PUBLIC NOTICE

The Iowa Department of Natural Resources (DNR) is proposing to renew the Title V Operating Permit for International Paper - Cedar River Mill. This facility is located at 4600 C Street SW, Cedar Rapids, IA 52404. DNR is currently reviewing an application for renewal submitted by International Paper to operate their existing paperboard mill.

International Paper is required to obtain a Title V Operating Permit pursuant to 567 Iowa Administrative Code (IAC) 22.101. This facility has the potential to emit the following air pollutants annually:

PM-2.5 (particulate matter 2.5 microns or less in diameter): 172.7 tons
PM-10 (particulate matter ten microns or less in diameter): 172.7 tons
Particulate Matter: 180.9 tons
Sulfur Dioxide: 9.5 tons
Nitrogen Oxides: 100.1 tons
Volatile Organic Compounds: 172.0 tons
Carbon Monoxide: 99.5 tons
Lead: 0.02 tons
Hazardous Air Pollutants: 102.2 tons

Based on the information provided in the Title V Operating Permit renewal application, the DNR has made an initial determination that the facility meets all the applicable criteria for the issuance of an operating permit specified in 567 IAC 22.107.

A copy of the Fact Sheet (which describes the facility and summarizes the permit review) and a copy of the draft Title V Operating Permit are available on the DNR's Air Quality Bureau's and the Linn County Public Health Department's Air Quality Division's website's at:

www.iowadnr.gov/titlev-draft

https://www.linncountyiowa.gov/1456/Public-Participation

For additional information or for a copy of the draft permit or fact sheet contact:

Jason Keener
Linn County Public Health
Air Quality Division
1020 6th Street SE
Cedar Rapids, IA 52401
Phone: (319) 892-6011
E-mail: Jason.Keener@linncountyiowa.gov

A complete record of the permit review, including the permit application and the proposed permit, is available for public inspection Monday-Friday, 8:00 a.m. - 4:30 p.m., at the following offices:

Iowa Department of Natural Resources
Air Quality Bureau
502 East 9th St.
Des Moines, Iowa 50319

Linn County Public Health
Air Quality Division
1020 6th Street SE
Cedar Rapids, IA 52401

The public comment period for the draft permit will run from May 7, 2026 through June 7, 2026. During the public comment period, anyone may submit written comments on the permit. Mail signed comments to Jason Keener at the Linn County Public Health address shown above. The beginning date of this public comment period also serves as the beginning of the U.S. Environmental Protection Agency's (EPA) 45-day review period, provided the EPA does not seek a separate review period.

Written requests for a public hearing concerning the permit may also be submitted during the comment period. Any hearing request must state the person's interest in the subject matter, and the nature of the issues proposed to be raised at the hearing. DNR will hold a public hearing upon finding, on the basis of requests, a significant degree of relevant public interest in a draft permit. Mail hearing requests to Jason Keener at the Linn County Public Health address shown above.

DNR and Linn County will keep a record of the issues raised during the public participation process, and will prepare written responses to all comments received. The comments and responses will be compiled into a responsiveness summary document. After the close of the public comment period, DNR will make a final decision on the renewal application. The responsiveness summary and the final permit will be available to the public upon request.

Individuals with disabilities or limited English proficiency are encouraged to participate in all DNR and Linn County activities, including submitting public comments. If a reasonable accommodation or language services are needed to participate, contact the Linn County staff member listed or Relay Iowa TTY Service at 800-735-7942 in advance to advise them of your specific needs. DNR's language access and disability nondiscrimination plans are available at https://www.iowadnr.gov/About-DNR/Environmental-Justice.

Iowa Department of Natural Resources
Title V Operating Permit

Name of Permitted Facility: International Paper Cedar River Mill
Facility Location: 4600 C Street SW
Cedar Rapids, IA 52404

Air Quality Operating Permit Number: 15-TV-005R2
Expiration Date:
Permit Renewal Application Deadline:

EIQ Number: 92-9025
Facility File Number: 57-01-153

Responsible Official

Name:	**Derek Depuydt**
Title:	**Mill Manager**
Mailing Address:	**4600 C Street SW, Cedar Rapids, IA 52404**
Phone #:	**(319) 775-6185**

Permit Contact Person for the Facility

Name:	**Sherry Biggart**
Title:	**EHS&S Manager**
Mailing Address:	**4600 C Street SW, Cedar Rapids, IA 52404**
Phone #:	**(319) 775-6127**

This permit is issued in accordance with 567 Iowa Administrative Code Chapter 24 and is issued subject to the terms and conditions contained in this permit.

For the Director of the Department of Natural Resources

Marnie Stein, Supervisor of Air Operating Permits Section Date

Table of Contents

Abbreviations

acfm	actual cubic feet per minute
ATI	authorization to install
BHP	brake horse power
bph	bushels per hour
bpy	bushels per year
Btu	British thermal units
CFR	Code of Federal Regulation
CI	compression ignition
CE	control equipment
CFH	cubic feet per hour
CFM	cubic feet per minute
°F	degrees Fahrenheit
DOC	diesel oxidation catalyst
dscfm	dry standard cubic feet per minute
EIQ	emissions inventory questionnaire
EP	emission point
EU	emission unit
GPH	gallons per hour
gpm	gallons per minute
gr./dscf	grains per dry standard cubic foot
H	horizontal
IAC	Iowa Administrative Code
IDNR	Iowa Department of Natural Resources
LCPH	Linn County Public Health
LCCO	Linn County Code of Ordinances
Mcf/hr	thousand cubic feet per hour
MMcf/hr	million cubic feet per hour
MVAC	motor vehicle air conditioner
NAICS	North American Industry Classification System
NSPS	new source performance standard
ppm_v	parts per million by volume
PTO	permit to operate
lb/hr	pounds per hour
lb/MMBtu	pounds per million British thermal units
SI	spark ignition
scfm	standard cubic feet per minute
SIC	standard Industrial Classification
SWT/hr	Standard weight per hour
tph	tons per hour
tpy	tons per year
USEPA	United States Environmental Protection Agency
V	vertical, unobstructed

Pollutants

PM	particulate matter
PM_{10}	particulate matter ten microns or less in diameter
$PM_{2.5}$	particulate matter two point five microns and less in diameter
SO_2	sulfur dioxide
NO_X	nitrogen oxides
VOC	volatile organic compound
CO	carbon monoxide
HAP	hazardous air pollutant
SHAP	single hazardous air pollutant
THAP	total hazardous air pollutant

I. Facility Description and Equipment List

Facility Name: International Paper Cedar River Mill
Permit Number: 57-01-153

Facility Description: Paperboard Mill

Table 1 – Paper Machine #1 Equipment List

Emission Point #	Emission Unit #	Emission Unit Description	DNR Permit #	LCPH Permit #
104	100Pulper	510-7375 Stock Prep Exhaust Fan	--	6627R1 / 7224
105-133	100	Paper Machine #1	--	See 105-133
105	100Fourdrinier	520-7350 Fourdrinier Exhaust Fan #1	--	6628 / 7139
106	100Fourdrinier	520-7418 Roof Exhaust Fan #11	--	7416 / 7140
107	100Fourdrinier	520-7417 Roof Exhaust Fan #10	--	6630 / 7141
108	100Fourdrinier	520-7375 Roof Exhaust Fan #1	--	6631 / 7142
109	100Fourdrinier	520-7380 Roof Exhaust Fan #2	--	6632 / 7143
110	100Fourdrinier	520-7355 Fourdrinier Exhaust Fan #2	--	6636 / 7144
111	100Press	520-7385 Roof Exhaust Fan #3	--	6637 / 7145
112	100Press	520-7390 Roof Exhaust Fan #4	--	6638 / 7146
113	100Press	520-7395 Roof Exhaust Fan #5	--	6639 / 7147
114	100Press	520-7416 Roof Exhaust Fan #9	--	6640 / 7148
115	100Press	520-7405 Roof Exhaust Fan #6	--	6641 / 7149
116	100Fourdrinier	520-7410 Roof Exhaust Fan #7	--	6642 / 7150
117	100Dryer	520-7195 1st Section Vacuum Roll Exhaust Fan	--	6643 / 7151
118	100Dryer	520-7010 Dryer Hood Exhaust #1	--	6644 / 7152
119	100Dryer	520-7200 3rd Section Vacuum Roll Exhaust Fan	--	6645 / 7153
120	100Dryer	520-7015 Dryer Hood Exhaust Fan #2	--	6646 / 7154
121	100Dryer	520-7202 4th Section Vacuum Roll Exhaust Fan	--	6647 / 7155
122	100Dryer	520-7035 Dryer Hood Exhaust Fan #4	--	6648 / 7156
123	100Dryer	520-7020 Dryer Hood Exhaust Fan #3	--	6649 / 7157
124	100Dryer	520-7205 5th Section Vacuum Roll Exhaust Fan	--	6650 / 7158
131	100VacuumTrench	Vacuum Trench Exhaust	--	6651 / 7159
132	100OCC	355-4015 Thickener Exhaust	--	7417 / 7160
133	100OCC	510-7370 Saveall Exhaust	--	7418 / 7161

Table 2 – Paper Machine #2 Equipment List

Emission Point #	Emission Unit #	Emission Unit Description	DNR Permit #	LCPH Permit #
204, 206, 208-228, 231-233, 248	200	Paper Machine #2	--	See 204, 206, 208-228, 231-233, 248
204	200OCC	356-2040 Thickener Exhaust Fan	--	6653 / 7162
206	200OCC	511-1940 Saveall Exhaust Fan	--	6654 / 7163
208	200Fourdrinier	521-12760 Fourdrinier Exhaust Fan	--	6655 / 7164
209	200Fourdrinier	521-12910 Roof Exhaust Fan #15	--	6656 / 7165
210	200Fourdinier	521-12820 Roof Exhaust Fan #5	--	6657 / 7166
211	200Fourdrinier	521-12920 Roof Exhaust Fan #17	--	6658 / 7167
212	200Fourdrinier	521-12915 Roof Exhaust Fan #16	--	6659 / 7168
213	200Fourdrinier	521-12830 Roof Exhaust Fan #6	--	6660 / 7169

Emission Point #	Emission Unit #	Emission Unit Description	DNR Permit #	LCPH Permit #
214	200Fourdrinier	521-12840 Roof Exhaust Fan #7	--	6662 / 7170
215	200Fourdrinier	521-12780 Bel-Liner Exhaust Fan	--	6663 / 7171
216	200Fourdrinier	521-12850 Roof Exhaust Fan #8	--	6664 / 7172
217	200Fourdinier	521-12860 Roof Exhaust Fan #9	--	6665 / 7173
218	200Press	521-12905 Roof Exhaust Fan #14	--	6666 / 7174
219	200Press	521-12870 Roof Exhaust Fan #10	--	6667 / 7175
220	200Press	521-12860 Roof Exhaust Fan #9	--	6668 / 7176
221	200Dryer	521-12800 Press Pulper Exhaust Fan	--	7419 / 7177
222	200Dryer	521-12710 1st Section Vacuum Roll Exhaust Fan	--	6670 / 7178
223	200Dryer	521-12340 1st Main Hood Exhaust Fan	--	6671 / 7179
224	200Dryer	521-12840 Main Hood Exhaust Fan #7	--	6672 / 7180
225	200Dryer	521-12350 Main Hood Exhaust Fan #2	--	6673 / 7181
226	200Dryer	521-12720 4th Section Vacuum Roll Exhaust Fan	--	6674 / 7182
227	200Dryer	521-12730 5th Section Vacuum Roll Exhaust Fan	--	6675 / 7183
228	200Dryer	521-12360 Main Hood Exhaust Fan #3	--	6676 / 7184
231	200Dryer8	521-12365 After Hood Exhaust Fan #4	--	6677 / 7185
232	200Dryer8	521-12369 After Hood Exhaust Fan #6	--	6678 / 7186
233	200Dryer8	521-12367 After Hood Exhaust Fan #5	--	6679 / 7187
248	200VacuumTrench	Vacuum Trench Exhaust	--	6687 / 7188
249	200Pulper	356-3267 #1 Pulper Roof Exhaust Fan	--	7424 / 7276
250	200Pulper	356-3268 #2 Pulper Roof Exhaust Fan	--	7425 / 7277
251	200Pulper	356-3269 White Top Pulper Roof Exhaust Fan	--	7426 / 7278

Table 3 – Power Boilers Equipment List

Emission Point #	Emission Unit #	Emission Unit Description	DNR Permit #	LCPH Permit #
408	PB1	Power Boiler 1	--	7712R1 / --
409	PB2	Power Boiler 2	--	7713R1 / --

Table 4 – Support Equipment List

Emission Point #	Emission Unit #	Emission Unit Description	DNR Permit #	LCPH Permit #
90	90	Engine for Gorman Rubb Sump Pump	--	CI-3
91	91	Fire Pump Engine	--	--
92	92	Engine for Sump Pump on PM2	--	CI-263
300	300	Cationic Starch Silo	--	6376 / 6128
301	301	Size Press Starch Silo	--	6377 / 6129
400	AMU7	AMU7 – Mill 2	--	6688 / 6979R1
401	401	Paper Machine #1 Mill Water Cooling Tower	--	6369 / 6130
402	402	Paper Machine #1 Vacuum Cooling Tower	--	6370 / 6131
403	403	Paper Machine #2 Mill Water Cooling Tower	--	6371 / 6132
404	404	No. 2 Paper Machine Vacuum Cooling Tower	--	8189 / 7700
405	356-350-3250	Pulper Building AMU1	--	7207 / 6977R1
406	356-350-3255	Pulper Building AMU2	--	7208 / 6978R1
407	AMU10	AMU10 – Mill 2	--	7209 / 6980R1
501A	501	Paper Machine #1 High Density Storage	--	6582 / 6407
501B	501	Paper Machine #1 High Density Storage	--	6583 / 6408
502	502	Paper Machine #2 – Bottom Sheet High Density Storage	--	6584 / 6409

Emission Point #	Emission Unit #	Emission Unit Description	DNR Permit #	LCPH Permit #
503	503	Paper Machine #2 – Top Sheet High Density Storage	--	6585 / 6410

Table 5 – Insignificant Activities Equipment List

Emission Point #	Emission Unit #	Emission Unit Description	LCPH Permit #
--	7910	#2 Machine Building South Crane Hatch	--
--	350-7011	OCC Bale Warehouse Air Make Unit #8	--
--	350-7012	Shipping Air Make Unit #10	--
--	350-349-8240	OCC Bale Warehouse Air Make Unit #1	--
--	350-349-8250	OCC Bale Warehouse Air Make Unit #2	--
--	350-349-8260	OCC Bale Warehouse Air Make Unit #3	--
--	350-448-7040	OCC Bale Warehouse Heater #1 Reznor	--
--	350-448-7050	OCC Bale Warehouse Unit Heater #2	--
--	350-448-7060	OCC Bale Warehouse Unit Heater #3	--
--	350-448-7080	OCC Bale Warehouse Unit Heater #5	--
--	350-448-7090	OCC Bale Warehouse Unit Heater #6	--
--	350-448-7095	OCC Bale Warehouse Unit Heater #7	--
--	350-448-7096	OCC Bale Warehouse Unit Heater #8	--
--	350-448-7100	OCC Bale Warehouse Door Heater #3	--
--	350-448-7110	OCC Bale Warehouse Door Heater #4	--
--	350-448-7120	OCC Bale Warehouse Door Heater #5	--
--	350-448-7130	OCC Bale Warehouse Door Heater #6	--
--	350-448-7140	OCC Bale Warehouse Door Heater #7	--
--	350-448-7150	OCC Bale Warehouse Door Heater #8	--
--	350-448-7160	OCC Bale Warehouse Door Heater #1	--
--	350-448-7170	OCC Bale Warehouse Door Heater #2	--
--	350-448-8330	OCC Bale Storage Unit Heater #1	--
--	350-448-8340	OCC Bale Storage Unit Heater #2	--
--	350-448-8350	OCC Bale Storage Unit Heater #3	--
--	350-448-8360	OCC Bale Storage Unit Heater #4	--
--	350-448-8370	OCC Bale Storage Unit Heater #5	--
--	350-448-8380	OCC Bale Storage Unit Heater #6	--
--	350-448-8390	OCC Bale Storage Unit Heater #7	--
--	350-448-8400	OCC Bale Storage Unit Heater #8	--
--	350-448-8410	OCC Bale Storage Unit Heater #9	--
--	350-448-8420	OCC Bale Storage Unit Heater #10	--
--	350-448-8430	OCC Bale Storage Unit Heater #11	--
--	350-448-8440	OCC Bale Storage Unit Heater #12	--
--	350-448-8450	OCC Bale Storage Unit Heater #13	--
--	350-448-8460	OCC Bale Storage Unit Heater #14	--
--	350-448-8470	OCC Bale Storage Unit Heater #15	--
--	350-448-8480	OCC Bale Storage Unit Heater #16	--
--	350-448-8490	OCC Bale Storage Unit Heater #17	--
--	350-448-8500	OCC Bale Storage Unit Heater #18	--
--	350-448-8510	OCC Bale Storage Unit Heater #19	--
--	350-448-8520	OCC Bale Storage Unit Heater #20	--
--	350-448-8530	OCC Bale Storage Unit Heater #21	--
--	350-448-8540	OCC Bale Storage Unit Heater #22	--
--	350-448-8570	OCC Bale Storage Door Heater #1 Reznor	--
--	350-448-8580	OCC Bale Storage Door Heater #2 Reznor	--
--	350-448-8590	OCC Bale Storage Door Heater #3 Reznor	--
--	350-448-8600	OCC Bale Storage Door Heater #4 Reznor	--
--	350-448-8601	OCC Bale Storage Door Heater #5 Reznor	--

Emission Point #	Emission Unit #	Emission Unit Description	LCPH Permit #
--	350-448-8602	OCC Bale Storage Door Heater #6 Reznor	--
--	350-7010	OCC #2 Air Make Unit #9	--
--	355-349-7120	Clarifier Building Air Make Unit ICE	--
--	355-448-7150	Clarifier Building Unit Heater #1	--
--	355-448-7160	Clarifier Building Unit Heater #2	--
--	355-448-7170	Clarifier Building Unit Heater #3	--
--	355-448-7180	Clarifier Building Unit Heater #4	--
--	356-3045	#2 PM OCC Air Make Up Unit #1 (labeled AMU2)	--
--	356-349-3040	#2 Machine Building Air Make Up Unit #1	--
--	356-448-3277	Pulper Building Door Heater #1	--
--	356-448-3278	Pulper Building Door Heater #2	--
--	356-448-3279	Pulper Building Door Heater #3	--
--	510-349-7384	Tank Farm Unit Heater #1 Lennox	--
--	510-349-7386	Tank Farm Unit Heater #2 Lennox	--
--	510-349-7388	Tank Farm Unit Heater #3 Lennox	--
--	510-349-7390	Tank Farm Unit Heater #4 Lennox	--
--	520-349-7420	#1 Machine Building Air Make Unit #2	--
--	520-349-7425	#1 Machine Building Air Make Unit #3	--
--	520-349-7430	#1 Machine Building Air Make Unit #4	--
--	520-349-7435	#1 Machine Building Air Make Unit #5	--
--	520-349-7440	#1 Machine Building Air Make Unit #6	--
--	520-349-7442	#1 Machine Building Air Make Unit #7	--
--	521-13006	#1 Machine Building 6K cfm DE Crane Hatch	--
--	521-13005	#1 Machine Building 6K cfm WE Crane Hatch	--
--	521-13004	#2 Machine Building North Crane Hatch	--
--	521-13003	Chemical Dock Heater	--
--	521-13002	Pulper Skywalk Heater	--
--	521-13001	Pulper Skywalk Heater	--
--	521-13000	#2 Machine Dry End Air Make Up Unit #9	--
--	521-349-12930	#2 Machine Building Air Make Up Unit #2	--
--	521-349-12940	#2 Machine Building Air Make Up Unit #3	--
--	521-349-12950	#2 Machine Building Air Make Up Unit #4	--
--	521-349-12960	#2 Machine Dry End Air Make Up Unit #5	--
--	521-349-12970	#2 Machine Dry End Air Make Up Unit #6	--
--	521-349-12990	#2 Machine Dry End Air Make Up Unit #8	--
--	521-448-1203	Roll Conveyor Gallery Unit Heater #1	--
--	521-448-1204	Roll Conveyor Gallery Unit Heater #2	--
--	521-448-1205	Roll Conveyor Gallery Unit Heater #3	--
--	521-448-1206	Lower Tower Unit Heater #1	--
--	521-448-5760	Cooling Tower Pump House Unit Heater #1	--
--	521-448-5770	Cooling Tower Pump House Unit Heater #2	--
--	540-448-1642	Starch Kitchen Unit Heater #1	--
--	540-448-1643	Starch Kitchen Unit Heater #2	--
--	540-448-1644	Starch Kitchen Unit Heater #3	--
--	540-448-1645	Starch Kitchen Unit Heater #4	--
--	551-349-2020	#2 Tank Farm Unit Heater #1	--
--	551-349-2030	#2 Tank Farm Unit Heater #2	--
--	551-349-2040	#2 Tank Farm Unit Heater #3	--
--	551-349-2050	#2 Tank Farm Unit Heater #4	--
--	560-349-7000	Finish Roll Warehouse Air Make Unit #1 ICE	--

Emission Point #	Emission Unit #	Emission Unit Description	LCPH Permit #
--	560-349-8240	Finish Roll Warehouse Air Make Unit #2 ICE	--
--	560-448-7050	Finish Roll Warehouse Unit Heater #1	--
--	560-448-7060	Finish Roll Warehouse Unit Heater #2	--
--	560-448-7070	Finish Roll Warehouse Unit Heater #3	--
--	560-448-7080	Finish Roll Warehouse Unit Heater #4	--
--	560-448-7090	Finish Roll Warehouse Unit Heater #5	--
--	560-448-7100	Finish Roll Warehouse Unit Heater #6	--
--	560-448-7110	Finish Roll Warehouse Unit Heater #7	--
--	560-448-7120	Finish Roll Warehouse Unit Heater #8	--
--	560-448-7130	Finish Roll Warehouse Door Heater #3	--
--	560-448-7140	Finish Roll Warehouse Door Heater #4	--
--	560-448-7160	Finish Roll Warehouse Door Heater #6	--
--	560-448-7180	Finish Roll Warehouse Door Heater #1	--
--	560-448-7190	Finish Roll Warehouse Door Heater #2	--
--	560-448-8270	Finish Roll Warehouse Unit Heater #9	--
--	560-448-8280	Finish Roll Warehouse Unit Heater #10	--
--	560-448-8290	Finish Roll Warehouse Unit Heater #12	--
--	560-448-8300	Finish Roll Warehouse Unit Heater #13	--
--	560-448-8310	Finish Roll Warehouse Unit Heater #14	--
--	560-448-8320	Finish Roll Warehouse Unit Heater #15	--
--	560-448-8330	Finish Roll Warehouse Unit Heater #16	--
--	560-448-8340	Finish Roll Warehouse Unit Heater #17	--
--	560-448-8470	Finish Roll Warehouse Door Heater #12	--
--	560-448-7150	Finish Roll Warehouse Door Heater #5	--
--	560-448-7170	Finish Roll Warehouse Door Heater #7	--
--	560-488-8350	Finish Roll Warehouse Door Heater #8	--
--	560-488-8360	Finish Roll Warehouse Door Heater #9	--
--	560-488-8370	Finish Roll Warehouse Door Heater #10	--
--	560-488-8380	Finish Roll Warehouse Door Heater #11	--
--	810-349-7540	Maintenance Shop Unit Heater #1	--
--	810-349-7550	Maintenance Shop Unit Heater #2	--
--	810-349-7560	Electrical Maintenance Shop Unit Heater #3	--
--	810-349-7660	Main Receiving Stores Unit Heater #2	--
--	810-349-7670	Main Receiving Stores Unit Heater #1	--
--	810-349-7820	Rebuild Shop Unit Heater #1	--
--	810-349-7840	Weld Area Unit Heater #1	--
--	810-349-7850	Door Unit Maintenance Door Unit Heater #2	--
--	PM 2 RM #2	#2 PM Raw Material North AMU	--
--	PM 2 LEN	P.M. Department Lennox Furnace (horiz)	--
--	PM1 WD	West Dock Heater	--
--	PM1 BH	Bumpout Heater	--
--	PM2 FRH	Fire Riser Heater	--
--	13007	Door Unit Maintenance 2nd Floor WH 100 Gal	--
--	13008	Fork Lift Repair Storage	--
--	13009	Fork Life Repair Storage	--
--	13010	North Warehouse Air Turnover Unit	--
--	13011	Overhead Walkway Roof Top Unit #1	--
--	13012	Overhead Walkway Roof Top Unit #2	--
--	13013	Overhead Walkway Roof Top Unit #3	--
--	13014	Overhead Walkway Roof Top Unit #4	--

Emission Point #	Emission Unit #	Emission Unit Description	LCPH Permit #
--	13015	#2 Machine Clarifier	--
--	13016	Effluent Clarifier	--
--	13017	Small #1 Effluent Clarifier	--
--	13018	Small #2 Effluent Clarifier	--
--	521-760-1415	Busperse 2138 Storage	--
--	511-760-1840	Maximyze 3504 Storage	--
--	510-760-5610	Optimyze 742 Storage	--

Table 6 – Fugitive Insignificant Activities List

Emission Unit #	Emission Unit Description

II. Plant-Wide Conditions

Facility Name: International Paper Cedar River Mill
Permit Number: 07-TV-005R2

Permit conditions are established in accordance with 567 Iowa Administrative Code (IAC) rule 24.108.

Permit Duration

The term of this permit is: less than 5 years
Commencing on:
Ending on:

Amendments, modifications and reopenings of this permit shall be obtained in accordance with 567 IAC rules 24.110 – 24.114. Permits may be suspended, terminated, or revoked as specified in 567 IAC rules 24.115.

Emission Limits

Unless specified otherwise in the Source Specific Conditions, the following limitations and supporting regulations apply to all emission points at this plant.

Opacity (visible emissions): 40% opacity
Authority for Requirement: 567 IAC 23.3(2)"d"

Opacity (visible emissions): 20% opacity
Authority for Requirement: LCCO Sec. 10-60(a)

Sulfur Dioxide (SO2): 500 parts per million by volume (ppmv)
Authority for Requirement: 567 IAC 23.3(3)"e"
LCCO Sec. 10-65(a)(2)

Particulate Matter:
No person shall cause or allow the emission of particulate matter from any source in excess of the emission standards specified in this chapter, except as provided in 567 – Chapter 24. For sources constructed, modified or reconstructed on or after July 21, 1999, the emission of particulate matter from any process shall not exceed an emission standard of 0.1 grain per dry standard cubic foot (dscf) of exhaust gas, except as provided in 567—21.2(455B), 567—23.1(455B), 567—23.4(455B) and 567—Chapter 24.

For sources constructed, modified or reconstructed prior to July 21, 1999, the emission of particulate matter from any process shall not exceed the amount determined from Table I, or amount specified in a permit if based on an emission standard of 0.1 grain per standard cubic foot of exhaust gas, or established from standards provided in 567—23.1(455B) and 567—23.4(455B).

Authority for Requirement: 567 IAC 23.3(2)"a"

Particulate Matter:
No person shall permit, cause, suffer or allow the emission of particulate matter into the atmosphere in any one hour from any emission point from any process equipment at a rate in excess of that specified in Table 10-62-1 for the process weight rate allocated to such emission point. In any case, the emission of particulate matter from any process shall not exceed an emission standard of 0.1 grain per dry standard

cubic foot of exhaust gas or Table 10-62-1 of [LCCO Sec. 10-62(a)], whichever would result in the lowest allowable emission rate.

Authority for Requirement: LCCO Sec. 10-62(a)

Fugitive Dust:
Attainment and Unclassified Areas - A person shall take reasonable precautions to prevent particulate matter from becoming airborne in quantities sufficient to cause a nuisance as defined in Iowa Code section 657.1 when the person allows, causes or permits any materials to be handled, transported or stored or a building, its appurtenances or a construction haul road to be used, constructed, altered, repaired or demolished, with the exception of farming operations or dust generated by ordinary travel on unpaved roads. Ordinary travel includes routine traffic and road maintenance activities such as scarifying, compacting, transporting road maintenance surfacing material, and scraping of the unpaved public road surface. (The preceding sentence is State only.) All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate. The public highway authority shall be responsible for taking corrective action in those cases where said authority has received complaints of or has actual knowledge of dust conditions which require abatement pursuant to this subrule. Reasonable precautions may include, but not be limited to, the following procedures.

1. Use, where practical, of water or chemicals for control of dusts in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land.
2. Application of suitable materials, such as but not limited to asphalt, oil, water or chemicals on unpaved roads, material stockpiles, race tracks and other surfaces which can give rise to airborne dusts.
3. Installation and use of containment or control equipment, to enclose or otherwise limit the emissions resulting from the handling and transfer of dusty materials, such as but not limited to grain, fertilizer or limestone.
4. Covering, at all times when in motion, open-bodied vehicles transporting materials likely to give rise to airborne dusts.
5. Prompt removal of earth or other material from paved streets or to which earth or other material has been transported by trucking or earth-moving equipment, erosion by water or other means.
6. Reducing the speed of vehicles traveling over on-property surfaces as necessary to minimize the generation of airborne dusts.

Authority for Requirement: 567 IAC 23.3(2)"c"

Regulatory Authority
This facility is located in Linn County, Iowa. Linn County Public Health, under agreement with the Iowa Department of Natural Resources (IDNR), is the primary regulatory agency in Linn County. This Title V permit is issued by the Iowa Department of Natural Resources, however, required contacts and information submittals referred to in this permit as required by "the Department" should continue to be directed to the Linn County Public Health office. This will include such items as stack test notification, stack test results submittal, oral and written excess emission reports, and reports and records required in the Linn County construction permits. Information specifically required by the Title V permit such as the annual EIQ and fees, annual compliance certification, semi-annual monitoring report and any Title V forms submitted for updates, modifications, renewals, etc. must be submitted to the Iowa DNR. Stack test notifications and test results for tests required as periodic monitoring in the Title V permit shall be

submitted to Linn County Public Health. Stack test protocols and test results conducted as required by a PSD permit shall be submitted to the IDNR and Linn County Public Health Air Quality Division.

Authority for Requirement: 567 IAC 24.108

III. Emission Point-Specific Conditions

Facility Name: International Paper Cedar River Mill
Permit Number: 07-A-005R2

Paper Machine #1

Emission Point ID Number: 104

Table 7. Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
104	100Pulper	510-7375 Stock Prep Exhaust Fan	Paper	1,845 SWT/day	--	--

Applicable Requirements

The emissions from this emission point shall not exceed the levels specified below.

Table 8. Emission Limits

EP	Pollutant	Emission Limit(s)	Reference/Basis	Authority for Requirement
104	Opacity	40%[1,2]	567 IAC 23.3(2)"d"	LCPH ATI 6627R1 / PTO 7224
		20%[1,2]	LCCO Sec. 10-60(a)	
	PM	0.1 gr/dscf	567 IAC 23.3(2)"a" LCCO Sec. 10-62(a)(1)	
		0.24 lb/hr	Requested limit	
	PM_{10}	0.21 lb/hr	Requested limit	

[1] The emission limit is a six (6) minute average.
[2] The observation of **visible emissions** of air contaminants as defined in LCCO Sec. 10-55 will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the visible emissions. If visible emissions continue after the corrections, Linn County may require additional proof to demonstrate compliance (e.g., stack testing).

Operating Limits and Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Requirements and Associated Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Department. Records shall be legible and maintained in an orderly manner. The operating requirements and associated recordkeeping for this permit shall be:

A. Conduct a monthly visual observation of exhausts to determine if visual emissions (VE) remain after steam and water vapor has dissipated. Promptly investigate and take corrective actions any time that visible emissions are detected that differ from normal exhaust conditions. Maintain records documenting that each monthly observation was conducted, specifically noting the

presence or absence of visible emissions, whether follow-up actions were triggered and corrective actions taken to address visible emissions, if applicable, and that the visible emissions have returned to normal conditions. If visible emissions continue to persist after corrective actions have been taken, Linn County Air Quality Division may require additional proof to demonstrate compliance with emission limits.

Authority for Requirement: LCPH ATI 6627R1 / PTO 7224

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Table 9. Stack Characteristics

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (scfm)	Authority for Requirement
104	82.5	V	60	68	45,000	LCPH ATI 6672R1 / PTO 7224

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Opacity Monitoring

This emission point is subject to the opacity monitoring requirements in Appendix C of this permit.

Authority for Requirement: 567 IAC 24.108(3)

Agency Approved Operations & Maintenance Plan Required? **Yes ☐** **No ☒**

Facility Maintained Operation & Maintenance Plan Required? **Yes ☐** **No ☒**

Compliance Assurance Monitoring (CAM) Plan Required? **Yes ☐** **No ☒**

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Numbers: 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120 ,121, 122, 123, 124, 131, 132, 133

Table 10. Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Desc.
All	100	Paper Machine #1	Paper	1,808 SWT/day	--	--
105	100Fourdrinier	520-7350 Fourdrinier Exhaust Fan #1	Paper	1,808 SWT/day	--	--
106		520-7418 Roof Exhaust Fan #11			--	--
107		520-7417 Roof Exhaust Fan #10			--	--
108		520-7375 Roof Exhaust Fan #1			--	--
109		520-7380 Roof Exhaust Fan #2			--	--
110		520-7355 Fourdrinier Exhaust Fan #2			--	--
116		520-7410 Roof Exhaust Fan #7			--	--
111	100Press	520-7385 Roof Exhaust Fan #3	Paper	1,808 SWT/day	--	--
112		520-7390 Roof Exhaust Fan #4			--	--
113		520-7395 Roof Exhaust Fan #5			--	--
114		520-7416 Roof Exhaust Fan #9			--	--
115		520-7405 Roof Exhaust Fan #6			--	--
117	100Dryer	520-7195 1st Section Vacuum Roll Exhaust Fan	Paper	1,808 SWT/day	--	--
118		520-7010 Dryer Hood Exhaust #1			--	--
119		520-7200 3rd Section Vacuum Roll Exhaust Fan			--	--
120		520-7015 Dryer Hood Exhaust #2			--	--
121		520-7202 4th Section Vacuum Roll Exhaust Fan			--	--
122		520-7035 Dryer Hood Exhaust #4			--	--
123		520-7020 Dryer Hood Exhaust #3			--	--
124		520-7205 5th Section Vacuum Roll Exhaust Fan			--	--
131	100Vacuum Trench	Vacuum Trench Exhaust	Paper	1,808 SWT/day	--	--
132	100OCC	355-4015 Thickener Exhaust	Paper	1,808 SWT/day	--	--
133		510-7370 Saveall Exhaust			--	--

Applicable Requirements

The emissions from each emission point shall not exceed the levels specified below.

Table 11. General Emission Limits

EP	Pollutant	Emission Limit(s)	Reference/Basis	Authority for Requirement
All	Opacity	40%[1,2]	567 IAC 23.3(2)"d"	See below
		20%[1,2]	LCCO Sec. 10-60(a)(1)	
	PM	0.1 gr/dscf	567 IAC 23.3(2)"a" LCCO Sec. 10-62(a)	

[1] This emission limit is based on a six (6) minute average.
[2] The observation of **visible emissions** of air contaminants as defined in LCCO Sec. 10-55 will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the visible emissions. If visible emissions continue after the corrections, Linn County may require additional proof to demonstrate compliance (e.g., stack testing).

Authority for Requirement: LCPH ATI 6628 / PTO 7139, LCPH ATI 7416 / PTO 7140
LCPH ATI 6630 / PTO 7141, LCPH ATI 6631 / PTO 7142
LCPH ATI 6632 / PTO 7143, LCPH ATI 6636 / PTO 7144
LCPH ATI 6637 / PTO 7145, LCPH ATI 6638 / PTO 7146
LCPH ATI 6639 / PTO 7147, LCPH ATI 6640 / PTO 7148
LCPH ATI 6641 / PTO 7149, LCPH ATI 6642 / PTO 7750
LCPH ATI 6643 / PTO 7151, LCPH ATI 6644 / PTO 7152
LCPH ATI 6645 / PTO 7153, LCPH ATI 6646 / PTO 7154
LCPH ATI 6647 / PTO 7155, LCPH ATI 6648 / PTO 7156
LCPH ATI 6649 / PTO 7157, LCPH ATI 6650 / PTO 7158
LCPH ATI 6651 / PTO 7159, LCPH ATI 7417 / PTO 7160
LCPH ATI 7418 / PTO 7161

Table 12. Emission Point Specific Emission Limits

EP	Pollutant	Emission Limit(s)	Reference/Basis	Authority for Requirement
105	PM	0.20 lb/hr	Requested limit	LCPH ATI 6628 / PTO 7139
	PM_{10}	0.20 lb/hr	Requested limit	
106	PM	0.32 lb/hr	Requested limit	LCPH ATI 7416 / PTO 7140
	PM_{10}	0.27 lb/hr	Requested limit	
107	PM	0.32 lb/hr	Requested limit	LCPH ATI 6630 / PTO 7141
	PM_{10}	0.27 lb/hr	Requested limit	
108	PM	0.32 lb/hr	Requested limit	LCPH ATI 6631 / PTO 7142
	PM_{10}	0.27 lb/hr	Requested limit	
109	PM	0.32 lb/hr	Requested limit	LCPH ATI 6632 / PTO 7143
	PM_{10}	0.27 lb/hr	Requested limit	
110	PM	0.28 lb/hr	Requested limit	LCPH ATI 6636 / PTO 7144
	PM_{10}	0.28 lb/hr	Requested limit	
111	PM	0.32 lb/hr	Requested limit	LCPH ATI 6637 / PTO 7145
	PM_{10}	0.27 lb/hr	Requested limit	
112	PM	0.27 lb/hr	Requested limit	LCPH ATI 6638 / PTO 7146
	PM_{10}	0.23 lb/hr	Requested limit	
113	PM	0.27 lb/hr	Requested limit	LCPH ATI 6639 / PTO 7147
	PM_{10}	0.23 lb/hr	Requested limit	
114	PM	0.27 lb/hr	Requested limit	LCPH ATI 6640 / PTO 7148
	PM_{10}	0.23 lb/hr	Requested limit	
115	PM	0.27 lb/hr	Requested limit	LCPH ATI 6641 / PTO 7149
	PM_{10}	0.23 lb/hr	Requested limit	
116	PM	0.27 lb/hr	Requested limit	LCPH ATI 6642 / PTO 7150
	PM_{10}	0.23 lb/hr	Requested limit	
117	PM	0.13 lb/hr	Requested limit	LCPH ATI 6643 / PTO 7151
	PM_{10}	0.10 lb/hr	Requested limit	
118	PM	0.32 lb/hr	Requested limit	LCPH ATI 6644 / PTO 7152
	PM_{10}	0.25 lb/hr	Requested limit	

119	PM	0.13 lb/hr	Requested limit	LCPH ATI 6645 / PTO 7153
	PM_{10}	0.10 lb/hr	Requested limit	
120	PM	0.38 lb/hr	Requested limit	LCPH ATI 6646 / PTO 7154
	PM_{10}	0.29 lb/hr	Requested limit	
121	PM	0.53 lb/hr	Requested limit	LCPH ATI 6647 / PTO 7155
	PM_{10}	0.52 lb/hr	Requested limit	
122	PM	0.30 lb/hr	Requested limit	LCPH ATI 6648 / PTO 7156
	PM_{10}	0.37 lb/hr	Requested limit	
123	PM	0.53 lb/hr	Requested limit	LCPH ATI 6649 / PTO 7157
	PM_{10}	0.52 lb/hr	Requested limit	
124	PM	0.30 lb/hr	Requested limit	LCPH ATI 6650 / PTO 7158
	PM_{10}	0.29 lb/hr	Requested limit	
131	PM	0.78 lb/hr	Requested limit	LCPH ATI 6651 / PTO 7159
	PM_{10}	0.78 lb/hr	Requested limit	
132	PM	0.01 lb/hr	Requested limit	LCPH ATI 7417 / PTO 7160
	PM_{10}	0.01 lb/hr	Requested limit	
133	PM	0.01 lb/hr	Requested limit	LCPH ATI 7418 / PTO 7161
	PM_{10}	0.01 lb/hr	Requested limit	

Operating Limits and Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Requirements and Associated Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Department. Records shall be legible and maintained in an orderly manner. The operating requirements and associated recordkeeping for this permit shall be:

A. Conduct a monthly visual observation of exhausts to determine if visible emissions (VE) remain after steam and water vapor have dissipated. Promptly investigate and take corrective actions any time that visible emissions are detected that differ from normal exhaust conditions. Maintain records documenting that each monthly observation was conducted, specifically noting the presence or absence of visible emissions, whether follow-up actions were triggered and corrective actions taken to address visible emissions, if applicable, and that the visible emissions have returned to normal conditions. If visible emissions continue to persist after corrective actions have been taken, Linn County Air Quality Division may require additional proof to demonstrate compliance with emission limits.

Authority for Requirement: LCPH ATI 6628 / PTO 7139, LCPH ATI 7416 / PTO 7140
LCPH ATI 6630 / PTO 7141, LCPH ATI 6631 / PTO 7142
LCPH ATI 6632 / PTO 7143, LCPH ATI 6636 / PTO 7144
LCPH ATI 6637 / PTO 7145, LCPH ATI 6638 / PTO 7146
LCPH ATI 6639 / PTO 7147, LCPH ATI 6640 / PTO 7148
LCPH ATI 6641 / PTO 7149, LCPH ATI 6642 / PTO 7750
LCPH ATI 6643 / PTO 7151, LCPH ATI 6644 / PTO 7152
LCPH ATI 6645 / PTO 7153, LCPH ATI 6646 / PTO 7154
LCPH ATI 6647 / PTO 7155, LCPH ATI 6648 / PTO 7156
LCPH ATI 6649 / PTO 7157, LCPH ATI 6650 / PTO 7158

LCPH ATI 6651 / PTO 7159, LCPH ATI 7417 / PTO 7160
LCPH ATI 7418 / PTO 7161

Emission Point Characteristics

The emission points shall conform to the specifications listed below.

Table 13. Stack Characteristics

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
105	85	V	60	103	45,000	LCPH ATI 6628 / PTO 7139
106	85	V	60	68	60,000	LCPH ATI 7416 / PTO 7140
107	85	V	60	68	60,000	LCPH ATI 6630 / PTO 7141
108	85	V	60	68	60,000	LCPH ATI 6631 / PTO 7142
109	85	V	60	68	60,000	LCPH ATI 6632 / PTO 7143
110	82	V	60	120	60,000	LCPH ATI 6636 / PTO 7144
111	85	V	60	68	60,000	LCPH ATI 6637 / PTO 7145
112	83	V	60	95	60,000	LCPH ATI 6638 / PTO 7146
113	83	V	60	95	60,000	LCPH ATI 6639 / PTO 7147
114	85	V	60	95	60,000	LCPH ATI 6640 / PTO 7148
115	83	V	60	95	60,000	LCPH ATI 6641 / PTO 7149
116	83	V	60	95	60,000	LCPH ATI 6642 / PTO 7150
117	82.5	V	36	170	24,000	LCPH ATI 6643 / PTO 7151
118	82.5	V	60	190	60,000	LCPH ATI 6644 / PTO 7152
119	82.5	V	36	190	24,600	LCPH ATI 6645 / PTO 7153
120	85	V	60	90	60,000	LCPH ATI 6646 / PTO 7154
121	82.5	V	60	150	60,000	LCPH ATI 6647 / PTO 7155
122	82.5	V	42	130	42,600	LCPH ATI 6648 / PTO 7156
123	82.5	V	60	130	60,000	LCPH ATI 6649 / PTO 7157
124	82.5	V	36	180	30,400	LCPH ATI 6650 / PTO 7158
131	85	V	72	122	145,954	LCPH ATI 6651 / PTO 7159
132	82	V	18	140	2,900	LCPH ATI 7417 / PTO 7160
133	82	V	18	140	2,900	LCPH ATI 7148 / PTO 7161

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Opacity Monitoring

These emission points are subject to the opacity monitoring requirements in Appendix C of this permit.

Authority for Requirement: 567 IAC 24.108(3)

Agency Approved Operations & Maintenance Plan Required?	**Yes ☐**	**No ☒**
Facility Maintained Operation & Maintenance Plan Required?	**Yes ☐**	**No ☒**
Compliance Assurance Monitoring (CAM) Plan Required?	**Yes ☐**	**No ☒**

Authority for Requirement: 567 IAC 24.108(3)

Paper Machine #2

Emission Point ID Numbers: 204, 206, 208, 209, 210, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 231, 232, 233, 248

Table 14. Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Desc.
All	200	Paper Machine #2	Paper	2,255 SWT/day	--	--
204	200OCC	356-2040 Thickener Exhaust Fan	Paper	2,255 SWT/day	--	--
206		511-1940 Saveall Exhaust Fan			--	--
208	200Fourdrinier	521-12760 Fourdrinier Exhaust Fan	Paper	2,255 SWT/day	--	--
209		521-12910 Roof Exhaust Fan #15			--	--
210		521-12820 Roof Exhaust Fan #5			--	--
211		521-12920 Roof Exhaust Fan #17			--	--
212		521-12915 Roof Exhaust Fan #16			--	--
213		521-12830 Roof Exhaust Fan #6			--	--
214		521-12840 Roof Exhaust Fan #7			--	--
215		521-12780 Bel-Liner Exhaust Fan			--	--
216		521-12850 Roof Exhaust Fan #8			--	--
217		521-12860 Roof Exhaust Fan #9			--	--
218	200Press	521-12905 Roof Exhaust Fan #14	Paper	2,255 SWT/day	--	--
219		521-12870 Roof Exhaust Fan #10			--	--
220		521-12880 Roof Exhaust Fan #11			--	--
221	200Dryer	521-12800 Press Pulper Exhaust Fan	Paper	2,255 SWT/day	--	--
222		521-12710 1st Section Vacuum Roll Exhaust Fan			--	--
223		521-12340 #1 Main Hood Exhaust Fan			--	--
224		521-12840 Main Hood Exhaust Fan #7			--	--
225		521-12350 Main Hood Exhaust Fan #2			--	--
226		521-12720 4th Section Vacuum Roll Exhaust Fan			--	--
227		521-12730 5th Section Vacuum Roll Exhaust Fan			--	--
228		521-12360 Main Hood Exhaust Fan #3			--	--
231	200Dryer8	521-12365 After Hood Exhaust Fan #4	Paper	2,255 SWT/day	--	--
232		521-12369 After Hood Exhaust Fan #6			--	--
233		521-12367 After Hood Exhaust Fan #5			--	--
248	200Vacuum Trench	Vacuum Trench Exhaust	Paper	2,255 SWT/day	--	--

Applicable Requirements

The emissions from each emission point shall not exceed the levels specified below.

Table 15. General Emission Limits

EP	Pollutant	Emission Limit(s)	Reference/Basis	Authority for Requirement
All	Opacity	40%[1,2]	567 IAC 23.3(2)"d"	See below
		20%[1,2]	LCCO Sec. 10-60(a)(1)	
	PM	0.1 gr/dscf	567 IAC 23.3(2)"a" LCCO Sec. 10-62(a)	

[1] The emission limit is based on a six (6) minute average.

[2] The observation of **visible emissions** of air contaminants as defined in LCCO Sec. 10-55 will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the visible emissions. If visible emissions continue after the corrections, Linn County may require additional proof to demonstrate compliance (e.g., stack testing).

Authority for Requirement: LCPH ATI 6653 / PTO 7162, LCPH ATI 6654 / PTO 7163
LCPH ATI 6655 / PTO 7164, LCPH ATI 6656 / PTO 7165
LCPH ATI 6657 / PTO 7166, LCPH ATI 6658 / PTO 7167
LCPH ATI 6659 / PTO 7168, LCPH ATI 6660 / PTO 7169
LCPH ATI 6662 / PTO 7170, LCPH ATI 6663 / PTO 7171
LCPH ATI 6664 / PTO 7171, LCPH ATI 6665 / PTO 7173
LCPH ATI 6666 / PTO 7174, LCPH ATI 6667 / PTO 7175
LCPH ATI 6668 / PTO 7176, LCPH ATI 7419 / PTO 7177
LCPH ATI 6670 / PTO 7178, LCPH ATI 6671 / PTO 7179
LCPH ATI 6672 / PTO 7180, LCPH ATI 6673 / PTO 7181
LCPH ATI 6674 / PTO 7182, LCPH ATI 6675 / PTO 7183
LCPH ATI 6676 / PTO 7184, LCPH ATI 6677 / PTO 7185
LCPH ATI 6678 / PTO 7186, LCPH ATI 6679 / PTO 7187
LCPH ATI 6687 / PTO 7188

Table 16. Emission Point Specific Emission Limits

EP	Pollutant	Emission Limit(s)	Reference/Basis	Authority for Requirement
204	PM	0.02 lb/hr	Requested limit	LCPH ATI 6653 / PTO 7162
	PM_{10}	0.01 lb/hr	Requested limit	
206	PM	0.02 lb/hr	Requested limit	LCPH ATI 6654 / PTO 7163
	PM_{10}	0.01 lb/hr	Requested limit	
208	PM	0.33 lb/hr	Requested limit	LCPH ATI 6655 / PTO 7164
	PM_{10}	0.33 lb/hr	Requested limit	
209	PM	0.32 lb/hr	Requested limit	LCPH ATI 6656 / PTO 7165
	PM_{10}	0.27 lb/hr	Requested limit	
210	PM	0.32 lb/hr	Requested limit	LCPH ATI 6657 / PTO 7166
	PM_{10}	0.27 lb/hr	Requested limit	
211	PM	0.32 lb/hr	Requested limit	LCPH ATI 6658 / PTO 7167
	PM_{10}	0.27 lb/hr	Requested limit	
212	PM	0.32 lb/hr	Requested limit	LCPH ATI 6659 / PTO 7168
	PM_{10}	0.27 lb/hr	Requested limit	
213	PM	0.32 lb/hr	Requested limit	LCPH ATI 6660 / PTO 7169
	PM_{10}	0.27 lb/hr	Requested limit	
214	PM	0.26 lb/hr	Requested limit	LCPH ATI 6662 / PTO 7170

EP	Pollutant	Emission Limit(s)	Reference/Basis	Authority for Requirement
214	PM_{10}	0.22 lb/hr	Requested limit	LCPH ATI 6662 / PTO 7170
215	PM	0.13 lb/hr	Requested limit	LCPH ATI 6663 / PTO 7171
	PM_{10}	0.11 lb/hr	Requested limit	
216	PM	0.30 lb/hr	Requested limit	LCPH ATI 6664 / PTO 7172
	PM_{10}	0.30 lb/hr	Requested limit	
217	PM	0.27 lb/hr	Requested limit	LCPH ATI 6665 / PTO 7173
	PM_{10}	0.23 lb/hr	Requested limit	
218	PM	0.27 lb/hr	Requested limit	LCPH ATI 6666 / PTO 7174
	PM_{10}	0.23 lb/hr	Requested limit	
219	PM	0.27 lb/hr	Requested limit	LCPH ATI 6667 / PTO 7175
	PM_{10}	0.23 lb/hr	Requested limit	
220	PM	0.26 lb/hr	Requested limit	LCPH ATI 6668 / PTO 7176
	PM_{10}	0.22 lb/hr	Requested limit	
221	PM	0.08 lb/hr	Requested limit	LCPH ATI 6669 / PTO 7177
	PM_{10}	0.07 lb/hr	Requested limit	
222	PM	0.14 lb/hr	Requested limit	LCPH ATI 6670 / PTO 7178
	PM_{10}	0.10 lb/hr	Requested limit	
223	PM	0.35 lb/hr	Requested limit	LCPH ATI 6671 / PTO 7179
	PM_{10}	0.27 lb/hr	Requested limit	
224	PM	0.36 lb/hr	Requested limit	LCPH ATI 6672 / PTO 7180
	PM_{10}	0.28 lb/hr	Requested limit	
225	PM	0.36 lb/hr	Requested limit	LCPH ATI 6673 / PTO 7181
	PM_{10}	0.28 lb/hr	Requested limit	
226	PM	0.25 lb/hr	Requested limit	LCPH ATI 6674 / PTO 7182
	PM_{10}	0.20 lb/hr	Requested limit	
227	PM	0.33 lb/hr	Requested limit	LCPH ATI 6675 / PTO 7183
	PM_{10}	0.32 lb/hr	Requested limit	
228	PM	0.56 lb/hr	Requested limit	LCPH ATI 6676 / PTO 7184
	PM_{10}	0.55 lb/hr	Requested limit	
231	PM	0.48 lb/hr	Requested limit	LCPH ATI 6677 / PTO 7185
	PM_{10}	0.47 lb/hr	Requested limit	
232	PM	0.61 lb/hr	Requested limit	LCPH ATI 6678 / PTO 7186
	PM_{10}	0.58 lb/hr	Requested limit	
233	PM	0.48 lb/hr	Requested limit	LCPH ATI 6679 / PTO 7187
	PM_{10}	0.47 lb/hr	Requested limit	
248	PM	0.73 lb/hr	Requested limit	LCPH ATI 6687 / PTO 7188
	PM_{10}	0.73 lb/hr	Requested limit	

Operating Limits and Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Requirements and Associated Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Department. Records shall be legible and maintained in an orderly manner. The operating requirements and associated recordkeeping for this permit shall be:

A. Conduct a monthly visual observation of exhausts from each of the emission points listed in this Collection of Air Permits to determine if visible emissions (VE) remain after steam and water vapor has dissipated. Promptly investigate and take corrective actions any time that visible emissions are detected that differ from normal exhaust conditions. Maintain records documenting each monthly observation was conducted, specifically noting the presence or absence of visible emissions, whether follow-up actions were triggered, and corrective actions taken to address visible emissions, if applicable, and that the visible emissions have returned to normal conditions. If visible emissions continue to persist after corrective actions have been taken, Linn County Air Quality Division may require additional proof to demonstrate compliance with the emission limits.

Authority for Requirement: LCPH ATI 6653 / PTO 7162, LCPH ATI 6654 / PTO 7163
LCPH ATI 6655 / PTO 7164, LCPH ATI 6656 / PTO 7165
LCPH ATI 6657 / PTO 7166, LCPH ATI 6658 / PTO 7167
LCPH ATI 6659 / PTO 7168, LCPH ATI 6660 / PTO 7169
LCPH ATI 6662 / PTO 7170, LCPH ATI 6663 / PTO 7171
LCPH ATI 6664 / PTO 7171, LCPH ATI 6665 / PTO 7173
LCPH ATI 6666 / PTO 7174, LCPH ATI 6667 / PTO 7175
LCPH ATI 6668 / PTO 7176, LCPH ATI 7419 / PTO 7177
LCPH ATI 6670 / PTO 7178, LCPH ATI 6671 / PTO 7179
LCPH ATI 6672 / PTO 7180, LCPH ATI 6673 / PTO 7181
LCPH ATI 6674 / PTO 7182, LCPH ATI 6675 / PTO 7183
LCPH ATI 6676 / PTO 7184, LCPH ATI 6677 / PTO 7185
LCPH ATI 6678 / PTO 7186, LCPH ATI 6679 / PTO 7187
LCPH ATI 6687 / PTO 7188

Emission Point Characteristics

The emission points shall conform to the specifications listed below.

Table 17. Stack Characteristics

SEP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
204	82	V	18	130	3,500	LCPH ATI 6653 / PTO 7162
206	82	V	18	140	3,500	LCPH ATI 6654 / PTO 7163
208	82	V	54	110	75,000	LCPH ATI 6655 / PTO 7164
209	85	V	60	58	60,000	LCPH ATI 6656 / PTO 7165
210	84	V	60	58	60,000	LCPH ATI 6657 / PTO 7166
211	85	V	60	58	60,000	LCPH ATI 6658 / PTO 7167
212	85	V	60	58	60,000	LCPH ATI 6659 / PTO 7168
213	84	V	60	58	60,000	LCPH ATI 6660 / PTO 7169
214	84	V	60	110	60,000	LCPH ATI 6662 / PTO 7170
215	82	V	36	130	32,000	LCPH ATI 6663 / PTO 7171
216	84	V	60	95	60,000	LCPH ATI 6664 / PTO 7172
217	84	V	60	95	60,000	LCPH ATI 6665 / PTO 7173
218	85	V	60	95	60,000	LCPH ATI 6666 / PTO 7174
219	84	V	60	95	60,000	LCPH ATI 6667 / PTO 7175
220	84	V	60	110	60,000	LCPH ATI 6668 / PTO 7176
221	82.5	V	60	51	45,000	LCPH ATI 7419 / PTO 7177

SEP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
222	82	V	36	160	24,300	LCPH ATI 6670 / PTO 7178
223	82	V	54	230	68,700	LCPH ATI 6671 / PTO 7179
224	85	V	60	120	60,000	LCPH ATI 6672 / PTO 7180
225	82	V	54	200	68,700	LCPH ATI 6673 / PTO 7181
226	82	V	48	120	42,500	LCPH ATI 6674 / PTO 7182
227	82	V	48	120	36,500	LCPH ATI 6675 / PTO 7183
228	82	V	54	185	68,700	LCPH ATI 6676 / PTO 7184
231	82	V	48	170	48,000	LCPH ATI 6677 / PTO 7185
232	85	V	60	170	60,000	LCPH ATI 6678 / PTO 7186
233	82	V	48	170	48,000	LCPH ATI 6679 / PTO 7187
248	85	V	72	122	136,820	LCPH ATI 6687 / PTO 7188

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Opacity Monitoring

These emission points are subject to the opacity monitoring requirements in Appendix C of this permit.

Authority for Requirement: 567 IAC 24.108(3)

Agency Approved Operations & Maintenance Plan Required? **Yes ☐** **No ☒**

Facility Maintained Operation & Maintenance Plan Required? **Yes ☐** **No ☒**

Compliance Assurance Monitoring (CAM) Plan Required? **Yes ☐** **No ☒**

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Numbers: 249, 250, 251

Table 18. Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Desc.
249	200Pulper	356-3267 #1 Pulper Roof Exhaust Fan	Paper	2,115 SWT/day	--	--
250		356-3268 #2 Pulper Roof Exhaust Fan			--	--
251		356-3269 White Top Pulper Roof Exhaust Fan	Paper	2,255 SWT/day	--	--

Applicable Requirements

The emissions from each emission point shall not exceed the levels specified below.

Table 19. General Emission Limits

EP	Pollutant	Emission Limit(s)	Reference/Basis	Authority for Requirement
249 250 251	Opacity	40%[1,2]	567 IAC 23.3(2)"d"	LCPH ATI 7424 / PTO 7276 LCPH ATI 7425 / PTO 7277 LCPH ATI 7426 / PTO 7278
		20%[1,2]	LCCO Sec. 10-60(a)(1)	
	PM	0.1 gr/dscf	567 IAC 23.3(2)"a" LCCO Sec. 10-62(a)	

[1] The emission limit is based on a six (6) minute average.

[2] The observation of **visible emissions** of air contaminants as defined in LCCO Sec. 10-55 will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the visible emissions. If visible emissions continue after the corrections, Linn County may require additional proof to demonstrate compliance (e.g., stack testing).

Table 20. Emission Limits

EP	Pollutant	Emission Limit(s)	Reference/Basis	Authority for Requirement
249 250 251	PM	0.39 lb/hr	Requested limit	LCPH ATI 7424 / PTO 7276 LCPH ATI 7425 / PTO 7277 LCPH ATI 7426 / PTO 7278
	PM_{10}	0.34 lb/hr	Requested limit	

Operating Limits and Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Requirements and Associated Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Department. Records shall be legible and maintained in an orderly manner. The operating requirements and associated recordkeeping for this permit shall be:

A. The owner or operator shall conduct monthly visual observation of exhaust stacks to determine whether or not visible emissions (VE) remain after steam and water has dissipated. Promptly

investigate and take corrective actions any time VE are detected that differ from normal exhaust conditions. Maintain records documenting that each monthly observation was conducted, specifically noting the presence or absence of VE, whether follow-up actions were triggered, and corrective actions to address VE, if applicable, and that the VE have returned to normal conditions. If VE continue after the corrections, Linn County may require additional proof to demonstrate compliance with emission limits (e.g., stack testing).

Authority for Requirement: LCPH ATI 7424 / PTO 7276
LCPH ATI 7425 / PTO 7277
LCPH ATI 7426 / PTO 7278

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Table 21. Stack Characteristics

SEP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
249	69.75	V	36	80	75,000	LCPH ATI 7424 / PTO 7276
250	69.75	V	36	80	75,000	LCPH ATI 7425 / PTO 7277
251	69.75	V	36	80	75,000	LCPH ATI 7426 / PTO 7278

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Opacity Monitoring

These emission points are subject to the opacity monitoring requirements in Appendix C of this permit.

Authority for Requirement: 567 IAC 24.108(3)

Agency Approved Operations & Maintenance Plan Required? **Yes ☐** **No ☒**

Facility Maintained Operation & Maintenance Plan Required? **Yes ☐** **No ☒**

Compliance Assurance Monitoring (CAM) Plan Required? **Yes ☐** **No ☒**

Authority for Requirement: 567 IAC 24.108(3)

Power Boilers

Emission Point ID Numbers: 408, 409

Table 22. Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
408	PB1	Power Boiler 1	Natural Gas	419 MMBtu/hr	PB1A	Low NO_X Burner (2)
					PB1B	Flue Gas Recirculation
409	PB2	Power Boiler 2	Natural Gas	419 MMBtu/hr	PB2A	Low NO_X Burner (2)
					PB2B	Flue Gas Recirculation

Table 23. Associated Continuous Monitoring Systems

EP	EU	ME	Pollutant	Applicable Specifications[1]	Authority for Requirement
408	PB1	CEMS-408-NO_X	NO_X	40 CFR Part 60 40 CFR Part 60, Appendix F 40 CFR Part 60, Appendix A & B	40 CFR Part 60, Subpart Db 567 IAC 23.1(2)"ccc" LCCO Sec. 10-62(b)(55) LCPH ATI 7712R1 / --
			Diluent O_2		
		CEMS-408-CO	CO		
		CEMS-408-FLOW	Flow[2]	40 CFR Part 60 40 CFR Part 60, Appendix F 40 CFR Part 60, Appendix B	
409	PB2	CEMS-409-NO_X	NO_X	40 CFR Part 60 40 CFR Part 60, Appendix F 40 CFR Part 60, Appendix A & B	40 CFR Part 60, Subpart Db 567 IAC 23.1(2)"ccc" LCCO Sec. 10-62(b)(55) LCPH ATI 7713R1 / --
			Diluent O_2		
		CEMS-409-CO	CO		
		CEMS-409-FLOW	Flow	40 CFR Part 60 40 CFR Part 60, Appendix F 40 CFR Part 60, Appendix B	

[1] Includes Operational Specifications, Ongoing System Calibration / Quality Assurance, and Reporting & Recordkeeping requirements.

[2] Alternatively, the owner or operator may certify the data from the continuous flow monitoring system according to the requirements in 40 CFR §75.20(c) and 40 CFR Part 75, Subpart A, and following the quality control and quality assurance requirements of 40 CFR §75.21 and 40 CFR Part 75, Appendix B.

Applicable Requirements

The emissions from each emission point shall not exceed the levels specified below.

Table 24. Combined Emission Limits

EP	Pollutant	Emission Limit(s)	Reference/Basis	Authority for Requirement
408	NO_X	99 tpy[1]	Synthetic minor	LCPH ATI 7712R1 / --
409	CO	99 tpy[1]	Synthetic minor	LCPH ATI 7713R1 / --

[1] Total combined emissions from EPs 408 and 409 to keep LCPH Project 5031 minor for PSD.

Table 25. NSPS Emission Limits

EP	Pollutant	Emission Limit(s)	Reference/Basis	Authority for Requirement
408 409	NO_X	0.1 lb/MMBtu[1]	40 CFR §60.44b 567 IAC 23.1(2)"ooo" LCCO Sec. 10-62(b)(55)	LCPH ATI 7712R1 / -- LCPH ATI 7713R1 / --

[1] The low heat release emissions limit applies at all times, including periods of startup, shutdown, or malfunction (40 CFR §60.44b(h)) and is determined on a 30-day rolling average basis (40 CFR §60.44b(i)).

Table 26. Other Emission Limits

EP	Pollutant	Emission Limit(s)	Reference/Basis	Authority for Requirement
408 409	Opacity	20%[1,2]	LCCO Sec. 10-60(a)	LCPH ATI 7712R1 / -- LCPH ATI 7713R1 / --
	PM	0.1 lb/MMBtu	LCCO Sec. 10-61(b)(3)	
		3.12 lb/hr[3,4]	Requested limit	
	PM_{10}	3.12 lb/hr[3,4]	NAAQS	
	$PM_{2.5}$	3.12 lb/hr[3,4]	NAAQS	
	SO_2	500 ppm_V	LCCO Sec. 10-65(a)(2)	
	NO_X	45 lb/hr[3,4]	NAAQS	

[1] The emission limit is based on a six minute average.
[2] The observation of **visible emissions** of air contaminants as defined in LCCO Sec. 10-55 will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the visible emissions. If visible emissions continue after the corrections, Linn County may require additional proof to demonstrate compliance (e.g., stack testing).
[3] The emission limit is expressed as the average of three stack test runs.
[4] Emission limit used in facility-wide non-PSD dispersion modeling for [LCPH] Project Number 5031 to predict attainment of the NAAQS.

Operating Limits and Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Federal Standards

A. New Source Performance Standards (NSPS):
The following subparts apply to the emission unit(s) in this permit:

Table 27. NSPS Subpart Summary

EU ID	Subpart	Title	Type	Local Reference (LCCO Sec.)	Federal Reference (40 CFR)
408 409	A	General Conditions	NA	10-62(b)	§60.1 – §60.19
	Db	Standards of Performance for Industrial, Commercial, Institutional Steam Generating Units	Natural Gas	10-62(b)(55)	§60.40b – §60.49b

NOTE: The absence of the inclusion of any NSPS requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NSPS conditions.

B. New Source Performance Standards (NESHAP):
The following subparts apply to the emission unit(s) in this permit:

Table 28. NESHAP Subpart Summary

EU ID	Subpart	Title	Type	Local Reference (LCCO Sec.)	Federal Reference (40 CFR)
PB1 PB2	A	General Conditions	NA	10-62(d)	§63.1 – §63.16
	DDDDD	National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters	Natural Gas	--	§63.7480 – §63.7575

NOTE: The absence of the inclusion of any NESHAP requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NSPS conditions.

Authority for Requirement: LCPH ATI 7712R1 / --
LCPH ATI 7713R1 / --

Operating Requirements and Associated Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Department. Records shall be legible and maintained in an orderly manner. The operating requirements and associated recordkeeping for this permit shall be:

A. The owner or operator shall combust only pipeline quality natural gas in Power Boiler 1 (EU-PB1) and Power Boiler 2 (EU-PB2).
B. The owner or operator shall meet the monitoring requirements of 40 CFR §60.13 (NSPS Subpart A).
C. The owner or operator shall meet the standards of 40 CFR §60.44b (NSPS Subpart Db).
D. The owner or operator shall meet the testing and emission monitoring procedures of 40 CFR §60.46b and 40 CFR §60.48b (NSPS Subpart Db).
E. The owner or operator shall comply with the reporting and recordkeeping requirements pursuant to 40 CFR §60.49b (NSPS Subpart Db).
   (1) In accordance with 40 CFR §60.49b(h)(2)"i", the owner or operator of any affected facility that is subject to the nitrogen oxides standard of §60.44b and that combusts natural gas is required to submit excess emission reports for any excess emissions which occurred during the reporting period.
   (2) In accordance with 40 CFR §60.49b(h)(4)"i", for purposes of §60.48b(g)(1), excess emission are defined as any calculated 30-day rolling average nitrogen oxide emission rate, as determined under §60.46b(e), which exceeds the applicable limits in §60.44b.
   (3) In accordance with LCCO Sec. 10-70(d), a quarterly report containing the information recorded under 40 CFR §60.49b(g) shall be submitted.
F. The owner or operator shall maintain the control equipment according to manufacturer's specifications and good operating practices. The owner or operator shall maintain records of all maintenance completed on the control equipment.
G. The total amount of NO_X emitted from emission units PB1 and PB2 shall not exceed 99 tons in any 12-month period. The owner or operator shall:

(1) On a monthly basis, calculate and record the total amount of NO_X emissions, in tons, from EU-PB1 and PB2 during the previous month.
(2) On a monthly basis, calculate and record the rolling 12-month rolling total amount of NO_X emissions, in tons, from EU-PB1 and PB2.

H. The total amount of CO emitted from emission units PB1 and PB2 shall not exceed 99 tons in any `12-month period. The owner or operator shall:
(1) On a monthly basis, calculate and record the total amount of CO emissions, in tons, from EU-PB1 and PB2 during the previous month
(2) On a monthly basis, calculate and record the rolling 12-month amount of CO emissions, in tons, from EU-PB1 and PB2.

Authority for Requirement: LCPH ATI 7712R1 / --
LCPH ATI 7713R1 / --

Emission Point Characteristics

The emission points shall conform to the specifications listed below.

Table 29. Stack Characteristics

SEP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
408	120	V	76	297	125,905	LCPH ATI 7712R1 / --
409	120	V	76	297	125,905	LCPH ATI 7713R1 / --

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Opacity Monitoring

These emission points are subject to the opacity monitoring requirements in Appendix C of this permit.

Authority for Requirement: 567 IAC 24.108(3)

Continuous Emission Monitoring

The following continuous monitoring requirements apply to the emission points (EP408 and EP409) and their associated emission units (EU-PB1 and EU-PB2).

A. The following monitoring systems are required:
(1) NO_X:
Compliance with the nitrogen oxide (NO_X) emission limits of this permit shall be continuously demonstrated by the owner or operator through the use of a continuous emission

monitoring system (CEMS). Therefore, the owner or operator shall install, calibrate, maintain, and operate a CEMS for measuring NO_X emissions discharged to the atmosphere and record the output of the system.

The system shall be designed to meet the 40 CFR 60, Appendix B, Performance Specification 2 (PS2) and Performance Specification (PS6) (if the owner or operator uses 3a option) requirements. The specifications of 40 CFR Part 60, Appendix F (Quality Assurance / Quality Control) shall apply. Appendix F requirements shall be supplemented with a quarterly notice to the Department with the dates of the quarterly cylinder gas audits and annual relative accuracy test audit. The annual NO_X RATA testing shall be conducted to determine compliance with both the (lbs/MMBtu) and (lbs/hr) emission limits.

(2) O_2 or CO_2:
The owner or operator shall install, calibrate, maintain, and operate a CEMS and record the output of the system, for measuring the oxygen (O_2) or carbon dioxide (CO_2) content of the flue gases at each location where NO_X emissions are monitored.

The owner or operator may use one of the following (3a or 3b) to determine mass emission rates.

(3a) Exhaust Gas Flow Meter:
The owner or operator shall install, certify, operate, and maintain a continuous flow monitoring system meeting the requirements of 40 CFR Part 60, Appendix B, Performance Specification 6 of 40 CFR 60, Appendix F, Procedure 1. In addition, the owner or operator shall record the output of the system, for measuring the volumetric flow of exhaust gases to the atmosphere,

OR

Alternatively, data from a continuous flow monitoring system certified according to the requirements of 40 CFR §75.20(c) and 40 CFR 75, Appendix A, and continuing to meet the applicable quality control and quality assurance requirements of 40 CFR §75.21 and 40 CFR 75, Appendix B may be used.

(3b) Gas Fuel Flow Meter:
The owner or operator shall install, calibrate, maintain, and operate a natural gas fuel flow meter to determine the NO_X mass emission rates on each of the power boilers (1 and 2).

The owner or operator can derive the post-combustion flow rate (QS) using Equation 1 with a dry O_2 reading and an oxygen-based F factor or using Equation 2 with dry CO_2 reading and carbon dioxide-based F factor.

$$Q_S = F_d(H)[20.9/(20.9 - O_2)] \quad \text{(Equation 1)}$$

Where,
Q_S = stack flow rate (dscfm)
F_d = fuel-specific oxygen based F factor, dry basis, from Method 19 (scf/MMBtu)

H = fuel heat input rate at the HHV (MMBtu/min)
O_2 = stack oxygen concentration, dry basis (%)

OR

$$Q_S = F_c(H)(100/CO_2) \quad \text{(Equation 2)}$$

Where,
Q_S = stack flow rate (dscfm)
F_c = fuel-specific carbon dioxide based F factor, dry basis, from Method 19 (scf/MMBtu)
H = fuel heat input rate at the HHV (MMBtu/min)
CO_2 = stack carbon dioxide concentration, dry basis (%)

The facility must obtain ultimate and heat content analysis from the supplier of the pipeline natural gas supplied to the facility to develop a one-time site-specific F factor (F_d or F_c). The fuel analysis information shall be used with Equation 19-13 or Equation 19-15 from Method 19, Section 12.3.2.1 to determine the site-specific F factor (F_d or F_c). Use of the default F factor for natural gas listed in Method 19, Table 19-2 is prohibited.

$$F_d = [K(K_{hd}\%H + K_c\,\%C + K_s\,\%S + K_n\,\%N - K_o\,\%O)]/GCV \quad \text{(Equation 19-13)}$$

Where,
K = 10^6 Btu/MMBtu
K_{hd} = 3.64 [(scf/lb)/%]
K_c = 1.53 [(scf/lb)/%]
K_s = 0.57 [(scf/lb)/%]
K_n = 0.14 [(scf/lb)/%]
K_o = 0.46 [(scf/lb)/%]
$\%H$, $\%C$, $\%S$, $\%N$, $\%O$ = concentration of hydrogen, carbon, sulfur, nitrogen, and oxygen, respectively, in gross weight percent from an ultimate analysis of the fuel
GCV = gross calorific value of the fuel consistent with the ultimate fuel analysis [Btu/lb]

OR

$$F_c = [K(K_{cc}\,\%C)]/GCV$$

Where,
K = 10^6 Btu/MMBtu
K_{cc} = 0.321 [(scf/lb)/%]
$\%C$ = concentration of carbon in weight percent from an ultimate analysis of the fuel
GCV = gross calorific value of the fuel consistent with the ultimate fuel analysis [Btu/lb]

Higher Heating Values (HHV) from the fuel heat content analyses shall be used in the calculations.

All calibrations of the gas flow meters shall be performed according to the manufacturer's specifications and maintain all applicable records.

(4) CO:
Compliance with the carbon monoxide (CO) emission limits of this permit shall be continuously demonstrated by the owner or operator through the use of a continuous emission monitoring system (CEMS). Therefore, the owner or operator shall install, calibrate, maintain, and operate a CEMS for measuring CO emissions discharge to the atmosphere and record the output of the system.

The system shall be designed to mee the 40 CFR 60, Appendix B, Performance Specification 4A (PS4A) requirements. The specifications of 40 CFR 60, Appendix F (Quality Assurance / Quality Control) shall apply. Appendix F requirements shall be supplemented with a quarterly notice to the Department with the dates of the quarterly cylinder gas audits and annual relative accuracy test audit.

B. The following requirements shall apply to all CEMS for non-NSPS emission standards in this permit:
(1) The CEMS required by this permit shall be operated and data recorded during all periods of operation of the emission units associated with EPs 408 and 409, except for CEMS breakdown and repairs. Data is recorded during calibration checks and zero and span adjustments.
(2) The 1-hour average NO_X and CO emission rates measured by the CEMS required by this permit shall be used to calculate compliance with the emission standards in this permit. At least two data points must be used to calculate each 1-hour average.
(3) For each hour of missing data (NO_X and CO), the owner or operator shall substitute data by:
a. If the quarterly monitor data availability is equal to or greater than 95.0%, the permittee shall calculate substitute data by means of the automated data acquisition and handling system for each hour of each missing data period according to the following procedures:
i. For a missing data period less than equal to 24 hours, substitute the average of the hourly concentrations recorded by a pollutant concentration monitor for the hour before and the hour after the missing data period.
ii. For a missing data period greater than 24 hours, substitute the greater of:
1. The 90^{th} percentile hourly concentration recorded by a pollutant concentration monitor during the previous 2,160 quality-assured monitor operating hours; or
2. The average of the hourly concentrations recorded by a pollutant concentration monitor for the hour before and the hour after the missing data period.
b. If the quarterly monitor data availability is at least 90.0% but less than 95.0%, the permittee shall calculate substitute data by means of the automated data acquisition and handling system for each hour of each missing data period according to the following procedures:
i. For a missing data period less than equal to 8 hours, substitute the average of the hourly concentrations recorded by a pollutant concentration monitor for the hour before and the hour after the missing data period.
ii. For a missing data period greater than 8 hours, substitute the greater of:
1. The 95^{th} percentile hourly concentration recorded by a pollutant concentration monitor during the previous 2,160 quality-assured monitor operating hours; or
2. The average of the hourly concentration recorded by a pollutant concentration monitor for the hour before and the hour after the missing data period.

c. If the quarterly monitor data availability is less than 90.0%, the owner or operator shall obtain actual emission data by an alternate testing or monitoring method approved by the Department.

C. If requested by the Department, the owner/operator shall coordinate the quarterly cylinder gas audit with the Department to afford the Department the opportunity to observe these audits. The relative accuracy test audits shall be coordinated with the Department.

Authority for Requirement: LCPH ATI 7712R1 / --
LCPH ATI 7713R1 / --

Agency Approved Operations & Maintenance Plan Required?	**Yes** ☐	**No** ☒[1]
Facility Maintained Operation & Maintenance Plan Required?	**Yes** ☐	**No** ☒
Compliance Assurance Monitoring (CAM) Plan Required?	**Yes** ☐	**No** ☒

Authority for Requirement: 567 IAC 24.108(3)

[1] The Compliance Assurance Monitoring Calculations Form (DNR Form 542-1045) identified EUs PB1 and PB2 as requiring an Agency-Approved Operations & Maintenance (O&M) Plan for NO_X emissions; however, NO_X is monitored using continuous emissions monitoring (CEMS), which is more stringent than an Agency-Approved O&M Plan.

Support Equipment

Emission Point ID Numbers: 90, 92

Table 30. Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
90	90	Engine for Gorman Rubb Sump Pump	Diesel	80 bhp	--	--
92	92	Engine for Sump Pump on PM2	Diesel	80 bhp	--	--

Applicable Requirements

The emissions from each emission point shall not exceed the levels specified below.

Table 31. NSPS Emission Limits

EP	Pollutant	Emission Limit(s)	Reference/Basis	Authority for Requirement
90 92	Opacity	20%[1]	40 CFR §1039.105(b)(1)	40 CFR Part 60, Subpart IIII
		15%[2]	40 CFR §1039.105(b)(2)	
		50%[3]	40 CFR §1039.105(b)(3)	
	PM	0.40 g/kW-hr	40 CFR Part 1039, Appendix I	
	$NMHC+NO_X$	7.5 g/kW-hr	40 CFR Part 1039, Appendix I	
	CO	530 g/kW-hr	40 CFR Part 1039, Appendix I	

[1] Applies during acceleration mode.
[2] Applies during lugging mode.
[3] Applies during peaks in acceleration and lugging modes.

Table 32. Other Emission Limits

EP	Pollutant	Emission Limit(s)	Reference/Basis	Authority for Requirement
90 92	Opacity	40%[1,2]	567 IAC 23.3(2)"d"	567 IAC 23.3(2)"d"
		20%[1,2]	LCCO Sec. 10-60(a)	LCCO Sec. 10-60(a)
	PM	0.1 gr/dscf	567 IAC 23.3(2)"a" LCCO Sec. 10-62(a)	567 IAC 23.3(2)"a" LCCO Sec. 10-62(a)
	SO_2	2.5 lb/MMBtu	567 IAC 23.3(3)"b"(2)	567 IAC 23.3(3)"b"(2)
		1.5 lb/MMBtu	LCCO Sec. 10-62(a)(1)"b"	LCCO Sec. 10-62(a)(1)"b"

[1] The emission limit is based on a six minute average.
[2] An exceedance of the indicator of 20% will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after correction, the Department may require additional proof to demonstrate compliance (e.g., stack testing).

Operating Limits and Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Federal Standards

A. New Source Performance Standards (NSPS):
The following subparts apply to the emission unit(s) in this permit:

Table 33. NSPS Subpart Summary

EU ID	Subpart	Title	Type	Local Reference (LCCO Sec.)	Federal Reference (40 CFR)
90 92	A	General Conditions	NA	10-62(b)	§60.1 – §60.19
	IIII	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	2007 Emergency Generator	10-62(b)(77)	§60.4200 – §60.4219

NOTE: The absence of the inclusion of any NESHAP requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NSPS conditions.

B. New Source Performance Standards (NESHAP):
The following subparts apply to the emission unit(s) in this permit:

Table 34. NESHAP Subpart Summary

EU ID	Subpart	Title	Type	Local Reference (LCCO Sec.)	Federal Reference (40 CFR)
90 92	A	General Conditions	NA	10-62(d)	§63.1 – §63.16
	ZZZZ	National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	2007 Emergency Generator	10-62(d)(104)	§63.6580 – §63.6675

NOTE: The absence of the inclusion of any NSPS requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NSPS conditions.

Authority for Requirement: LCPH CI-3
LCPH CI-263

Operating Requirements and Associated Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Department. Records shall be legible and maintained in an orderly manner. The operating requirements and associated recordkeeping for this permit shall be:

General Requirements

A. The owner or operator must meet the applicable emission standards listed in Attachment A to [LCPH CI-3 and CI-263]. The engine must be installed and configured according to the manufacturer's specifications.

(1) Pre-2007 model year CI engines or fire pump engines manufactured prior to the model year specified in Table A.4 [of Attachment A to LCPH CI-3 and CI-263] must comply with the emission standards in Table A.1 or Table A.4 of Attachment A [to LCPH CI-3 and CI-263].
(2) 2007 and later model year engines must be certified by the manufacturer to comply with the emission standards of NSPS Subpart IIII. These standards have been reproduced in Tables A.2, A.3, and A.4 of Attachment A [to LCPH CI-3 and CI-263] for convenience.
(3) 2009 and later model year fire pump engines must be certified by the manufacturer to comply with the emission standards of Table A.4 of Attachment A [to LCPH CI-3 and CI-263].

B. The owner or operator must demonstrate compliance with the emission standards of NSPS Subpart IIII according to one of the following methods:

C. The owner or operator must operate and maintain the CI engine according to the manufacturer's specifications and written procedures for the life of the engine to maintain compliance with the emission standards.
(1) Purchase an engine certified according to 40 CFR Part 89 or 40 CFR Part 94, as applicable, for the same model year and maximum engine power.
(2) Keep records of performance test results for each pollutant for a test conducted on a similar engine. The test must have been conducted using the same methods specified in NSPS Subpart IIII.
(3) Keep records of engine manufacturer data indicating compliance with the standards.
(4) Keep records of control device vendor data indicating compliance with the standards.
(5) Conduct an initial performance test to demonstrate compliance with the emission standards according to the requirements specified in 40 CFR §60.4212, as applicable.

D. The owner or operator of the CI engine must use fuel that has a maximum sulfur content of 15 ppm and either a cetane index of 40 or a maximum aromatic content of 35%, by volume.

Emergency Engine Requirements

E. The owner or operator for an emergency CI engine must install a non-resettable hour meter prior to the start-up of the engine.

F. The CI engine may be operated for the purpose of maintenance checks and readiness testing for a maximum of 100 hour per year. There is no time limit for use in emergency situations.

G. Operation other than that specified in Condition 4.G [of LCPH CI-3 and CI-263] is prohibited.

H. The owner or operator of an emergency engine must keep records of all engine operations. The owner or operator must record the time of operation of the engine and the reason the engine was in operation.

Authority for Requirement: LCPH CI-3
LCPH CI-263

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

No applicable requirements at this time.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operations & Maintenance Plan Required?	**Yes ☐**	**No ☒**
Facility Maintained Operation & Maintenance Plan Required?	**Yes ☐**	**No ☒**
Compliance Assurance Monitoring (CAM) Plan Required?	**Yes ☐**	**No ☒**

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: 91

Table 35. Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
91	91	Fire Pump Engine	Diesel	208 bhp	--	--

Applicable Requirements

The emissions from each emission point shall not exceed the levels specified below.

Table 36. Emission Limits

EP	Pollutant	Emission Limit(s)	Reference/Basis	Authority for Requirement
91	Opacity	40%[1,2]	567 IAC 23.3(2)"d"	567 IAC 23.3(2)"d"
		20%[1,2]	LCCO Sec. 10-60(a)	LCCO Sec. 10-60(a)
	PM	0.1 gr/dscf	567 IAC 23.3(2)"a" LCCO Sec. 10-62(a)	567 IAC 23.3(2)"a" LCCO Sec. 10-62(a)
	SO_2	2.5 lb/MMBtu	567 IAC 23.3(3)"b"(2)	567 IAC 23.3(3)"b"(2)
		1.5 lb/MMBtu	LCCO Sec. 10-62(a)(1)"b"	LCCO Sec. 10-62(a)(1)"b"

[1] The emission limit is based on a six minute average.

[2] An exceedance of the indicator of 20% will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after correction, the Department may require additional proof to demonstrate compliance (e.g., stack testing).

Operating Limits and Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Federal Standards

A. New Source Performance Standards (NESHAP):
The emergency engine is subject to 40 CFR 63 Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE). According to 40 CFR §63.6590(a)(1)(ii), this compression ignition emergency engine, located at a major source, is an existing stationary RICE as it was constructed prior to June 12, 2006.

NOTE: The absence of the inclusion of any NSPS requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NSPS conditions.

Authority for Requirement: NESHAP Subpart ZZZZ

Operating Requirements and Associated Recordkeeping

Compliance Date

Per 40 CFR §63.6595(a)(1), you must comply with the provisions of Subpart ZZZZ that are applicable by May 3, 2013,

Operation and Maintenance Requirements 40 CFR §63.6602, §63.6625, §63.6640, and Tables 2c and 6 to Subpart ZZZZ

A. Change oil and filter every 500 hours of operation or annually, whichever comes first. (See 40 CFR §63.6625(i) for the oil analysis option to extend time frame of requirements.)
B. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary.
C. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
D. Operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
E. Install a non-resettable hour meter if one is not already installed.
F. Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

Operating Limits 40 CFR §63.6640(f)

G. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations (*up to*) 50 hours per year is prohibited.
H. There is no time limit on the use of emergency stationary RICE in emergency situations.
I. You may operate your emergency stationary RICE up to 100 combined hours per calendar year for maintenance checks and readiness testing. See 40 CFR §63.6640(f)(2) for additional information and restrictions.
J. You may operate your emergency stationary RICE up to 40 hours per calendar year for non-emergency situations, but those 50 hours are counted toward the 100 hours of maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

Recordkeeping Requirements 40 CFR §63.6655

K. Keep records of the maintenance conducted on the stationary RICE.
L. Keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. Document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. See 40 CFR §63.6655(f) for additional information.

Notification and Reporting Requirements 40 CFR §63.6645, §63.6650, and Table 2c to Subpart ZZZZ

M. An initial notification is not required per 40 CFR §63.6645(a)(5).
N. A report may be required for failure to perform the work practice requirements on the schedule required in Table 2c. (See Footnote 1 of Table 2c for more information.)

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"
LCCO Sec. 10-62(d)(104)

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

No applicable requirements at this time.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operations & Maintenance Plan Required?	**Yes ☐**	**No ☒**
Facility Maintained Operation & Maintenance Plan Required?	**Yes ☐**	**No ☒**
Compliance Assurance Monitoring (CAM) Plan Required?	**Yes ☐**	**No ☒**

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Numbers: 300, 301

Table 37. Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
300	300	Cationic Starch Silo	Starch	15 tph	300	Baghouse
301	301	Size Press Starch Silo	Starch	15 tph	301	Baghouse

Applicable Requirements

The emissions from each emission point shall not exceed the levels specified below.

Table 38. Emission Limits

EP	Pollutant	Emission Limit(s)	Reference/Basis	Authority for Requirement
300 301	Opacity	40%[1,2]	567 IAC 23.3(3)"d"	567 IAC 23.3(3)"d"
		20%[1,2]	LCCO Sec. 10-60(a)	LCPH ATI 6376 / PTO 6128 LCPH ATI 6377 / PTO 6129
	PM	0.1 gr/dscf	567 IAC 23.3(2)"a"(1) LCCO Sec. 10-62(a)	
		0.86 lb/hr	Requested limit	
	PM_{10}	0.86 lb/hr[3]	NAAQS	

[1] The emission limit is based on a six minute average.

[2] The observation of **visible emissions** of air contaminants as defined in LCCO Sec. 10-55 will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the visible emissions. If visible emissions continue after the corrections, Linn County may require additional proof to demonstrate compliance (e.g., stack testing).

[3] Emission rate used to demonstrate no exceedance of the National Ambient Air Quality Standard (NAAQS).

Operating Limits and Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Control Equipment

A baghouse shall be installed to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors, and gauges needed to measure the parameters outlined in Condition 16 [of the associated construction permits] shall be installed, maintained, and operating during the operation of the emission unit and control device at all times.

Authority for Requirement: LCPH ATI 6376 / PTO 6128
LCPH ATI 6377 / PTO 6129

Operating Limits

A. The control equipment shall be maintained according to the manufacturer's specifications and good operating practices.
B. The differential pressure across the control equipment shall be maintained between 0.1" and 8.0" w.c.

Authority for Requirement: LCPH ATI 6376 / PTO 6128
LCPH ATI 6377 / PTO 6129

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Department. Records shall be legible and maintained in an orderly manner. The operating requirements and associated recordkeeping for this permit shall be:

A. The owner or operator shall monitor and record the differential pressure across the control equipment at least one time during each receiving event.
B. The owner or operator shall maintain a record of all maintenance and repair completed on the control equipment.
C. The owner or operator shall conduct a visual observation of the exhaust at least one time during each receiving event. Promptly investigate and take corrective actions any time that visible emissions are identified. Maintain records documenting that each observation was conducted, specifically note the presence or absence of visible emissions, whether follow-up actions were triggered, and corrective actions taken to address visible emissions, if applicable, and that the visible emissions have returned to normal conditions. If visible emissions continue to persist after corrective actions have been taken, Linn County Air Quality Division may require additional proof to demonstrate compliance with opacity standards.

Authority for Requirement: LCPH ATI 6376 / PTO 6128
LCPH ATI 6377 / PTO 6129

Emission Point Characteristics

The emission points shall conform to the specifications listed below.

Table 39. Stack Characteristics

SEP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (scfm)	Authority for Requirement
300	70	Horizontal	7	70	1,000	LCPH ATI 6376 / PTO 6128
301	87.5	Horizontal	7	70	1,000	LCPH ATI 6377 / PTO 6129

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Opacity Monitoring

These emission points are subject to the opacity monitoring requirements in Appendix C of this permit.

Authority for Requirement: 567 IAC 24.108(3)

Agency Approved Operations & Maintenance Plan Required?	**Yes ☐**	**No ☒**
Facility Maintained Operation & Maintenance Plan Required?	**Yes ☐**	**No ☒**
Compliance Assurance Monitoring (CAM) Plan Required?	**Yes ☐**	**No ☒**

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Numbers: 400, 405, 406, 407

Table 40. Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
400	AMU7	AMU7 – Mill 2	Natural gas	10 MMBtu/hr	--	--
405	356-350-3250	Pulper Building AMU1	Natural gas	10.44 MMBtu/hr	--	--
406	356-350-3255	Pulper Building AMU2	Natural gas	10.44 MMBtu/hr	--	--
407	AMU10	AMU10 – Mill 2	Natural gas	10.75 MMBtu/hr	--	--

Applicable Requirements

The emissions from each emission point shall not exceed the levels specified below.

Table 41. General Emission Limits

EP	Pollutant	Emission Limit(s)	Reference/Basis	Authority for Requirement
400	Opacity	No VE	LCCO Sec. 10-58(c)(3)	LCPH ATI 6688 / PTO 6979R1
405	PM	0.29 lb/MMBtu	LCCO Sec. 10-61(b)(2)	LCPH ATI 7207 / PTO 6977R1
406	SO_2	500 ppm_V	567 IAC 23.3(3)"e"	LCPH ATI 7208 / PTO 6678R1
407			LCCO Sec, 10-65(a)(2)	LCPH ATI 7209 / PTO 6680R1

Table 42. Specific Emission Limits

EP	Pollutant	Emission Limit(s)	Reference/Basis	Authority for Requirement
400	PM	0.075 lb/hr	Limit PTE	LCPH ATI 6688 / PTO 6979R1
	PM_{10}	0.075 lb/hr	Limit PTE	
405	PM	0.078 lb/hr	Limit PTE	LCPH ATI 7207 / PTO 6977R1
	PM_{10}	0.078 lb/hr	Limit PTE	
406	PM	0.078 lb/hr	Limit PTE	LCPH ATI 7208 / PTO 6678R1
	PM_{10}	0.078 lb/hr	Limit PTE	
407	PM	0.080 lb/hr	Limit PTE	LCPH ATI 7209 / PTO 6680R1
	PM_{10}	0.080 lb/hr	Limit PTE	

Operating Limits and Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Requirements and Associated Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Department. Records shall be legible and maintained in an orderly manner. The operating requirements and associated recordkeeping for this permit shall be:

There are no operating limits at this time.

Authority for Requirement: LCPH ATI 6688 / PTO 6979R1
LCPH ATI 7207 / PTO 6977R1

LCPH ATI 7208 / PTO 6978R1
LCPH ATI 7209 / PTO 6980R1

Emission Point Characteristics

The emission points shall conform to the specifications listed below.

Table 43. Stack Characteristics

SEP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
400	--	Indoor	--	--	--	LCPH ATI 6688 / PTO 6979R1
405	--	Indoor	--	--	--	LCPH ATI 7207 / PTO 6977R1
406	--	Indoor	--	--	--	LCPH ATI 7208 / PTO 6978R1
407	--	Indoor	--	--	--	LCPH ATI 7209 / PTO 6980R1

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operations & Maintenance Plan Required? **Yes ☐** **No ☒**

Facility Maintained Operation & Maintenance Plan Required? **Yes ☐** **No ☒**

Compliance Assurance Monitoring (CAM) Plan Required? **Yes ☐** **No ☒**

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Numbers: 401, 402, 403

Table 44. Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
401	401	Paper Machine #1 Mill Water Cooling Tower	Cooling Water	150,000 gph	401	Drift Eliminator
402	402	Paper Machine #1 Vacuum Cooling Tower	Cooling Water	105,000 gph	402	Drift Eliminator
403	403	Paper Machine #2 Mill Water Cooling Tower	Cooling Water	258,000 gph	403	Drift Eliminator

Applicable Requirements

The emissions from each emission point shall not exceed the levels specified below.

Table 45. General Emission Limits

EP	Pollutant	Emission Limit(s)	Reference/Basis	Authority for Requirement
401 402 403	Opacity	40%[1,2]	567 IAC 23.3(2)"d"	567 IAC 23.3(2)"d"
		20%[1,2]	LCCO Sec. 10-60(a)	LCPH ATI 6369 / PTO 6130
	PM	0.1 gr/dscf	567 IAC 23.3(2)"a"(1) LCCO Sec. 10-62(a)	LCPH ATI 6370 / PTO 6131 LCPH ATI 6371 / PTO 6132

[1] The emission limit is based on a six minute average.

[2] The observation of **visible emissions** of air contaminants as defined in LCCO Sec. 10-55 will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the visible emissions. If visible emissions continue after the corrections, Linn County may require additional proof to demonstrate compliance (e.g., stack testing).

Table 46. Specific Emission Limits

EP	Pollutant	Emission Limit(s)	Reference/Basis	Authority for Requirement
401	PM	1.02 lb/hr[1]	NAAQS	LCPH ATI 6369 / PTO 6130
	PM_{10}	1.02 lb/hr[1]	NAAQS	
402	PM	12.07 lb/hr[2]	NAAQS	LCPH ATI 6370 / PTO 6131
	PM_{10}	12.07 lb/hr[2]	NAAQS	
403	PM	2.14 lb/hr[3]	NAAQS	LCPH ATI 6371 / PTO 6132
	PM_{10}	2.14 lb/hr[3]	NAAQS	

[1] PM/PM_{10} emission limits are the maximum potential short-term emission rates calculated using the AP-42 methodology, drift losses of 0.01%, maximum design water flow rates and a total dissolved solids (TDS) concentration of 8,153 parts per million by weight (8,153 mg/L). Emission rate used to demonstrate no exceedance of the National Ambient Air Quality Standards (NAAQS).

[2] PM/PM_{10} emission limits are the maximum potential short-term emission rates calculated using the AP-42 methodology, drift losses of 0.01%, maximum design water flow rates and TDS concentration of 137,883 parts per million by weight (137,883 mg/L). Emission rate used to demonstrate no exceedance of the NAAQS.

[3] PM/PM_{10} emission limits are the maximum potential short-term emission rates calculated from AP-42 methodology, drift losses of 0.013%, maximum design water flow rates and TDS concentration of 7,650 parts per million by weight (7,650 mg/L). Emission rate used to demonstrate no exceedance of the NAAQS.

Operating Limits and Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Control Equipment

A drift eliminator is an integral part of the cooling tower design incorporated to minimize evaporation and water losses. The installed drift eliminator system shall not be removed. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation.

Authority for Requirement: LCPH ATI 6369 / PTO 6130
LCPH ATI 6370 / PTO 6131
LCPH ATI 6371 / PTO 6132

Operating Limits

A. Chromium-based water treatment chemicals shall not be used in this emission unit.
B. Measurement of Total Dissolved Solids (TDS) concentration in excess of [8,153 parts per million by weight (EU 401), 137,883 ppm_W (EU 402), and 7,650 ppm_W (EU 403), respectively,] triggers requirements to take prompt actions to reduce elevated TDS concentrations or failure to conduct follow-up confirmation sampling and analysis following corrective actions as described in [Condition 16 of the associated LCPH air permit] is considered an excess emissions event and a violation of this permit.

Authority for Requirement: LCPH ATI 6369 / PTO 6130
LCPH ATI 6370 / PTO 6131
LCPH ATI 6371 / PTO 6132

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Department. Records shall be legible and maintained in an orderly manner. The operating requirements and associated recordkeeping for this permit shall be:

A. The owner or operator shall maintain a [safety data sheet] of all water treatment chemicals used.
B. The owner or operator shall maintain records of the manufacturer's design guarantee.
C. At least once each calendar month, collect, analyze, and record TDS level from cooling tower influent grab samples. If TDS exceeds [8,153 ppm_W (EU 401), 137,833 ppm_W (EU 402), or 7,650 ppm_W (EU 403), respectively], the permittee must promptly investigate, take corrective actions to reduce solids concentrations and increase the frequency of monitoring to a weekly basis to confirm the corrective measures have lowered solids below action levels. The quarterly monitoring frequency may resume following four consecutive weekly sampling events with measured TDS below the specified action level.
D. Each calendar month, perform a visual observation of the cooling water exhaust gases to determine if visible emissions exist after water vapor and steam has condensed and fully dissipated. If visible emissions other than water are observed, promptly investigate to identify equipment or operating conditions causing the condition and take necessary corrective actions to

minimize emissions. Maintain records documenting that each monthly observation was conducted, specifically noting the presence or absence of visible emissions, whether follow-up actions were taken to address visible emissions, if applicable, and that the visible emissions have returned to normal conditions. If visible emissions continue to persist after corrective actions have been taken, Linn County Air Quality Division may require additional proof to demonstrate compliance with opacity standards.

Authority for Requirement: LCPH ATI 6369 / PTO 6130
LCPH ATI 6370 / PTO 6131
LCPH ATI 6371 / PTO 6132

Emission Point Characteristics

The emission points shall conform to the specifications listed below.

Table 47. Stack Characteristics

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (scfm)	Authority for Requirement
401	22.2	V	168	62	143,950	LCPH ATI 6369 / PTO 6130
402	19.2	V	129	95	103,700	LCPH ATI 6370 / PTO 6131
403	24.7	V	240	62	302,580	LCPH ATI 6371 / PTO 6132

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operations & Maintenance Plan Required? **Yes ☐** **No ☒**

Facility Maintained Operation & Maintenance Plan Required? **Yes ☐** **No ☒**

Compliance Assurance Monitoring (CAM) Plan Required? **Yes ☐** **No ☒**

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: 404

Table 48. Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
404	404	No. 2 Paper Machin Vacuum Cooling Tower	Cooling Water	105,000 gph	404	Drift Eliminator

Applicable Requirements

The emissions from this emission point shall not exceed the levels specified below.

Table 49. Emission Limits

EP	Pollutant	Emission Limit(s)	Reference/Basis	Authority for Requirement
404	Opacity	40%[1,2]	567 IAC 23.3(2)"d"	567 IAC 23.3(2)"d"
		20%[1,2]	LCCO Sec. 10-60(a)	LCPH ATI 8189 / PTO 7700
	PM	0.84 lb/hr[3]	Limit PTE	
	PM_{10}	0.84 lb/hr[3]	Limit PTE	

[1] The emission limit is based on a six minute average.

[2] The observation of visible emissions of air contaminants as defined in LCCO Sec. 10-55 will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the visible emissions. If visible emissions continue after the corrections, the Department may require additional proof to demonstrate compliance (e.g., stack testing).

[3] PM/PM_{10} emission limits are the maximum potential short-term emission rates calculated using AP-42 methodology, drift losses of 0.01%, maximum design water flowrates, and a total dissolved solids (TDS) concentration of 9,600 parts per million, by weight (9,600 mg/L).

Operating Limits and Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Requirements and Associated Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Department. Records shall be legible and maintained in an orderly manner. The operating requirements and associated recordkeeping for this permit shall be:

A. Water treatment chemicals containing Chromium shall not be used in this emission unit (EU 404). The owner or operator shall maintain a safety data sheet (SDS) for each water treatment chemical used in this emission unit.

B. The owner or operator shall maintain records of the manufacturer's design guarantee for the drift eliminator (EU 404).

C. The owner or operator shall monitor the Total Dissolved Solids (TDS) concentration in the water used in this emission unit (EU 404).

(1) The action level for TDS is 9,600 parts per million, by weight (ppm_W) or milligrams per liter (mg/L).

(2) TDS concentrations shall be monitored at least once each calendar month.
(3) If the TDS concentration exceeds the action level during any sampling event, the owner or operator shall:
    a. Promptly investigate and correct equipment and operational conditions causing or contributing to elevated TDS; and
    b. Increase the frequency of TDS monitoring to at least once per calendar week to confirm corrective actions have lowered the TDS concentrations. Monthly monitoring may resume corrective actions have lowered the TDS concentrations. Monthly monitoring may resume after four consecutive weekly sampling events with measured TDS below the action level.
    c. Failure to investigate and take prompt action to reduce TDS concentrations or a failure to conduct follow-up confirmation sampling and analysis following corrective actions described in Condition [C(3)"b"] is considered an excess emissions event and a violation of this permit.

D. The owner or operator shall:
(1) Conduct monthly visual observation of exhausts to determine if visual emissions (VE) remain after steam and water vapor have dissipated.
(2) Promptly investigate and take corrective action any time that VE are detected that differ from normal conditions; and
(3) Maintain records documenting that each monthly observation was conducted, specifically noting the presence or absence of VE, whether [follow-up] actions were triggered, any corrective actions taken to address VE (if applicable), and that the VE have returned to normal conditions.
(4) If VE continue to persist after corrective actions have been taken, the Linn County Air Quality Branch may require additional proof to demonstrate compliance with emission limits.

Authority for Requirement: LCPH ATI 8189 / PTO 7700

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Table 50. Stack Characteristics

SEP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (scfm)	Authority for Requirement
404	40.8	V	156	95	302,580	LCPH ATI 8189 / PTO 7700

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operations & Maintenance Plan Required?	**Yes ☐**	**No ☒**
Facility Maintained Operation & Maintenance Plan Required?	**Yes ☐**	**No ☒**
Compliance Assurance Monitoring (CAM) Plan Required?	**Yes ☐**	**No ☒**

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Numbers: 500, 501, 502, 503

Table 51. Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
501A[1] 501B[2]	501	Paper Machine #1 High Density Storage	Pulp	139,800 gph	--	--
502	502	Paper Machine #2 – Bottom Sheet High Density Storage	Pulp	112,200 gph	--	--
503	503	Paper Machine #2 – Top Sheet High Density Storage	Pulp	60,600 gph	--	--

[1] EP 501A is permitted as EP 500 for the purposes of LCPH tracking.
[2] EP 501B is permitted as EP 501 for the purposes of LCPH tracking.

Applicable Requirements

The emissions from each emission point shall not exceed the levels specified below.

Table 52. Emission Limits

EP	Pollutant	Emission Limit(s)	Reference/Basis	Authority for Requirement
501A 501B 502 503	Opacity	40%[1,2]	567 IAC 23.3(2)"d"	567 IAC 23.3(2)"d"
		20%[1,2]	LCCO Sec. 10-60(a)	LCPH ATI 6582 / PTO 6407 LCPH ATI 6583 / PTO 6408 LCPH ATI 6584 / PTO 6409 LCPH ATI 6585 / PTO 6410
	PM[3]	0.1 gr/dscf	LCCO Sec. 10-62(a)	

[1] The emission limit is a six (6) minute average.
[2] The observation of visible emissions of air contaminants as defined in LCCO Sec. 10-55 will require the owner/operator to promptly investigate the emission unit(s) and make corrections to operations or equipment associated with the visible emissions. If visible emissions continue after the corrections, Linn County may require additional proof to demonstrate compliance (e.g., stack testing).
[3] Emissions are accounted for in EU100Pulper (501A and 501B) and EU200Pulper (502 and 503).

Operating Limits and Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Department. Records shall be legible and maintained in an orderly manner. The operating requirements and associated recordkeeping for this permit shall be:

A. Conduct a monthly visual observation of exhausts to determine if visible emissions (VE) remain after steam and water vapor has dissipated. Promptly investigate and take corrective actions any time that visible emissions are detected that differ from normal exhaust conditions. Maintain records documenting that each monthly observation was conducted, specifically noting the

presence or absence of visible emissions, whether follow-up actions were triggered, and corrective actions taken to address visible emissions, if applicable, and that the visible emissions have returned to normal conditions. If visible emissions continue to persist after corrective actions have been taken, Linn County Air Quality Division may require additional proof to demonstrate compliance with opacity standards.

Authority for Requirement: LCPH ATI 6582 / PTO 6407
LCPH ATI 6583 / PTO 6408
LCPH ATI 6584 / PTO 6409
LCPH ATI 6585 / PTO 6410

Emission Point Characteristics

The emission points shall conform to the specifications listed below.

Table 53. Stack Characteristics

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
501A	84	V	3	100	Passive	LCPH ATI 6582 / PTO 6407
501B	85.25	V	8	100	Passive	LCPH ATI 6583 / PTO 6408
502	85.25	V	6	100	Passive	LCPH ATI 6584 / PTO 6409
503	85.25	V	6	100	Passive	LCPH ATI 6585 / PTO 6410

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Opacity Monitoring

These emission points are subject to the opacity monitoring requirements in Appendix C of this permit.

Authority for Requirement: 567 IAC 24.108(3)

Agency Approved Operations & Maintenance Plan Required? **Yes ☐** **No ☒**

Facility Maintained Operation & Maintenance Plan Required? **Yes ☐** **No ☒**

Compliance Assurance Monitoring (CAM) Plan Required? **Yes ☐** **No ☒**

Authority for Requirement: 567 IAC 24.108(3)

IV. General Conditions

This permit is issued under the authority of the Iowa Code subsection 455B.133(8) and in accordance with 567 Iowa Administrative Code chapter 24 and Linn County Code of Ordinances (LCCO) Chapter 10 – Environment, Article III, Sec. 10-57.

G1. Duty to Comply

1. The permittee must comply with all conditions of the Title V permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for a permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. 567 IAC 24.108(9)"a"
2. Any compliance schedule shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based. 567 IAC 24.105 (2)"h"(3)
3. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be enforceable by the administrator and are incorporated into this permit. 567 IAC 24.108 (1)"b"
4. Unless specified as either "state enforceable only" or "local program enforceable only", all terms and conditions in the permit, including provisions to limit a source's potential to emit, are enforceable by the administrator and citizens under the Act. 567 IAC 24.108 (14)
5. It shall not be a defense for a permittee, in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. 567 IAC 24.108 (9)"b"
6. For applicable requirements with which the permittee is in compliance, the permittee shall continue to comply with such requirements. For applicable requirements that will become effective during the permit term, the permittee shall meet such requirements on a timely basis. 567 IAC 24.108(15)"c"

G2. Permit Expiration

1. Except as provided in rule 567—24.104(455B), permit expiration terminates a source's right to operate unless a timely and complete application for renewal has been submitted in accordance with rule 567—24.105(455B). 567 IAC 24.116(2)
2. To be considered timely, the owner, operator, or designated representative (where applicable) of each source required to obtain a Title V permit shall submit on forms or electronic format specified by the Department to the Air Quality Bureau, Iowa Department of Natural Resources, Air Quality Bureau, Wallace State Office Building, 502 E 9th St., Des Moines, IA 50319-0034, two copies (three if your facility is located in Linn or Polk county) of a complete permit application, at least 6 months but not more than 18 months prior to the date of permit expiration. An additional copy must also be sent to U.S. EPA Region VII, Attention: Chief of Air Permitting & Standards Branch, 11201 Renner Blvd., Lenexa, KS 66219. Additional copies to local programs or EPA are not required for application materials submitted through the electronic format specified by the Department. The application must include all emission points, emission units, air pollution control equipment, and monitoring devices at the facility. All emissions generating activities, including fugitive emissions, must be included. The definition of a complete application is as indicated in 567 IAC 24.105(2). 567 IAC 24.105

G3. Certification Requirement for Title V Related Documents

Any application, report, compliance certification or other document submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications

shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. 567 IAC 24.107 (4)

G4. Annual Compliance Certification

By March 31 of each year, the permittee shall submit compliance certifications for the previous calendar year. The certifications shall include descriptions of means to monitor the compliance status of all emissions sources including emissions limitations, standards, and work practices in accordance with applicable requirements. The certification for a source shall include the identification of each term or condition of the permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with all applicable department rules. For sources determined not to be in compliance at the time of compliance certification, a compliance schedule shall be submitted which provides for periodic progress reports, dates for achieving activities, milestones, and an explanation of why any dates were missed and preventive or corrective measures. The compliance certification shall be submitted to the administrator, director, and Linn County Public Health Air Quality Division. 567 IAC 24.108 (15)"e"

G5. Semi-Annual Monitoring Report

By March 31 and September 30 of each year, the permittee shall submit a report of any monitoring required under this permit for the 6 month periods of July 1 to December 31 and January 1 to June 30, respectively. All instances of deviations from permit requirements must be clearly identified in these reports, and the report must be signed by a responsible official, consistent with 567 IAC 24.107(4). The semi-annual monitoring report shall be submitted to the director and Linn County Public Health Air Quality Division. 567 IAC 24.108 (5)

G6. Annual Fee

1. The permittee is required under subrule 567 IAC 24.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
3. The emissions inventory shall be submitted annually by March 31 with forms specified by the department documenting actual emissions for the previous calendar year.
4. The fee shall be submitted annually by July 1 with forms specified by the department.
5. If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.
6. Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.
7. The fee for a portable emissions unit or stationary source which operates both in Iowa and out of state shall be calculated only for emissions from the source while operating in Iowa.
8. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 24.115(1)"d".

G7. Inspection of Premises, Records, Equipment, Methods and Discharges

Upon presentation of proper credentials and any other documents as may be required by law, the permittee shall allow the director or the director's authorized representative to:

1. Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
3. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
4. Sample or monitor, at reasonable times, substances or parameters for the purpose of ensuring compliance with the permit or other applicable requirements. 567 IAC 24.108 (15)"b" and LCO Sec. 10-75

G8. Duty to Provide Information

The permittee shall furnish to the director, within a reasonable time, any information that the director may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the director copies of records required to be kept by the permit, or for information claimed to be confidential, the permittee shall furnish such records directly to the administrator of EPA along with a claim of confidentiality. 567 IAC 24.108 (9)"e" and LCO Sec. 10-71 and 10-72

G9. General Maintenance and Repair Duties

The owner or operator of any air emission source or control equipment shall:

1. Maintain and operate the equipment or control equipment at all times in a manner consistent with good practice for minimizing emissions.
2. Remedy any cause of excess emissions in an expeditious manner.
3. Minimize the amount and duration of any excess emission to the maximum extent possible during periods of such emissions. These measures may include but not be limited to the use of clean fuels, production cutbacks, or the use of alternate process units or, in the case of utilities, purchase of electrical power until repairs are completed.
4. Schedule, at a minimum, routine maintenance of equipment or control equipment during periods of process shutdowns to the maximum extent possible. 567 IAC 24.2(1) and LCO Sec. 10-67(b)

G10. Recordkeeping Requirements for Compliance Monitoring

1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records, where applicable:
   a. The date, place and time of sampling or measurements;
   b. The date the analyses were performed;
   c. The company or entity that performed the analyses;
   d. The analytical techniques or methods used;
   e. The results of such analyses;
   f. The operating conditions as existing at the time of sampling or measurement; and
   g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts).
2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance

records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.

3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:
   a. Comply with all terms and conditions of this permit specific to each alternative scenario.
   b. Maintain a log at the permitted facility of the scenario under which it is operating.
   c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. 567 IAC 24.108(4), 567 IAC 24.108(12)

G11. Evidence Used in Establishing that a Violation Has or Is Occurring.

Notwithstanding any other provisions of these rules, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any provisions herein.

1. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred at a source:
   a. A monitoring method approved for the source and incorporated in an operating permit pursuant to 567 Chapter 24;
   b. Compliance test methods specified in 567 Chapter 25; or
   c. Testing or monitoring methods approved for the source in a construction permit issued pursuant to 567 Chapter 24.
2. The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:
   a. Any monitoring or testing methods provided in these rules; or
   b. Other testing, monitoring, or information gathering methods that produce information comparable to that produced by any method in subrule 21.5(1) or this subrule. 567 IAC 21.5(1)-567 IAC 21.5(2) and LCO Sec. 10-69(1)

G12. Prevention of Accidental Release: Risk Management Plan Notification and Compliance Certification

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Act, the permittee shall notify the department of this requirement. The plan shall be filed with all appropriate authorities by the deadline specified by EPA. A certification that this risk management plan is being properly implemented shall be included in the annual compliance certification of this permit. 567 IAC 24.108(6)

G13. Hazardous Release

The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity, strength and toxicity of the substance, creates an immediate or potential danger to the public health, safety or to the environment. A verbal report shall be made to the department at (515) 725-8694 and to the local police department or the office of the sheriff of the affected county as soon as possible but not later than six hours after the discovery or onset of the condition. This verbal report must be followed up with a written report as indicated in 567 IAC 131.2(2). 567 IAC Chapter 131-State Only

G14. Excess Emissions and Excess Emissions Reporting Requirements

1. Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does not require the shutdown of the process

equipment shall be limited to one six-minute period per one-hour period. An incident of excess emission (other than an incident during startup, shutdown or cleaning of control equipment) is a violation. If the owner or operator of a source maintains that the incident of excess emission was due to a malfunction, the owner or operator must show that the conditions which caused the incident of excess emission were not preventable by reasonable maintenance and control measures. Determination of any subsequent enforcement action will be made following review of this report. If excess emissions are occurring, either the control equipment causing the excess emission shall be repaired in an expeditious manner or the process generating the emissions shall be shutdown within a reasonable period of time. An expeditious manner is the time necessary to determine the cause of the excess emissions and to correct it within a reasonable period of time. A reasonable period of time is eight hours plus the period of time required to shut down the process without damaging the process equipment or control equipment. A variance from this subrule may be available as provided for in Iowa Code section 455B.143. In the case of an electric utility, a reasonable period of time is eight hours plus the period of time until comparable generating capacity is available to meet consumer demand with the affected unit out of service, unless, the director shall, upon investigation, reasonably determine that continued operation constitutes an unjustifiable environmental hazard and issue an order that such operation is not in the public interest and require a process shutdown to commence immediately.

2. Excess Emissions Reporting
   a. Initial Reporting of Excess Emissions. An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 25.1(6). An initial report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 25.1(1)) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable emission standard by more than 10 percent or the applicable visible emission standard by more than 10 percent opacity. The initial report may be made by electronic mail (E-mail), in person, or by telephone and shall include as a minimum the following:
      i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.
      ii. The estimated quantity of the excess emission.
      iii. The time and expected duration of the excess emission.
      iv. The cause of the excess emission.
      v. The steps being taken to remedy the excess emission.
      vi. The steps being taken to limit the excess emission in the interim period.
   b. Written Reporting of Excess Emissions. A written report of an incident of excess emission shall be submitted as a follow-up to all required initial reports to the department within seven days of the onset of the upset condition, and shall include as a minimum the following:
      i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.
      ii. The estimated quantity of the excess emission.
      iii. The time and duration of the excess emission.

iv. The cause of the excess emission.
v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.
vi. The steps that were taken to limit the excess emission.
vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. 567 IAC 21.7(1)-567 IAC 21.7(4) and LCO Sec. 10-67

G15. Permit Deviation Reporting Requirements

A deviation is any failure to meet a term, condition or applicable requirement in the permit. Reporting requirements for deviations that result in a hazardous release or excess emissions have been indicated above (see G13 and G14). Unless more frequent deviation reporting is specified in the permit, any other deviation shall be documented in the semi-annual monitoring report and the annual compliance certification (see G4 and G5). 567 IAC 24.108(5)"b"

G16. Notification Requirements for Sources That Become Subject to NSPS and NESHAP Regulations

During the term of this permit, the permittee must notify the department of any source that becomes subject to a standard or other requirement under 567-subrule 23.1(2) (standards of performance of new stationary sources) or section 111 of the Act; or 567-subrule 23.1(3) (emissions standards for hazardous air pollutants), 567-subrule 23.1(4) (emission standards for hazardous air pollutants for source categories) or section 112 of the Act. This notification shall be submitted in writing to the department pursuant to the notification requirements in 40 CFR Section 60.7, 40 CFR Section 61.07, and/or 40 CFR Section 63.9. 567 IAC 23.1(2), 567 IAC 23.1(3), 567 IAC 23.1(4) This notification must be made to Linn County Air Quality Division, in lieu of the Department, upon adoption of the NSPS or NESHAP into Chapter 10.

G17. Requirements for Making Changes to Emission Sources That Do Not Require Title V Permit Modification

1. Off Permit Changes to a Source. Pursuant to section 502(b)(10) of the CAAA, the permittee may make changes to this installation/facility without revising this permit if:
   a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 24.
   b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);
   c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);
   d. The changes are not subject to any requirement under Title IV of the Act (revisions affecting Title IV permitting are addressed in rules 567—24.140(455B) through 567 - 24.144(455B));.
   e. The changes comply with all applicable requirements.
   f. For each such change, the permitted source provides to the department and the administrator by certified mail, at least 30 days in advance of the proposed change, a written notification, including the following, which must be attached to the permit by the source, the department and the administrator:
      i. A brief description of the change within the permitted facility,
      ii. The date on which the change will occur,
      iii. Any change in emission as a result of that change,
      iv. The pollutants emitted subject to the emissions trade

v. If the emissions trading provisions of the state implementation plan are invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.
vi. A description of the trading of emissions increases and decreases for the purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and
viii. Any permit term or condition no longer applicable as a result of the change. 567 IAC 24.110(1)

2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. 567 IAC 24.110(2)
3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 24.110(1). 567 IAC 24.110(3)
4. The permit shield provided in subrule 24.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. 567 IAC 24.110(4)
5. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. 567 IAC 24.108(11)

G18. Duty to Modify a Title V Permit

1. Administrative Amendment.
   a. An administrative permit amendment is a permit revision that does any of the following:
      i. Correct typographical errors;
      ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;
      iii. Require more frequent monitoring or reporting by the permittee; or
      iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittee has been submitted to the director.
   b. The permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. The request shall be submitted to the director.
   c. Administrative amendments to portions of permits containing provisions pursuant to Title IV of the Act shall be governed by regulations promulgated by the administrator under Title IV of the Act.
2. Minor Title V Permit Modification.
   a. Minor Title V permit modification procedures may be used only for those permit modifications that satisfy all of the following:
      i. Do not violate any applicable requirement;
      ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit;

iii. Do not require or change a case by case determination of an emission limitation or other standard, or an increment analysis;
iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act;
v. Are not modifications under any provision of Title I of the Act; and
vi. Are not required to be processed as significant modification under rule 567 - 24.113(455B).

b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:
i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
ii. The permittee's suggested draft permit;
iii. Certification by a responsible official, pursuant to 567 IAC 24.107(4), that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used; and
iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 24.107(7).

c. The permittee may make the change proposed in its minor permit modification application immediately after it files the application. After the permittee makes this change and until the director takes any of the actions specified in 567 IAC 24.112(4) "a" to "c", the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time, the permittee need not comply with the existing permit terms and conditions it seeks to modify. However, if the permittee fails to comply with its proposed permit terms and conditions during this time period, the existing permit terms and conditions it seeks to modify may be enforced against the facility.

3. Significant Title V Permit Modification.
a. Significant Title V modification procedures shall be used for applications requesting Title V permit modifications that do not qualify as minor Title V modifications or as administrative amendments. These include but are not limited to all significant changes in monitoring permit terms, every relaxation of reporting or recordkeeping permit terms, and any change in the method of measuring compliance with existing requirements. Significant Title V modifications shall meet all requirements of 567 IAC Chapter 24, including those for applications, public participation, review by affected states, and review by the administrator, as those requirements that apply to Title V issuance and renewal.
b. The permittee shall submit an application for a significant permit modification not later than three months after commencing operation of the changed source unless the existing Title V permit would prohibit such construction or change in operation, in which event the operation of the changed source may not commence until the department revises the permit. 567 IAC 24.111-567 IAC 24.113

G19. Duty to Obtain Construction Permits

Unless exempted in 567 IAC 24.1(2) or to meet the parameters established in 567 IAC 24.1(1)"c", the permittee shall not construct, install, reconstruct or alter any equipment, control equipment or anaerobic lagoon without first obtaining a construction permit, or conditional permit, or permit pursuant to rule 567 IAC 22.8, or permits required pursuant to rules 567 IAC 22.4, 567 IAC 22.5, 567 IAC 31.3, and 567 IAC 33.3 as required in 567 IAC 22.1(1). A permit shall be obtained prior to the initiation of construction, installation or alteration of any portion of the stationary source or anaerobic lagoon. 567 IAC 22.1(1) and LCCO Sec. 10-58

G20. Asbestos

The permittee shall comply with 567 IAC 23.1(3)"a", and 567 IAC 23.2(3)"g" when activities involve asbestos mills, surfacing of roadways, manufacturing operations, fabricating, insulating, waste disposal, spraying applications, demolition and renovation operations (567 IAC 23.1(3)"a"); training fires and controlled burning of a demolished building (567 IAC 23.2).

G21. Open Burning

The permittee is prohibited from conducting open burning, except as provided in LCCO Sec. 10-63.

G22. Acid Rain (Title IV) Emissions Allowances

The permittee shall not exceed any allowances that it holds under Title IV of the Act or the regulations promulgated there under. Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners and operators of the unit or the designated representative of the owners and operators is prohibited. Exceedances of applicable emission rates are prohibited. "Held" in this context refers to both those allowances assigned to the owners and operators by USEPA, and those allowances supplementally acquired by the owners and operators. The use of any allowance prior to the year for which it was allocated is prohibited. Contravention of any other provision of the permit is prohibited. 567 IAC 24.108(7)

G23. Stratospheric Ozone and Climate Protection (Title VI) Requirements

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
    a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.
    b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.
    c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.
    d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.
2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:
    a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.
    b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.

c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.
d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)
e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.
f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.

3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.
4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant,
5. The permittee shall be allowed to switch from any ozone-depleting or greenhouse gas generating substances to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. 40 CFR part 82

G24. Permit Reopenings

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. 567 IAC 24.108(9)"c"
2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.
   a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;
   b. Reopening and revision on this ground is not required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to May 15, 2001.
   c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. 567 IAC 24.108(17)"a", 567 IAC 24.108(17)"b"
3. A permit shall be reopened and revised under any of the following circumstances:
   a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to July 21, 1992, provided that the reopening may be stayed pending judicial review of that determination;

b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;
c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.
d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.
e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. 567 IAC 24.114

4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. 567 IAC 24.114
5. A notice of intent shall be provided to the Title V source at least 30 days in advance of the date the permit is to be reopened, except that the director may provide a shorter time period in the case of an emergency. 567 IAC 24.114

G25. Permit Shield

1. The director may expressly include in a Title V permit a provision stating that compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that:
   a. Such applicable requirements are included and are specifically identified in the permit; or
   b. The director, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the source, and the permit includes the determination or a concise summary thereof.
2. A Title V permit that does not expressly state that a permit shield exists shall be presumed not to provide such a shield.
3. A permit shield shall not alter or affect the following:
   a. The provisions of Section 303 of the Act (emergency orders), including the authority of the administrator under that section;
   b. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
   c. The applicable requirements of the acid rain program, consistent with Section 408(a) of the Act;
   d. The ability of the department or the administrator to obtain information from the facility pursuant to Section 114 of the Act. 567 IAC 24.108 (18)

G26. Severability

The provisions of this permit are severable and if any provision or application of any provision is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding. 567 IAC 24.108 (8)

G27. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege. 567 IAC 24.108 (9)"d"

G28. Transferability

This permit is not transferable from one source to another. If title to the facility or any part of it is transferred, an administrative amendment to the permit must be sought consistent with the requirements of 567 IAC 24.111(1). 567 IAC 24.111 (1)"d"

G29. Disclaimer

No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. 567 IAC 22.3(3)"c"

G30. Notification and Reporting Requirements for Stack Tests or Monitor Certification

The permittee shall notify the department's stack test contact in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor is performed to determine compliance with applicable requirements of 567 – Chapter 23 or a permit condition. Such notice shall include the time, the place, the name of the person who will conduct the test and other information as required by the department. If the owner or operator does not provide timely notice to the department, the department shall not consider the test results or performance evaluation results to be a valid demonstration of compliance with applicable rules or permit conditions. Upon written request, the department may allow a notification period of less than 30 days. At the department's request, a pretest meeting shall be held not later than 15 days prior to conducting the compliance demonstration. A testing protocol shall be submitted to the department no later than 15 days before the owner or operator conducts the compliance demonstration. A representative of the department shall be permitted to witness the tests. Results of the tests shall be submitted in writing to the department's stack test contact in the form of a comprehensive report within six weeks of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which the source shall be operated. In cases where compliance is to be demonstrated at less than the maximum continuous output as rated by the equipment manufacturer, and it is the owner's intent to limit the capacity to that rating, the owner may submit evidence to the department that the source has been physically altered so that capacity cannot be exceeded, or the department may require additional testing, continuous monitoring, reports of operating levels, or any other information deemed necessary by the department to determine whether such source is in compliance.

Stack test notifications, reports and correspondence shall be sent to:

Linn County Public Health
Air Quality Division
1020 6th St. SE
Cedar Rapids, IA 52401
(319) 892-6000

567 IAC 25.1(7)"a", 567 IAC 25.1(9) and LCCO Sec. 10-70

G31. Prevention of Air Pollution Emergency Episodes

The permittee shall comply with the provisions of 567 IAC Chapter 26 in the prevention of excessive build-up of air contaminants during air pollution episodes, thereby preventing the occurrence of an emergency due to the effects of these contaminants on the health of persons. 567 IAC 26.1(1)

G32. Contacts List

The current address and phone number for reports and notifications to the EPA administrator is:

Iowa Compliance Officer
Air Branch
Enforcement and Compliance Assurance Division
U.S. EPA Region 7
Air Permits and Compliance Branch
11201 Renner Blvd.
Lenexa, KS 66219
(913) 551-7020

The current address and phone number for reports and notifications to the department or the Director is:

Chief, Air Quality Bureau
Iowa Department of Natural Resources
6200 Park Avenue
Suite 200
Des Moines, IA 50319-0034
(515) 725-8200

Reports or notifications to the Linn County local program shall be directed to the supervisor at the Linn County local program. The current address and phone number is:

Linn County Public Health
Air Quality Division
1020 6th Street SE
Cedar Rapids, IA 52401
(319) 892-6000

Appendix A: 567 IAC Crosswalk

Table 54. Crosswalk Chapters List

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
20	20 (Reserved)	Scope of Title – Definitions	N/A	**Definitions moved** to Ch. 21, 22, & 23 **Rescinded** Ch. 20 (Reserved)
21	21	Compliance	Compliance, Excess Emissions, and Measurement of Emissions	**Kept and Combined** with rules from Ch. 24, 25, 26, & 29.
22	22	Controlling Pollution-Permits	Controlling Air Pollution – Construction Permitting	**Kept construction permit rules and combined** with Ch. 20 (definitions) and Ch. 28 (NAAQS) **Moved operating permit rules** to Ch. 24
22.100 – 22.300(12)	(New) 24	N/A	Operating Permits	**Moved operating permit rules** from Ch. 22 to Ch. 24
23	23	Emission Standards	Air Emission Standards	**Kept**
24	(New) 21	Excess Emissions	Compliance, Excess Emissions, and Measurement of Emissions	**Moved rules and combined** with Ch. 21 **Moved TV rules** here (to Ch. 24)
25	(New) 21	Emissions Measurement	Compliance, Excess Emissions, and Measurement of Emissions	**Moved rules and combined** with Ch. 21 **Rescinded** Ch. 25 (Reserved)
26	(New) 21	Emergency Air Pollution Episodes	Compliance, Excess Emissions, and Measurement of Emissions	**Moved rules and combined** with Ch. 21 **Rescinded** Ch. 26 (Reserved)
27	27	Local Program Acceptance	Local Program Acceptance	**Kept**
28	22	NAAQS	N/A	**Moved rules and combined** with Ch. 22 **Rescinded** Ch. 28 (Reserved)
29	(New) 21	Opacity Qualifications	Compliance, Excess Emissions, and Measurement of Emissions	**Moved rules and combined** with Ch. 21 **Rescinded** Ch. 29 (Reserved)
30	30	Fees	Fees	**Kept**
31	31	Nonattainment Areas	Nonattainment New Source Review	**Kept**

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
32	N/A	AFO Field Study	N/A	**Rescinded** Ch. 32 (Reserved)
33	33	Special regulations and construction permit requirements for major stationary sources—Prevention of Significant Deterioration (PSD) of air quality	Construction permit requirements for major stationary sources—Prevention of Significant Deterioration (PSD)	**Kept**
34	N/A	Emission Trading-CAIR-CAMR	N/A	**Rescinded** Ch. 34 (Reserved)
35	N/A	Grant Assistance Programs	N/A	**Rescinded** Ch 35 (Reserved)

Table 55. Crosswalk Rules List

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
Chapter 20				
20	20 (Reserved)	Scope of Title - Definitions	N/A	**Definitions moved** to Ch. 21, 22 and 23 **Rescinded** Ch. 20. (Reserved)
20.1	N/A	Scope of title	N/A	
20.2	Ch. 21, 22, 23	Definitions	Definitions	See beginning of Ch. 21, 22, and 23
20.3	N/A	Air quality forms generally	N/A	
Chapter 21				
21	**21**	**Compliance**	**Compliance, Excess Emissions, and Measurement of Emissions**	**Kept and combined** with rules from Chapters 24, 25, 26, and 29.
21.1	21.1	Compliance Schedule	Definitions and compliance requirements	Added definitions from Ch. 21, some language updated
21.2	21.2	Variances	Variances	Some language updated
21.3	21.3	Emission reduction program	Reserved	Reserved
21.4	21.4	Circumvention of rules	Circumvention of rules	Minor language updated
21.5	21.5	Evidence used in establishing that a violation has or is occurring	Evidence used in establishing that a violation has occurred or is occurring	21.5(2) Reserved, some language updated

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
21.6	21.6	Temporary electricity generation for disaster situations	Temporary electricity generation for disaster situations	Minor language updated
24.1	21.7	Excess emission reporting	Excess emission reporting	Moved from Ch. 24, some language updated
24.2	21.8	Maintenance and repair requirements	Maintenance and repair requirements	Moved from Ch. 24, some language updated
N/A	21.9	N/A	Compliance with other requirements	New language
25.1	21.10	Testing and sampling of new and existing equipment	Testing and sampling of new and existing equipment	Moved from Ch. 25, some language updated
25.2	21.11	Continuous emission monitoring under the acid rain program	Continuous emission monitoring under the acid rain program	Moved from Ch. 25, some language updated
25.3	N/A	Mercury emissions testing and monitoring	N/A	Rescinded. Except 25.3(5)
25.3(5)	21.12	Affected sources subject to Section 112(g)	Affected sources subject to Section 112(g)	Moved from Ch. 25, some language updated
29.1	21.13	Methodology and qualified observer	Methodology and qualified observer	Moved from Ch. 29, some language updated
26.1	21.14	Prevention of air pollution emergency episodes - General	Prevention of air pollution emergency episodes	Moved from Ch. 26, some language updated
26.2	21.15	Episode criteria	Episode criteria	Moved from Ch. 26, some language updated
26.3	21.16	Preplanned abatement strategies	Preplanned abatement strategies	Moved from Ch. 26, some language updated
26.4	21.17	Actions taken during episodes	Actions taken during episodes	Moved from Ch. 26, some language updated
Ch 26 Table III	Table I	Abatement strategies emission reduction actions alert level	Abatement strategies emission reduction actions alert level	Moved from Ch. 26, reference federal appendix table

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
Ch 26 Table IV	Table II	Abatement strategies emission reduction actions warning level	Abatement strategies emission reduction actions warning level	Moved from Ch. 26, reference federal appendix table
Chapter 22				
22	**22**	**Controlling Pollution-Permits**	**Controlling Air Pollution - Construction Permitting**	**Kept construction permit rules and combined** with Ch. 20 (definitions) and Ch. 28 (NAAQS). **Moved operating permit rules** to Chapter 24.
22.1	22.1	Permits required for new or existing stationary sources	Definitions and permit requirements for new or existing stationary sources	Added definitions from Ch. 20, some language updated
22.2	22.2	Processing permit applications	Processing permit applications	
22.3	22.3	Issuing permits	Issuing permits	
22.4	22.4	Special requirements for major stationary sources located in areas designated attainment or unclassified (PSD)	Major stationary sources located in areas designated attainment or unclassified (PSD)	
22.5	22.5	Special requirements for nonattainment areas	Major stationary sources located in areas designated Nonattainment	
22.7	22.7	Alternative emission control program	Alternative emission control program	
22.8	22.8	Permit by rule	Permit by rule	
22.9	22.9	Special requirements for visibility protection	Special requirements for visibility protection	A lot of language updated or removed

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
22.10	22.10	Permitting requirements for country grain elevators, country grain terminal elevators, grain terminal elevators and feed mill equipment	Permitting requirements for country grain elevators, country grain terminal elevators, grain terminal elevators and feed mill equipment	
28.1	22.11	Ambient air quality standards - Statewide standards	Ambient air quality standards	Moved from Ch. 28, minor language updated
22.12 to 22.99	N/A	Reserved	N/A	Removed
22.100 - 22.300(12)	**(New) 24**	**N/A**	**Operating Permits**	**Moved operating permit rules** from Ch. 22 to Ch. 24.
22.100	24.100	Definitions for Title V operating permits	Definitions for Title V operating permits	Moved from Ch. 22, some language updated, many 40 CFR 70 definitions adopted by reference
22.101	24.101	Applicability of Title V operating permit requirements	Applicability of Title V operating permit requirements	Moved from Ch. 22, some language updated to correct punctuation and remove old dates
22.102	24.102	Source category exemptions	Source category exemptions	Moved from Ch. 22, some language updated to correct punctuation
22.103	24.103	Insignificant activities	Insignificant activities	Moved from Ch. 22, some language updated to correct typos and remove old dates
22.104	24.104	Requirement to have a Title V permit	Requirement to have a Title V permit	Moved from Ch. 22, some language updated no changes to rule text
22.105	24.105	Title V permit applications	Title V permit applications	Moved from Ch. 22, updated language to address electronic submissions and remove past application due dates
22.106	24.106	Annual Title V emissions inventory	Annual Title V emissions inventory	Moved from Ch. 22, no changes to rule text
22.107	24.107	Title V permit processing procedures	Title V permit processing procedures	Moved from Ch. 22, some language updated to update locations of public records and remove old CFR amendment dates

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
22.108	24.108	Permit content	Permit content	Moved from Ch. 22, some language updated to correct punctuation, remove old dates, and adopt 40 CFR 70 rules by reference
22.109	24.109	General permits	General permits	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.110	24.110	Changes allowed without a Title V permit revision (off-permit revisions)	Changes allowed without a Title V permit revision (off-permit revisions)	Moved from Ch. 22, some language updated to remove redundant language
22.111	24.111	Administrative amendments to Title V permits	Administrative amendments to Title V permits	Moved from Ch. 22, no changes to rule text
22.112	24.112	Minor Title V permit modifications	Minor Title V permit modifications	Moved from Ch. 22, no changes to rule text
22.113	24.113	Significant Title V permit modifications	Significant Title V permit modifications	Moved from Ch. 22, no changes to rule text
22.114	24.114	Title V permit reopenings	Title V permit re-openings	Moved from Ch. 22 to Ch. 24, some language updated to adopt 40 CFR 70 rules by reference
22.115	24.115	Suspension, termination, and revocation of Title V permits	Suspension, termination, and revocation of Title V permits	Moved from Ch. 22, no changes to rule text
22.116	24.116	Title V permit renewals	Title V permit renewals	Moved from Ch. 22, no changes to rule text
22.117-22.119	24.117-24.119	Reserved	Reserved	Moved from Ch. 22, no changes to rule text
22.120	24.120	Acid rain program—definitions	Acid rain program—definitions	Moved from Ch. 22, some language updated to remove old CFR amendment dates and address electronic submissions
22.121	24.121	Measurements, abbreviations, and acronyms	Reserved	Moved from Ch. 22, no changes to rule text
22.122	24.122	Applicability	Applicability	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
22.123	24.123	Acid rain exemptions	Acid rain exemptions	Moved from Ch. 22, some language updated to correct punctuation
22.124	24.124	Retired units exemption	Reserved	Moved from Ch. 22, no changes to rule text
22.125	24.125	Standard requirements	Standard requirements	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.126	24.126	Designated representative—submissions	Designated representative—submissions	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.127	24.127	Designated representative—objections	Designated representative—objections	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.128	24.128	Acid rain applications—requirement to apply	Acid rain applications—requirement to apply	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.130	24.130	Acid rain permit application shield and binding effect of permit application	Acid rain permit application shield and binding effect of permit application	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.131	24.131	Acid rain compliance plan and compliance options—general	Acid rain compliance plan and compliance options—general	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.132	24.132	Repowering extensions	Reserved	Moved from Ch. 22, no changes to rule text
22.133	24.133	Acid rain permit contents—general	Acid rain permit contents—general	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.134	24.134	Acid rain permit shield	Acid rain permit shield	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.135	24.135	Acid rain permit issuance procedures—general	Acid rain permit issuance procedures—general	Moved from Ch. 22, no changes to rule text
22.136	24.136	Acid rain permit issuance procedures—completeness	Acid rain permit issuance procedures—completeness	Moved from Ch. 22, no changes to rule text
22.137	24.137	Acid rain permit issuance procedures—statement of basis	Acid rain permit issuance procedures—statement of basis	Moved from Ch. 22, no changes to rule text

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
22.138	24.138	Issuance of acid rain permits	Issuance of acid rain permits	Moved from Ch. 22, some language updated to remove old dates and deadlines
22.139	24.139	Acid rain permit appeal procedures	Acid rain permit appeal procedures	Moved from Ch. 22, no changes to rule text
22.140	24.140	Permit revisions—general	Permit revisions—general	Moved from Ch. 22, some language updated to remove old dates
22.141	24.141	Permit modifications	Permit modifications	Moved from Ch. 22, no changes to rule text
22.142	24.142	Fast-track modifications	Fast-track modifications	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.143	24.143	Administrative permit amendment	Administrative permit amendment	Moved from Ch. 22, some language updated to remove fax option
22.144	24.144	Automatic permit amendment	Automatic permit amendment	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.145	24.145	Permit reopenings	Permit re-openings	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.146	24.146	Compliance certification—annual report	Compliance certification—annual report	Moved from Ch. 22, no changes to rule text
22.147	24.147	Compliance certification—units with repowering extension plans	Reserved	Moved from Ch. 22, no changes to rule text
22.148	24.148	Sulfur dioxide opt-ins	Sulfur dioxide opt-ins	Moved from Ch. 22, some language updated to update the 40 CFR Part 74 amendment date
22.149 - 22.199	24.149 - 24.299	Reserved	Reserved	Moved from Ch. 22, no changes to rule text
22.200	24.200 - 24.299	Definitions for voluntary operating permits	Reserved	Moved from Ch. 22, no changes to rule text
22.201	24.200 - 24.299	Eligibility for voluntary operating permits	Reserved	Moved from Ch. 22, no changes to rule text
22.203	24.200 - 24.299	Voluntary operating permit applications	Reserved	Moved from Ch. 22, no changes to rule text

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
22.204	24.200 - 24.299	Voluntary operating permit fees	Reserved	Moved from Ch. 22, no changes to rule text
22.205	24.200 - 24.299	Voluntary operating permit processing procedures	Reserved	Moved from Ch. 22, no changes to rule text
22.206	24.200 - 24.299	Permit content	Reserved	Moved from Ch. 22, no changes to rule text
22.207	24.200 - 24.299	Relation to construction permits	Reserved	Moved from Ch. 22, no changes to rule text
22.208	24.200 - 24.299	Suspension, termination, and revocation of voluntary operating permits	Reserved	Moved from Ch. 22, no changes to rule text
22.209	24.200 - 24.299	Change of ownership for facilities with voluntary operating permits	Reserved	Moved from Ch. 22, no changes to rule text
22.210 - 22.299	24.200 - 24.299	Reserved	Reserved	Moved from Ch. 22, no changes to rule text
Chapter 23				
23	**23**	**Emission Standards**	**Air Emission Standards**	**Kept**
23.1	23.1	Emission standards	Emission standards	Kept, language updated, tables used
23.2	23.2	Open burning	Open burning	Kept, some language updated
23.3	23.3	Specific contaminants	Specific contaminants	Kept, some language updated
23.4	23.4	Specific processes	Specific processes	Kept, some language updated
23.5	23.5	Anaerobic lagoons	Anaerobic lagoons	Kept, some language updated
23.6	23.6	Alternative emission limits (the “bubble concept”)	Reserved	Removed
Chapter 24				
24	**(New) 21**	**Excess Emissions**	**Compliance, Excess Emissions, and Measurement of Emissions**	**Moved rules and combined** with Ch. 21. **Moved operating permit rules** here (to Ch. 24)**.**
24.1	21.7	Excess emission reporting	Excess emission reporting	Moved from Ch. 24, some language updated

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
24.2	21.8	Maintenance and repair requirements	Maintenance and repair requirements	Moved from Ch. 24, some language updated
Chapter 25				
25	**(New) 21**	**Emissions Measurement**	**Compliance, Excess Emissions, and Measurement of Emissions**	**Moved rules and combined** with Ch. 21. **Rescinded** Ch. 25. (Reserved)
25.1	21.10	Testing and sampling of new and existing equipment	Testing and sampling of new and existing equipment	Moved from Ch. 25, some language updated
25.2	21.11	Continuous emission monitoring under the acid rain program	Continuous emission monitoring under the acid rain program	Moved from Ch. 25, some language updated
25.3		Mercury emissions testing and monitoring	N/A	Rescinded. Except 25.3(5)
25.3(5)	21.12	Affected sources subject to Section 112(g)	Affected sources subject to Section 112(g)	Moved from Ch. 25, some language updated
Chapter 26				
26	**(New) 21**	**Emergency Air Pollution Episodes**	**Compliance, Excess Emissions, and Measurement of Emissions**	**Moved rules and combined** with Ch. 21. **Rescinded** Ch. 26. (Reserved)
26.1	21.14	Prevention of air pollution emergency episodes - General	Prevention of air pollution emergency episodes	Moved from Ch. 26, some language updated
26.2	21.15	Episode criteria	Episode criteria	Moved from Ch. 26, some language updated
26.3	21.16	Preplanned abatement strategies	Preplanned abatement strategies	Moved from Ch. 26, some language updated
26.4	21.17	Actions taken during episodes	Actions taken during episodes	Moved from Ch. 26, some language updated
Ch 26 Table III	Table I	Abatement strategies emission reduction actions alert level	Abatement strategies emission reduction actions alert level	Moved from Ch. 26, reference federal appendix table
Ch 26 Table IV	Table II	Abatement strategies emission reduction actions warning level	Abatement strategies emission reduction actions warning level	Moved from Ch. 26, reference federal appendix table

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
Ch 26 Table V	Table III	Abatement strategies emission reduction actions emergency level	Abatement strategies emission reduction actions emergency level	Moved from Ch. 26, reference federal appendix table
Chapter 27				
27	**27**	**Local Program Acceptance**	**Local Program Acceptance**	**Kept**
27.1	27.1	General	General	Kept, some language updated
27.2	27.2	Certificate of acceptance	Certificate of acceptance	Kept, some language updated
27.3	27.3	Ordinance or regulations	Ordinance or regulations	Kept, some language updated
27.4	27.4	Administrative organization	Administrative organization	Kept, some language updated
27.5	27.5	Program activities	Program activities	Kept, some language updated
Chapter 28				
28	**22**	**NAAQS**	**N/A**	**Moved rules and combined** with Ch. 22. **Rescinded** Ch. 28. (Reserved)
28.1	22.11	Ambient air quality standards - Statewide standards	Ambient air quality standards	**Moved from Ch. 28**, minor language updated **Rescinded** Ch. 28. (Reserved)
Chapter 29				
29	**(New) 21**	**Opacity Qualifications**	**Compliance, Excess Emissions, and Measurement of Emissions**	**Moved rules and combined** with Ch. 21. **Rescinded** Ch. 29. (Reserved)
29.1	21.13	Methodology and qualified observer	Methodology and qualified observer	Moved from Ch. 29, some language updated
Chapter 30				
30	**30**	**Fees**	**Fee**	**Kept**
30.1	30.1	Purpose	Purpose	Kept, language updated
30.2	30.2	Fees associated with new source review applications	Fees associated with new source review applications	Kept, some language updated
30.3	30.3	Fees associated with asbestos demolition or renovation notification	Fees associated with asbestos demolition or renovation notification	Kept, some language updated
30.4	30.4	Fees associated with Title V operating permits	Fees associated with Title V operating permits	Kept, some language updated

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
30.5	30.5	Fee advisory groups	Fee advisory groups	Kept, language updated
30.6	30.6	Process to establish or adjust fees and notification of fee rates	Process to establish or adjust fees and notification of fee rates	Kept, some language updated
30.7	30.7	Fee revenue	Reserved	Language removed
Chapter 31				
31	**31**	**Nonattainment Areas**	**Nonattainment New Source Review**	**Kept**
31.1	31.1	Permit requirements relating to nonattainment areas	Permit requirements relating to nonattainment areas	Kept, some language updated
31.2	31.2	Conformity of general federal actions to the Iowa state implementation plan or federal implementation plan - Rescinded	Reserved	Language removed
31.3	31.3	Nonattainment new source review requirements for areas designated nonattainment on or after May 18, 1998	Nonattainment new source review (NNSR) requirements for areas designated nonattainment	Kept, some language updated
31.4	31.4	Preconstruction review permit program	Preconstruction review permit program	Kept
31.5 - 31.8	31.5 - 31.8	Reserved	Reserved	Kept
31.9	31.9	Actuals PALs	Actuals PALs	Kept, some language updated
31.10	31.10	Validity of rules	Validity of rules	Kept
31.11 - 31.19	N/A	Reserved	N/A	Rescinded and removed
31.20	N/A	Special requirements for nonattainment areas designated before May 18, 1998	N/A	Rescinded and removed
Chapter 32				
32	**N/A**	**AFO Field Study**	**N/A**	**Rescinded** Ch. 32. (Reserved)

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
32.1	N/A	Animal feeding operations field study	N/A	Rescinded, reserved, and language removed
32.2	N/A	Definitions	N/A	Rescinded, reserved, and language removed
32.3	N/A	Exceedance of the health effects value (HEV) for hydrogen sulfide	N/A	Rescinded, reserved, and language removed
32.4	N/A	Exceedance of the health effects standard (HES) for hydrogen sulfide	N/A	Rescinded, reserved, and language removed
32.5	N/A	Iowa Air Sampling Manual	N/A	Rescinded, reserved, and language removed
Chapter 33				
33	**33**	**Special regulations and construction permit requirements for major stationary sources—Prevention of significant deterioration (PSD) of air quality**	**Construction permit requirements for major stationary sources—Prevention of significant deterioration (PSD)**	**Kept**
33.1	33.1	Purpose	Purpose	Kept, some language updated
33.2	33.2	Reserved	Reserved	Kept
33.3	33.3	Special construction permit requirements for major stationary sources in areas designated attainment or unclassified (PSD)	PSD construction permit requirements for major stationary sources	Kept, some language updated
33.4 - 33.8	33.4 - 33.8	Reserved	Reserved	Kept
33.9	33.9	Plantwide applicability limitations (PALs)	Plantwide applicability limitations (PALs)	Kept, some language updated
33.10	33.10	Exceptions to adoption by reference	Exceptions to adoption by reference	Kept, some language updated
Chapter 34				

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
34	**N/A**	**Emissions Trading-CAIR-CAMR**	**N/A**	**Rescinded** Ch. 34. (Reserved)
34.1	N/A	Purpose	N/A	Rescinded, reserved, and language removed
34.2 - 34.199	N/A	Reserved	N/A	Rescinded, reserved, and language removed
34.200	N/A	Provisions for air emissions trading and other requirements for the Clean Air Interstate Rule (CAIR) - rescinded	N/A	Rescinded, reserved, and language removed
34.201	N/A	CAIR NOx annual trading program general provisions - rescinded	N/A	Rescinded, reserved, and language removed
34.202	N/A	CAIR designated representative for CAIR NOx sources - rescinded	N/A	Rescinded, reserved, and language removed
34.203	N/A	Permits - rescinded	N/A	Rescinded, reserved, and language removed
34.204	N/A	Reserved	N/A	Rescinded, reserved, and language removed
34.205	N/A	CAIR NOx allowance allocations - rescinded	N/A	Rescinded, reserved, and language removed
34.206	N/A	CAIR NOx allowance tracking system - rescinded	N/A	Rescinded, reserved, and language removed
34.207	N/A	CAIR NOx allowance transfers - rescinded	N/A	Rescinded, reserved, and language removed
34.208	N/A	Monitoring and reporting - rescinded	N/A	Rescinded, reserved, and language removed
34.209	N/A	CAIR NOx opt-in units - rescinded	N/A	Rescinded, reserved, and language removed
34.210	N/A	CAIR SO2 trading program - rescinded	N/A	Rescinded, reserved, and language removed

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
34.211 - 34.219	N/A	Reserved	N/A	Rescinded, reserved, and language removed
34.220	N/A	CAIR NOx ozone season trading program - rescinded	N/A	Rescinded, reserved, and language removed
34.221	N/A	CAIR NOx ozone season trading program general provisions - rescinded	N/A	Rescinded, reserved, and language removed
34.222	N/A	CAIR designated representative for CAIR NOx ozone season sources - rescinded	N/A	Rescinded, reserved, and language removed
34.223	N/A	CAIR NOx ozone season permits - rescinded	N/A	Rescinded, reserved, and language removed
34.224	N/A	Reserved	N/A	Rescinded, reserved, and language removed
34.225	N/A	CAIR NOx ozone season allowance allocations - rescinded	N/A	Rescinded, reserved, and language removed
34.226	N/A	CAIR NOx ozone season allowance tracking system - rescinded	N/A	Rescinded, reserved, and language removed
34.227	N/A	CAIR NOx ozone season allowance transfers - rescinded	N/A	Rescinded, reserved, and language removed
34.228	N/A	CAIR NOx ozone season monitoring and reporting - rescinded	N/A	Rescinded, reserved, and language removed
34.229	N/A	CAIR NOx ozone season opt-in units - rescinded	N/A	Rescinded, reserved, and language removed
34.230 - 34.299	N/A	Reserved	N/A	Rescinded, reserved, and language removed

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
34.300	N/A	Provisions for air emissions trading and other requirements for the Clean Air Mercury Rule (CAMR) - rescinded	N/A	Rescinded, reserved, and language removed
34.301	N/A	Mercury (Hg) budget trading program general provisions - rescinded	N/A	Rescinded, reserved, and language removed
34.302	N/A	Hg designated representative for Hg budget sources - rescinded	N/A	Rescinded, reserved, and language removed
34.303	N/A	General Hg budget trading program permit requirements - rescinded	N/A	Rescinded, reserved, and language removed
34.304	N/A	Hg allowance allocations - rescinded	N/A	Rescinded, reserved, and language removed
34.305	N/A	Hg allowance tracking system - rescinded	N/A	Rescinded, reserved, and language removed
34.307	N/A	Monitoring and reporting - rescinded	N/A	Rescinded, reserved, and language removed
34.308	N/A	Performance specifications - rescinded	N/A	Rescinded, reserved, and language removed
Chapter 35				
35	**N/A**	**Grant Assistance Programs**	**N/A**	**Rescinded** Ch. 35. (Reserved)
35.1	N/A	Purpose	N/A	Rescinded, reserved, and language removed
35.2	N/A	Definitions	N/A	Rescinded, reserved, and language removed
35.3	N/A	Role of the department of natural resources	N/A	Rescinded, reserved, and language removed
35.4	N/A	Eligible projects	N/A	Rescinded, reserved, and language removed

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
35.5	N/A	Forms	N/A	Rescinded, reserved, and language removed
35.6	N/A	Project selection	N/A	Rescinded, reserved, and language removed
35.7	N/A	Funding sources	N/A	Rescinded, reserved, and language removed
35.8	N/A	Type of financial assistance	N/A	Rescinded, reserved, and language removed
35.9	N/A	Term of loans	N/A	Rescinded, reserved, and language removed
35.10	N/A	Reduced award	N/A	Rescinded, reserved, and language removed
35.11	N/A	Fund disbursement limitations	N/A	Rescinded, reserved, and language removed
35.12	N/A	Applicant cost share	N/A	Rescinded, reserved, and language removed
35.13	N/A	Eligible costs	N/A	Rescinded, reserved, and language removed
35.14	N/A	Ineligible costs	N/A	Rescinded, reserved, and language removed
35.15	N/A	Written agreement	N/A	Rescinded, reserved, and language removed

Appendix B: Applicable Federal Standards

A list of the promulgated NSPS and NESHAP rules, EPA Region 7 staff contact information (for questions pertaining to the rule), compliance assistance links, and a link to each NSPS and NESHAP can be found at the link below:

https://www.epa.gov/caa-permitting/air-technology-standards-region-7

40 CFR Part 60 – New Source Performance Standards

Subpart A –	General Provisions
Subpart Db –	Standards of Performance for Industrial, Commercial, Institutional Steam Generating Units
Subpart IIII –	Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

40 CFR Part 63 – National Emission Standards for Hazardous Air Pollutants

Subpart A –	General Provisions
Subpart ZZZZ –	National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
Subpart DDDDD –	National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters

Appendix C: Opacity Monitoring Summary

The facility shall check the opacity periodically when the emission units listed in Table 55 are at or near full capacity and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five (5) years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed, corrective action will be taken as soon as possible, but no later than eight (8) hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required.

If an opacity greater than the Opacity Limit from emission units listed in Table 55 is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight (8) hours from the observation of visible emissions. If weather conditions prevent the observer from conducing an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts during the required observation period have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Table 56. Opacity Monitoring

EP ID	EU ID	Opacity Limit[1]	Frequency
104	104	20%	Monthly
105	100, 100Fourdrinier	20%	Monthly
106	100, 100Fourdrinier	20%	Monthly
107	100, 100Fourdrinier	20%	Monthly
108	100, 100Fourdrinier	20%	Monthly
109	100, 100Fourdrinier	20%	Monthly
110	100, 100Fourdrinier	20%	Monthly
111	100, 100Press	20%	Monthly
112	100, 100Press	20%	Monthly
113	100, 100Press	20%	Monthly
114	100, 100Press	20%	Monthly
115	100, 100Press	20%	Monthly
116	100, 100Fourdrinier	20%	Monthly
117	100, 100Dress	20%	Monthly
118	100, 100Dress	20%	Monthly
119	100, 100Dress	20%	Monthly
120	100, 100Dress	20%	Monthly
121	100, 100Dress	20%	Monthly
122	100, 100Dress	20%	Monthly
123	100, 100Dress	20%	Monthly
124	100, 100Dress	20%	Monthly
131	100, 100Vacuum Trench	20%	Monthly
132	100, 100OCC	20%	Monthly
133	100, 100OCC	20%	Monthly
204	200, 200OCC	20%	Monthly
206	200, 200OCC	20%	Monthly
208	200, 200Fourdrinier	20%	Monthly
209	200, 200Fourdrinier	20%	Monthly

EP ID	EU ID	Opacity Limit[1]	Frequency
210	200, 200Fourdrinier	20%	Monthly
211	200, 200Fourdrinier	20%	Monthly
212	200, 200Fourdrinier	20%	Monthly
213	200, 200Fourdrinier	20%	Monthly
214	200, 200Fourdrinier	20%	Monthly
215	200, 200Fourdrinier	20%	Monthly
216	200, 200Fourdrinier	20%	Monthly
217	200, 200Fourdrinier	20%	Monthly
218	200, 200Press	20%	Monthly
219	200, 200Press	20%	Monthly
220	200, 200Press	20%	Monthly
221	200, 200Dryer	20%	Monthly
222	200, 200Dryer	20%	Monthly
223	200, 200Dryer	20%	Monthly
224	200, 200Dryer	20%	Monthly
225	200, 200Dryer	20%	Monthly
226	200, 200Dryer	20%	Monthly
227	200, 200Dryer	20%	Monthly
228	200, 200Dryer	20%	Monthly
231	200, 200Dryer8	20%	Monthly
232	200, 200Dryer8	20%	Monthly
233	200, 200Dryer8	20%	Monthly
248	200, 200Vacuum Trench	20%	Monthly
300	300	20%	Per event
301	301	20%	Per event
401	401	20%	Monthly
402	402	20%	Monthly
403	403	20%	Monthly
404	404	20%	Monthly
501A	501	20%	Monthly
501B	501	20%	Monthly
502	502	20%	Monthly
503	503	20%	Monthly

[1] Opacity limit listed in this table is the most restrictive of all applicable opacity limits.

Authority for Requirement: 567 IAC 24.108(14)

Iowa Department of Natural Resources
Draft Title V Operating Permit Fact Sheet

This document has been prepared to fulfill the public participation requirements of 40 CFR Part 70 and 567 Iowa Administrative Code (IAC) 22.107(6). 40 CFR Part 70 contains operating permit regulations pursuant to Title V of the Clean Air Act.

The Iowa Department of Natural Resources (DNR) finds that:

1. International Paper – Cedar River Mill, located at 4600 C Street SW, Cedar Rapids, IA 52404 has applied to renew their Title V Operating Permit. The designated responsible official of this facility is Derek Depuydt.
2. International Paper is a paperboard mill. This facility consists of 185 emission units with potential emissions of:

Pollutant	**Abbreviation**	**Potential Emissions** (Tons per Year)
Particulate Matter (≤ 2.5 μm)	$PM_{2.5}$	172.7
Particulate Matter (≤ 10 μm)	PM_{10}	172.7
Particulate Matter	PM	180.9
Sulfur Dioxide	SO_2	9.5
Nitrogen Oxides	NO_X	100.1
Volatile Organic Compounds	VOC	172.0
Carbon Monoxide	CO	99.5
Lead	Lead	0.02
Hazardous Air Pollutants [(1)]	HAP	102.2

[(1)] May include the following: acetaldehyde; acrolein; benzene; 1,3-butadiene; biphenyl; bromoform; carbon disulfide; formaldehyde; hexane; methanol; bromomethane; chloromethane; glycol ethers; 1,1,2-trichloroethane; naphthalene; phenol; propionaldehyde; toluene; vinyl acetate; xylenes; and compounds of mercury, beryllium, lead, arsenic, cadmium, chromium, cobalt, manganese, nickel, and selenium.

3. International Paper submitted a Title V Operating Permit renewal application on September 25, 2025, and additional information describing the facility on December 30, 2025, January 8, 2026, January 12, 2026, January 16, 2026, February 20, 2026, and February 27, 2026. Based on the information provided in these documents, DNR has made an initial determination that the facility meets all the applicable criteria for the issuance of an operating permit specified in 567 IAC 22.107.
4. DNR has complied with the procedures set forth in 567 IAC 22.107, including those regarding public notice, opportunity for public hearing, and notification of EPA and surrounding state and local air pollution programs.

DNR procedures for reaching a final decision on the draft permit:

1. The public comment period for the draft permit will run from May 7, 2026 through June 7, 2026. During the public comment period, anyone may submit written comments on the permit. Mail signed comments to Jason Keener at the Linn County address shown below. The beginning date of this public comment period also serves as the beginning of the U.S. Environmental Protection Agency's (EPA) 45-day review period, provided the EPA does not seek a separate review period.
2. Written requests for a public hearing concerning the permit may also be submitted during the comment period. Any hearing request must state the person's interest in the subject matter, and the nature of the issues proposed to be raised at the hearing. DNR will hold a public hearing upon finding, on the basis of requests, a significant degree of relevant public interest in a draft permit. Mail hearing requests to Jason Keener at the Linn County address shown below.
3. DNR and Linn County will keep a record of the issues raised during the public participation process and will prepare written responses to all comments received. The comments and responses will be compiled into a responsiveness summary document. After the close of the public comment period, DNR will make a final decision on the renewal application. The responsiveness summary and the final permit will be available to the public upon request.

   Jason Keener
   Linn County Public Health
   Air Quality Division
   1020 6th Street SE
   Cedar Rapids, IA 52401
   Phone: (319) 892-6011
   E-mail: Jason.Keener@linncountyiowa.gov

DNR concludes that:

1. DNR has authority under 455B.133 Code of Iowa to promulgate rules contained in 567 IAC Chapters 20-33, including, but not limited to, rules containing emission limits, providing for compliance schedules, compliance determination methods and issuance of permits.
2. DNR has the authority to issue operating permits for air contaminant sources and to include conditions in such permits under 455B.134 Code of Iowa.
3. The emission limits included in this permit are authorized by 455B.133 Code of Iowa and 567 IAC Chapters 20-33.
4. DNR is required to comply with 567 IAC Chapter 22 in conjunction with issuing a Title V Operating Permit.
5. The issuance of this permit does not preclude the DNR from pursuing enforcement action for any violation.

Permit Reviewer Notes
For the issuance of International Paper Cedar River Mill Renewal 2 Title V Operating Permit

Permitting Authority

Iowa Department of Natural Resources
Air Quality Bureau
6200 Park Ave, Suite 200
Des Moines, IA 50321

Applicant

International Paper Cedar River Mill
4600 C Street SW
Cedar Rapids, IA 52404

EIQ#: 92-9025
Facility File Number: 57-01-153

Permit Writer

Jason Keener
Air Permitting Engineer
Linn County Public Health
Air Quality Division
1020 6th Street SE
Cedar Rapids, IA 52401

Process Description and SIC/NAICS Codes

NAICS Description: Paperboard Mills
Principal NAICS Code: 322130
SIC Description: Paperboard Mills
Principal SIC Code: 2631

Attainment Status

International Paper Cedar River Mill operates in Cedar Rapids in Linn County, Iowa. The attainment status for these locations are provided below. Areas classified as attainment are those that meet all ambient air quality standards for a designated criteria pollutant. Visit EPAs SIP Status Tools website for the current status of any areas in Iowa designated as nonattainment.

Table 1 - Attainment Status

Pollutant	Concentration	Averaging Period	Attainment Status
$PM_{2.5}$	12.0 µg/m_3	Annual	Attainment
$PM_{2.5}$	35 µg/m_3	24-hour	Attainment
Ozone	0.070 ppm	8-hour	Attainment
SO_2	75 ppb	1-hour	Unclassifiable
SO_2	1,300 µg/m^3 | 0.5 ppm	3-hour	Attainment
CO	10 µg/m^3 | 9 ppm	8-hour	Attainment
CO	40 µg/m^3 | 35 ppm	1-hour	Attainment
NO_2	100 µg/m^3 | 0.053 ppm	Annual	Attainment
NO_2	100 ppb	1-hour	Attainment
Lead	015 µg/m^3	Rolling 3-month average	Attainment

Facility Compliance Status
The facility is currently in compliance with all applicable federal, state and local air pollution regulations.

Significant Changes since issuance of Renewal 2:

In addition to reformatting to comply with the Americans with Disabilities Act of 1990 (ADA), this renewal permit incorporates the construction permits for the following EP's:

92	(Replacement & Amendment)	251	(PTO issued)
104	(Amendment)	404	(Amendment)
249	(PTO issued)	408	(New EP)
250	(PTO issued)	409	(New EP)

The information below is the background information and review materials from the issuance of the renewal permit. It has been updated as applicable to reflect the changes noted above.

Background
International Paper has applied for a Part 70 Title V Operating Permit. The facility is a paperboard mill consisting of 153 insignificant emission units and 32 significant emission units.

Table 2 - Facility Contacts

International Paper Facility Contact	International Paper Facility Responsible Official[1]
Sherry Biggart EH&S Manager	Derek Depuydt Mill Manager
4600 C Street SW Cedar Rapids, IA 52404	4600 C Street SW Cedar Rapids, IA 52404
(319) 775-6127 sherry.biggart@ipaper.com	(319) 775-6185 derek.depuydt@ipaper.com

[1] Individual listed meets the requirements outlined in 567 IAC 22.100.

The company submitted its renewal application on September 25, 2025. Additional information was received on December 30, 2025; January 8, 2026; January 12, 2026; January 16, 2026; February 20, 2026, and February 27, 2026.

International Paper owns two facilities in the Cedar Rapids area—the Cedar River Mill (this facility) and the Cedar Rapids Container facility. The two facilities are separated by 4.7 miles and are not considered a single source.

Regulatory Status
The facility is defined as a major source according to 567 IAC 24.100 and LCCO Sec. 10-55 for the pollutants checked below. The addition of the two power boilers (EPs 408 and 409) have increased the NO_X potential to just over 100 tons per year (tpy). This is the first renewal period where NO_X emissions are major for Title V.

Table 3 - Regulatory Status

Pollutant	Major for Title V?
$PM_{2.5}$	☒
PM_{10}	☒
SO_2	☐

Pollutant	Major for Title V?
NO_X	☒
VOC	☒
CO	☐
Lead	☐
Individual HAP	☒
Total HAPs	☒

General Facility Requirements

NSPS (40 CFR Part 60)

Table 4 - NSPS (40 CFR Part 60)

NSPS Subpart	Affected Emission Unit(s)
A – General Provisions	All (listed below)
Db – Standards of Performance for Industrial, Commercial, Institutional Steam Generating Units	408, 409
IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines	90, 92

NESHAP (40 CFR Part 61)

Table 5 - NESHAP (40 CFR Part 61)

NESHAP Subpart	Affected Emission Unit(s)
M – Asbestos	Entire Facility – Demolition and Renovation Projects

NESHAP (40 CFR Part 63)

The facility is classified as a 'major' source of hazardous air pollutants. This facility has the potential to emit greater than 10 tons per year of a single HAP and/or greater than 25 tons per year of total combined HAP.

Table 6 - NESHAP (40 CFR Part 63)

NESHAP Subpart	Affected Emission Unit(s)
A – General Provisions	All (listed below)
ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	90, 91, 92
DDDDD – National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Industrial Boilers and Process Heaters	408, 409

The cooling towers are of the source category for Subpart Q (*National Emission Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers;* 40 CFR §63.400 – §63.407). However, these emission units are not subject because they do not meet the applicability criteria specified in 40 CFR 63.400. Specifically, chromium-based water treatment chemicals are not used.

PSD (40 CFR Part 52.21)

A major stationary source has the potential emissions of 100 tons/year or more of any PSD pollutant (PM,PM_{10}, NO_x, SO_2, VOC, CO, or Pb) if the source is one of the 28 listed in 40 CFR §52.21(b)(1)(i)(a) or its potential emissions are 250 tons/yr or greater for a PSD pollutant if the source is not one of the 28 listed. International Paper is not one of the 28 listed source categories, because the facility is not classified as a Kraft Pulp Mill. Furthermore, the installation of Power Boilers 1 & 2 (PB1, PB2) established a nested source within the facility with more than 250 million British thermal units per hour (MMBtu/hr) of heat input; however, these emission units have emission limits keeping them below the 100 tpy threshold for such sources.

The rest of International Paper currently operates under permit limitations keeping the allowable emissions below the applicable 250 ton per year thresholds.

112(r) (40 CFR Part 68)

The facility IS subject to 112(r) requirements.
A plant, factory, or other facility is subject to the provisions of Section 313 if it meets all three of the following criteria:

1) It is included in Standard Industrial Classification (SIC) code of 20; and
2) It has 10 or more full-time employees; and
3) It manufactures, imports, processes, or otherwise uses any of the EPCRA section 313 chemicals listed greater than the "threshold" quantity.

NAAQS (40 CFR Part 50)

The facility is located in an attainment area. Modeling is not required as part of the Title V permit review process; however, the facility most recently demonstrated compliance with the PM_{10}, $PM_{2.5}$, NO_2, and CO NAAQS during local project 5031 for the installation of the power boilers. The results of that model are summarized below.

Table 7 – Summary of Modeling Results from Project 5031

Pollutant	Averaging Period	Predicted Concentration[1] ($\mu g/m^3$)	Background Concentration ($\mu g/m^3$)	Total Concentration ($\mu g/m^3$)	NAAQS ($\mu g/m^3$)
PM_{10}	24-hour	15	54	69	150
$PM_{2.5}$	24-hour	13	20	33	35
	Annual	3	8	11	12
SO_2	1-hour		5		197
	3-hour		5		1,300
NO_2	1-hour	127.9	19	146.9	188.8
	Annual	8	4	12	100
CO	1-hour	45	5,200	5245	40,000
	8-hour	25	2,300	2325	10,000

[1] The short-term concentration is the highest-sixth-highest (PM_{10}) and highest-eighth-highest ($PM_{2.5}$ and NO_2) predicted value from all five years of meteorological data. The annual concentration is the highest average of the five predicted annual values at each receptor.

Title IV (40 CFR Part 72)

Pursuant to 40 CFR §72.6(a)(3) and (b)(8), and §72.7(a)(2) and (3), the power boilers (EPs 408 and 409) are not subject to the Acid Rain Program requirements.

Stratospheric Ozone (40 CFR Part 82)

The facility IS subject to the Stratospheric Ozone requirements (1990 Clean Air Act, as amended, Sections 601-618).

CAM (40 CFR Part 64)

There are no sources at the facility subject to CAM.

There are several sources identified by the CAM Calculations Form (DNR Form 542-1045) as being subject to CAM; however, CAM would not apply in each of the following cases for the reasons provided:

- Cationic Starch Silo (EU 300) and Size Press Starch Silo (EU 301) emit particulate matter almost exclusively during receiving events. The associated construction permit establish monitoring requirements for each receiving event are considered CAM-equivalent.
- Paper Machine #1 Mill Water Cooling Tower (EU 401) and Vacuum Cooling Tower (EU 402) are considered "controlled" for the purposes of calculating uncontrolled emissions, but the drift eliminators are considered "intrinsic" equipment for the purposes of determining CAM.
- Paper Machine #2 Mill Water Cooling Tower (EU 403) and Vacuum Cooling Tower (EU 404) are excluded from CAM for the same reason as the Paper Machine #1 cooling towers (EUs 401 and 402).

Facility O&M Plans Summary

The Cationic Starch Silo (EU 300) and Size Press Starch Silo (EU 301) meet the DNR's Periodic Monitoring Guidance criteria for Facility Operations & Maintenance Plan required for PM (controlled minor / uncontrolled major) and PM_{10} (controlled minor, uncontrolled significant). The previous renewal calculated the uncontrolled emissions based on a 0.005 gr/dscf emission rate at 1,000 scfm (which is 20x lower than the permitted emission limit); however, other facilities have calculated their uncontrolled emissions based on the established emission limit in the permit. To be consistent with other facilities, the emission limit was used to calculate the uncontrolled emissions in this renewal application. Regardless, the established operating limits, parametric monitoring range, and recordkeeping requirements are sufficient to satisfy the criteria established in 40 CFR 70.6(a)(3)(i)(b):

> *Where the applicable requirement does not require periodic testing or instrumental or noninstrumental monitoring (which may consist of recordkeeping designed to serve as monitoring), periodic monitoring sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the permit, as reported pursuant to paragraph (a)(3)(iii) of this section. Such monitoring requirements shall assure use of terms, test methods, units, averaging periods, and other statistical conventions consistent with the applicable requirement. Recordkeeping provisions may be sufficient to meet the requirements of this paragraph (a)(3)(i)(B) of this section;*

General Comments

A spreadsheet titled "9025R2_Calcs" has been developed which contains the majority of the information used to base decisions relevant to the issuance of this renewal Title V permit. These reviewer notes are intended to supplement the information contained in this spreadsheet. This spreadsheet includes the following tabs:

PTE-RULE,EF,UNCONTROLLED - Identifies each emission point, emission unit, control equipment, continuous monitoring system (if applicable), rated capacity, and permit numbers. Includes calculations of potential emissions based on the following

Rule: local, state or federal regulations (as applicable): Linn County Code of Ordinances, Iowa Administrative Code, and Code of Federal Regulations. In addition, the emissions are based on construction/operating (ATI/PTO) permit allowables, or by calculating the emission rate based on the equipment's rated capacity and published emission factors where no emission limit for a pollutant subject to regulation is listed and there is not an applicable Federal, State or Local regulation limiting the potential emissions. Lastly, the potential emissions may be based on a consent agreement or administrative order.

PTE EF: Includes calculations of potential emissions using published emission factors from webfire, AP-42, site-specific stack test data, or engineering estimates. Also includes emission factors provided by the facility, where applicable.

Uncontrolled: Includes calculations of uncontrolled potential emissions to determine which sources are major, significant or minor by estimating emissions pre-control for proposed monitoring requirements pursuant to DNR's periodic monitoring guidance.

Form 1.4 HAP – Summarizes the HAP reported in the 2024 EIQ and compares these values to the calculated HAP emissions from the PTE-RULE,EF,UNCONTROLLED tab.

2024 Actual Emissions - Summarizes the amount of emissions emitted from the facility in calendar year 2024, as reported in the 2024 EIQ.

Paper Machine HAP & VOC - Summarizes the emission factors established for the facility for the various equipment and processes at similar facilities and calculates the site-specific emissions based on these emission factors.

Paper Machine PM PM10 PM2.5 – Summarizes the emission factors established for the facility for the various equipment and processes at similar facilities and calculates the site-specific emission based on these emission factors.

Monitoring & Testing – Summarizes the opacity monitoring requirements established for each applicable emission point in the associated permits. Additionally, this tab summarizes the findings of the CAM applicability calculations and the DNR Periodic Monitoring Guidance.

EF References – Summarizes the AP-42 emission factors for equipment used at the facility.

Dates– Summarizes the applicable dates for the Title V operating permit (e.g., renewal deadline, expiration date, etc.).

Opacity Monitoring

The "Monitoring & Testing" tab identifies which sources require opacity monitoring. Monthly opacity monitoring is required on particulate-emitting sources at this facility as established in the associated permits. Specifically, the permits establish the requirement to observe the stacks monthly for "no visible emissions" remaining after water vapor has dissipated. The sources with opacity monitoring are in the table below:

Table 8 - Opacity Monitoring

EP	Description
104	Paper Machine #1 Pulper
105	Fourdrinier Exhaust Fan #1
106	Roof Exhaust Fan #11
107	Roof Exhaust Fan #10
108	Roof Exhaust Fan #1
109	Roof Exhaust Fan #2
110	Fourdrinier Exhaust Fan #2
111	Roof Exhaust Fan #3
112	Roof Exhaust Fan #4
113	Roof Exhaust Fan #5
114	Roof Exhaust Fan #9
115	Roof Exhaust Fan #6
116	Roof Exhaust Fan #7
117	1st Section Vacuum Roll Exhaust Fan
118	Dryer Hood Exhaust Fan #1
119	3rd Section Vacuum Roll Exhaust Fan
120	Dryer Hood Exhaust #2
121	4th Section Vacuum Roll Exhaust Fan
122	Dryer Hood Exhaust #4
123	Dryer Hood Exhaust #3
124	5th Section Vacuum Roll Exhaust Fan

EP	Description
131	No. 1 PM Vacuum Trench Exhaust Fan
132	Thickener Exhaust
133	Saveall Exhaust
204	Thickener Exhaust Fan
206	Saveall Exhaust Fan
208	Fourdrinier Exhaust Fan
209	Roof Exhaust Fan #15
210	Roof Exhaust Fan #5
211	Roof Exhaust Fan #17
212	Roof Exhaust Fan #16
213	Roof Exhaust Fan #6
214	Roof Exhaust Fan #7
215	Bel-Liner Exhaust Fan
216	Roof Exhaust Fan #8
217	Roof Exhaust Fan #9
218	Roof Exhaust Fan #14
219	Roof Exhaust Fan #10
220	Roof Exhaust Fan #11
221	Press Pulper Exhaust Fan
222	1st Section Vacuum Roll Exhaust Fan
223	#1 Main Hood Exhaust Fan

EP	Description
224	Main Hood Exhaust Fan #7
225	Main Hood Exhaust Fan #2
226	4th Section Vacuum Roll Exhaust Fan
227	5th Section Vacuum Roll Exhaust Fan
228	Main Hood Exhaust Fan #3
231	After Hood Exhaust Fan #4
232	After Hood Exhaust Fan #6
233	After Hood Exhaust Fan #5
248	Vacuum Trench Exhaust
300	Cationic Starch Silo

EP	Description
301	Size Press Starch Silo
400	AMU 7 – Mill 2
401	PM #1 Mill Water Cooling Tower
402	PM #1 Vacuum Cooling Tower
403	PM #2 Mill Water Cooling Tower
404	No. 2 Paper Machine Vacuum Cooling Tower
501A	Paper Machine #1 High Density Storage (A)
501B	Paper Machine #1 High Density Storage (B)
502	PM #2 – Bottom Sheet High Density Storage
503	PM #2 – Top Sheet High Density Storage

Monitoring (Source Testing) Determination Basis:

For purposes of this renewal permit to determine which sources and the total number of sources to be tested the following criteria were considered:

1) Is it practical to test the source (i.e., would the results be representative of emissions)?
2) Has the source already been tested?
3) How recently was the source tested?
4) Are the potential controlled emissions (based on the approved emission factor) from the source in excess of 1 ton/year?
5) Is the source subject to a CAM plan?
6) Is the source already subject to a Federal Regulation such as an NSPS or NESHAP?
7) What is the current permitted emission allowable and how close to that allowable are actual emissions?
8) What are DNR's Periodic Monitoring Guidance guidelines?

It is not common to consider whether it is practical to test the source as most sources of commercial, institutional, or industrial emissions; however, the majority of the emission points at International Paper exhaust high-moisture air from pickups spaced above the two paper machines. The two paper machines extend for the length of the building and the various emission units (EU-100Fourdrinier, EU-100Press, etc.) are not truly different pieces of equipment. The different areas of the machines were identified to simplify the permitting and to avoid excessive permitting fees each time a modification was made to the paper machine. The air pickups for emissions from the paper machines are above these units without capture hoods and the airflow is controlled by dedicated fans used to ventilate the space.

None of the emission points at the facility have been stack tested previously.

For the paper machines and associated equipment, emission factors were established using the results of studies performed by the National Council for Air and Stream Improvement, Inc. (NCASI) at paper mills of similar configuration:

1) NCASI Technical Bulletin No. 0737: *Volatile Organic Compound Emissions from Non-Chemical Pulp and Paper Mill Sources, Part II – Recycled Paperboard and Old Corrugated Container Stock Pre*, July 1, 1997.
2) NCASI Technical Bulletin No. 0740: *Volatile Organic Compound Emissions from Non-Chemical Pulp and Paper Mill Sources, Part V – Paper Machines*, July 1, 1997.
3) NCASI Technical Bulletin No. 0942: *Measurement of PM, PM_{10}, $PM_{2.5}$, and CPM Emissions from Paper Machine Sources*, November 1, 2007.

For the cooling towers, emissions are calculated according to methodology outlined in AP-42 13.4, *Wet Cooling Towers*, as published in January 1995. Compliance with the emission limits is best verified via a

mass balance using the Total Dissolved Solids (TDS) measurements and calculated assuming 100% loss through evaporation.

It should be noted that only because the afore-mentioned criteria was selected in determining which sources should potentially be tested for the purposes of this renewal, the Department maintains the authority to require source testing of other sources pursuant to DNR's periodic monitoring guidance, the IAC and LCCO at the Department's discretion for future renewals. Furthermore, the Department maintains the authority to require testing of existing equipment pursuant to LCCO Sec. 10-70(e)(2)(b). Specifically, LCCO Sec. 10-70(e)(2)(b) states:

> *"The Air Pollution Control Officer may require the owner or the operator's authorized agent to conduct an emission test on any equipment if the Air Pollution Control Officer has reason to believe that the equipment does not comply with the applicable requirements. Grounds for requiring such a demonstration for compliance include a modification of control or process equipment, age of equipment, or observation of opacities or other parameters outside the range of those indicative of properly maintained and operated equipment. Testing may be required as necessary to determine actual emissions from a source where that source is believed to have a significant impact on the public health or ambient air quality of an area. The Air Pollution Control Officer shall provide the owner or agent not less than 30 days to perform the compliance demonstration and shall provide written notice of the requirement."*

PM/PM_{10}

Seventy-three significant emission units have the potential to emit PM and PM_{10}. Most of the sources have established emission factors from the NCASI bulletins used to estimate plant-wide emissions. Another 146 insignificant emission units have the potential to emit PM and PM_{10}, and these uncontrolled emissions are approximately 5.5 tons per year (roughly 3% of the facilities emissions). The largest emitting emission unit is the PM#1 Vacuum Cooling Tower. None of the sources at the facility have been tested for PM or PM_{10}. As discussed above, testing the paper machines and supporting equipment is not always practical and demonstrating compliance with the cooling tower limits is done through TDS sampling.

$PM_{2.5}$

The same 73 significant emission units and 146 insignificant emission units have the potential to emit $PM_{2.5}$. Currently, only the Power Boilers (EUs 408 and 409) are subject to $PM_{2.5}$ emission limits to demonstrate compliance with the NAAQS through modeling. Currently, no testing is required for $PM_{2.5}$ sources for the same reasons listed in the PM/PM_{10} section above.

SO_2

Nine significant emission units and 146 insignificant emission units have the potential to emit SO_2. Three of the significant units are diesel-fired emergency generators and the rest are all combustion units fueled with natural gas. International Paper is required to maintain records of the fuel supplied for the significant emission units. No testing will be required for these sources for SO_2.

NO_X

Nine significant emission units and 146 insignificant emission units have the potential to emit NO_X. Three of the significant units are diesel-fired emergency generators and the rest are all combustion units fueled with natural gas. Two of the significant emission units are the Power Boilers (EUs 408 and 409), which are equipped with Continuous Emissions Monitoring Systems (CEMS) to monitor NO_X emissions. No testing will be required for these sources for NO_X.

CO

Nine significant emission units and 146 insignificant emission units have the potential to emit CO. Three of the significant units are diesel-fired emergency generators and the rest are all combustion units fueled with natural gas. Two of the significant emission units are the Power Boilers (EUs 408 and 409), which are equipped with CEMS to monitor CO emissions No testing will be required for these sources for CO.

VOC
Fourteen significant and 153 insignificant emission units have the potential to emit VOC. Nine of the significant emission units and 146 of the insignificant emission units are combustion sources. The remaining sources are associated with the paper machines and storage areas. None of the emission units are equipped with VOC controls. The largest emitting units are associated with Paper Machine #1 and Paper Machine #2. Testing will not be required for these sources for VOC for the reasons described in the PM/PM_{10} section.

HAP
Sixty-seven significant emission units and 149 insignificant emission units have the potential to emit HAP. International Paper has well established emission factors for the HAP emitted from the sources from the NCASI bulletins. HAP testing of any emission unit will not be required as part of this renewal permit.

Pollutant Testing Summary
No testing is required for this renewal of the International Paper Title V renewal.

Actual Emissions
All emission factors for the 2024 EIQ were reviewed. The emission factors used are from Webfire, AP-42, engineering estimates, or established in NCASI Bulletins. Specifically, PM, PM_{10}, VOC, and HAP emissions from the paper machines and associated equipment were calculated using data from the NCASI Bulletins 0737, 0740, and 0942, which were then evaluated and summarized by All4, Inc. in a study used by International Paper. NO_X and CO emissions from the Power Boilers are measured with CEMS, but these units were installed in late 2025 and their emissions were not included in the 2024 EIQ. Combustion emissions and emissions from the filling events in the starch silos were calculated using emission factors from Webfire. Particulate emissions from the cooling towers were calculated from site-specific monitoring data.

DNR Feedback
Draft copies of the Title V operating permit and supporting documentation (this review, calculations, etc.) were provided to the DNR for comment. Comments were provided by Jeremy Arndt and were tracked and can be located in the network files.

International Paper Feedback
Draft copies of the Title V operating permit and supporting documentation were provided to International Paper for comment. Comments were provided by Sherry Biggart and were tracked and can be located in the network files.

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

Facility ID	EP	EP Description	EU	EU Description	CE	SCC No.	Temperature	acfm	scfm	hr/yr	Capacity	Units
--	EP90	Sump Pump Engine	EU90	Sump Pump Engine	None	20200102	180	953	786	500	80	hp
--	EP91		EU91	Fire Pump Engine	None	20200102	815	2,304	953	500	0.51	MMBtu/hr
--	EP92	Engine for Sump Pump on PM2	EU92	Sump Pump on PM2	None	20200102	180	953	786	500	80	hp
510-7375	EP104	Paper Machine #1 Pulper	EU100Pulper	PM #1 - Pulper	None	30701399	68	45,000	45,000	8,760	1,845	tpd
520-7350	EP105	Fourdrinier Exhaust Fan #1	EU100	Paper Machine #1	None	30788801	103	45,000	42,202	8,760	1,808	tpd
--	--	--	EU100Fourdrinier	Paper Machine #1 - Paper Making Process	None	30788801	--	--	--	--	1,808	tpd
520-7418	EP106	Roof Exhaust Fan #11	EU100	Paper Machine #1	None	30788801	68	60,000	60,000	8,760	1,808	tpd
--	--	--	EU100Fourdrinier	Paper Machine #1 - Paper Making Process	None	30788801	--	--	--	--	1,808	tpd
520-7417	EP107	Roof Exhaust Fan #10	EU100	Paper Machine #1	None	30788801	68	60,000	60,000	8,760	1,808	tpd
--	--	--	EU100Fourdrinier	Paper Machine #1 - Paper Making Process	None	30788801	--	--	--	--	1,808	tpd
520-7375	EP108	Roof Exhaust Fan #1	EU100	Paper Machine #1	None	30788801	68	60,000	60,000	8,760	1,808	tpd
--	--	--	EU100Fourdrinier	Paper Machine #1 - Paper Making Process	None	30788801	--	--	--	--	1,808	tpd
520-7380	EP109	Roof Exhaust Fan #2	EU100	Paper Machine #1	None	30788801	68	60,000	60,000	8,760	1,808	tpd
--	--	--	EU100Fourdrinier	Paper Machine #1 - Paper Making Process	None	30788801	--	--	--	--	1,808	tpd
520-7355	EP110	Fourdrinier Exhaust Fan #2	EU100	Paper Machine #1	None	30788801	120	60,000	54,621	8,760	1,808	tpd
--	--	--	EU100Fourdrinier	Paper Machine #1 - Paper Making Process	None	30788801	--	--	--	--	1,808	tpd
520-7410	EP116	Roof Exhaust Fan #7	EU100	Paper Machine #1	None	30788801	95	60,000	57,081	8,760	1,808	tpd
--	--	--	EU100Fourdrinier	Paper Machine #1 - Paper Making Process	None	30788801	--	--	--	--	1,808	tpd
520-7385	EP111	Roof Exhaust Fan #3	EU100	Paper Machine #1	None	30788801	68	60,000	60,000	8,760	1,808	tpd
--	--	--	EU100Press	PM #1 - Paper Making Process Roof Exhaust Fans	None	30788801	--	--	--	--	1,808	tpd
520-7390	EP112	Roof Exhaust Fan #4	EU100	Paper Machine #1	None	30788801	95	60,000	57,081	8,760	1,808	tpd
--	--	--	EU100Press	PM #1 - Paper Making Process Roof Exhaust Fans	None	30788801	--	--	--	--	1,808	tpd
520-7395	EP113	Roof Exhaust Fan #5	EU100	Paper Machine #1	None	30788801	95	60,000	57,081	8,760	1,808	tpd
--	--	--	EU100Press	PM #1 - Paper Making Process Roof Exhaust Fans	None	30788801	--	--	--	--	1,808	tpd
520-7416	EP114	Roof Exhaust Fan #9	EU100	Paper Machine #1	None	30788801	95	60,000	57,081	8,760	1,808	tpd
--	--	--	EU100Press	PM #1 - Paper Making Process Roof Exhaust Fans	None	30788801	--	--	--	--	1,808	tpd
520-7405	EP115	Roof Exhaust Fan #6	EU100	Paper Machine #1	None	30788801	95	60,000	57,081	8,760	1,808	tpd
--	--	--	EU100Press	PM #1 - Paper Making Process Roof Exhaust Fans	None	30788801	--	--	--	--	1,808	tpd
520-7195	EP117	1st Section Vacuum Roll Exhaust Fan	EU100	Paper Machine #1	None	30788801	170	24,000	20,114	8,760	1,808	tpd
--	--	--	EU100Dryer	PM #1 - Paper Making Process Dryer Exhausts	None	30788801	--	--	--	--	1,808	tpd
520-7010	EP118	Dryer Hood Exhaust #1	EU100	Paper Machine #1	None	30788801	190	60,000	48,738	8,760	1,808	tpd
--	--	--	EU100Dryer	PM #1 - Paper Making Process Dryer Exhausts	None	30788801	--	--	--	--	1,808	tpd
520-7200	EP119	3rd Section Vacuum Roll Exhaust Fan	EU100	Paper Machine #1	None	30788801	190	24,600	19,983	8,760	1,808	tpd
--	--	--	EU100Dryer	PM #1 - Paper Making Process Dryer Exhausts	None	30788801	--	--	--	--	1,808	tpd
520-7015	EP120	Dryer Hood Exhaust #2	EU100	Paper Machine #1	None	30788801	90	60,000	57,600	8,760	1,808	tpd
--	--	--	EU100Dryer	PM #1 - Paper Making Process Dryer Exhausts	None	30788801	--	--	--	--	1,808	tpd
520-7202	EP121	4th Section Vacuum Roll Exhaust Fan	EU100	Paper Machine #1	None	30788801	150	60,000	51,934	8,760	1,808	tpd
--	--	--	EU100Dryer	PM #1 - Paper Making Process Dryer Exhausts	None	30788801	--	--	--	--	1,808	tpd
520-7035	EP122	Dryer Hood Exhaust #4	EU100	Paper Machine #1	None	30788801	130	42,600	38,123	8,760	1,808	tpd
--	--	--	EU100Dryer	PM #1 - Paper Making Process Dryer Exhausts	None	30788801	--	--	--	--	1,808	tpd
520-7020	EP123	Dryer Hood Exhaust #3	EU100	Paper Machine #1	None	30788801	130	60,000	53,695	8,760	1,808	tpd
--	--	--	EU100Dryer	PM #1 - Paper Making Process Dryer Exhausts	None	30788801	--	--	--	--	1,808	tpd
520-7205	EP124	5th Section Vacuum Roll Exhaust Fan	EU100	Paper Machine #1	None	30788801	180	30,400	25,080	8,760	1,808	tpd
--	--	--	EU100Dryer	PM #1 - Paper Making Process Dryer Exhausts	None	30788801	--	--	--	--	1,808	tpd
--	EP131	No. 1 PM Vacuum Trench Exhaust Fan	EU100	Paper Machine #1	None	30788801	122	145,954	132,412	8,760	1,808	tpd
--	--	--	EU100Vacuum Trench	PM #1 - Paper Making Process - Vacuum Trench Exhaust	None	30788801	--	--	--	--	1,808	tpd
355-4015	EP132	Thickener Exhaust	EU100	Paper Machine #1	None	30788801	140	2,900	2,552	8,760	1,808	tpd
--	--	--	EU100OCC	Thickener and Saveall Exhaust	None	30788801	--	--	--	--	1,808	tpd
510-7370	EP133	Saveall Exhaust	EU100	Paper Machine #1	None	30788801	140	2,900	2,552	8,760	1,808	tpd
--	--	--	EU100OCC	Thickener and Saveall Exhaust	None	30788801	--	--	--	--	1,808	tpd
~~--~~	~~EP201~~	~~White Top Thickener Exhaust Fan~~					~~75~~	~~3,500~~	~~3,454~~			
356-2040	EP204	Thickener Exhaust Fan	EU200	Paper Machine #2	None	30788801	130	3,500	3,132	8,760	2,255	tpd
--	--	--	EU200OCC	Paper Machine #2 - OCC	None	30788801	--	--	--	--	2,255	tpd
511-1940	EP206	Saveall Exhaust Fan	EU200	Paper Machine #2	None	30788801	140	3,500	3,080	8,760	2,255	tpd
--	--	--	EU200OCC	Paper Machine #2 - OCC	None	30788801	--	--	--	--	2,255	tpd
521-12760	EP208	Fourdrinier Exhaust Fan	EU200	Paper Machine #2	None	30788801	110	75,000	69,474	8,760	2,255	tpd

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				PM									PM10								
				Rule			PTE EF			Uncontrolled			Rule			PTE EF			Uncontrolled		
				EF	units	PM	EF	units	PM	EF	units	PM	EF	units	PM-10	EF	units	PM-10	EF	units	PM-10
Facility ID	**EP**	**EP Description**	**EU**			180.85			163.33			1558.74			172.70			155.18			947.90
--	EP90	Sump Pump Engine	EU90	0.3	g/hp-hr	0.01	0.31	g/hp-hr	0.01	0.3	g/hp-hr	0.01	0.3	g/hp-hr	0.01	0.3	g/hp-hr	0.01	0.3	g/hp-hr	0.01
--	EP91		EU91	0.31	lb/MMBtu	0.04	0.31	lb/MMBtu	0.04	0.31	lb/MMBtu	0.04	0.31	lb/MMBtu	0.04	0.31	lb/MMBtu	0.04	0.31	lb/MMBtu	0.04
--	EP92	Engine for Sump Pump on PM2	EU92	0.3	g/hp-hr	0.01	0.31	lb/MMBtu	0.01	0.31	lb/MMBtu	0.01	0.3	g/hp-hr	0.01	0.31	lb/MMBtu	0.01	0.31	lb/MMBtu	0.01
510-7375	EP104	Paper Machine #1 Pulper	EU100Pulper	0.24	lbs/hr	1.05	0.24	lbs/hr	1.05	0.24	lbs/hr	1.05	0.21	lbs/hr	0.92	0.21	lbs/hr	0.92	0.21	lbs/hr	0.92
520-7350	EP105	Fourdrinier Exhaust Fan #1	EU100	0.2	lbs/hr	0.88	2.03	lbs/hr	8.89	0.2	lbs/hr	0.88	0.2	lbs/hr	0.88	1.79	lbs/hr	7.84	0.2	lbs/hr	0.88
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7418	EP106	Roof Exhaust Fan #11	EU100	0.32	lbs/hr	1.40	--	--	--	0.32	lbs/hr	1.40	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7417	EP107	Roof Exhaust Fan #10	EU100	0.32	lbs/hr	1.40	--	--	--	0.32	lbs/hr	1.40	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7375	EP108	Roof Exhaust Fan #1	EU100	0.32	lbs/hr	1.40	--	--	--	0.32	lbs/hr	1.40	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7380	EP109	Roof Exhaust Fan #2	EU100	0.32	lbs/hr	1.40	--	--	--	0.32	lbs/hr	1.40	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7355	EP110	Fourdrinier Exhaust Fan #2	EU100	0.28	lbs/hr	1.23	--	--	--	0.28	lbs/hr	1.23	0.28	lbs/hr	1.23	--	--	--	0.28	lbs/hr	1.23
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7410	EP116	Roof Exhaust Fan #7	EU100	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18	0.23	lbs/hr	1.01	--	--	--	0.23	lbs/hr	1.01
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7385	EP111	Roof Exhaust Fan #3	EU100	0.32	lbs/hr	1.40	1.4	lbs/hr	6.13	0.32	lbs/hr	1.40	0.27	lbs/hr	1.18	1.19	lbs/hr	5.21	0.27	lbs/hr	1.18
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7390	EP112	Roof Exhaust Fan #4	EU100	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18	0.23	lbs/hr	1.01	--	--	--	0.23	lbs/hr	1.01
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7395	EP113	Roof Exhaust Fan #5	EU100	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18	0.23	lbs/hr	1.01	--	--	--	0.23	lbs/hr	1.01
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7416	EP114	Roof Exhaust Fan #9	EU100	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18	0.23	lbs/hr	1.01	--	--	--	0.23	lbs/hr	1.01
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7405	EP115	Roof Exhaust Fan #6	EU100	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18	0.23	lbs/hr	1.01	--	--	--	0.23	lbs/hr	1.01
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7195	EP117	1st Section Vacuum Roll Exhaust Fan	EU100	0.13	lbs/hr	0.57	2.51	lbs/hr	10.99	0.13	lbs/hr	0.57	0.1	lbs/hr	0.44	2.18	lbs/hr	9.55	0.1	lbs/hr	0.44
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7010	EP118	Dryer Hood Exhaust #1	EU100	0.32	lbs/hr	1.40	--	--	--	0.32	lbs/hr	1.40	0.25	lbs/hr	1.10	--	--	--	0.25	lbs/hr	1.10
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7200	EP119	3rd Section Vacuum Roll Exhaust Fan	EU100	0.13	lbs/hr	0.57	--	--	--	0.13	lbs/hr	0.57	0.1	lbs/hr	0.44	--	--	--	0.1	lbs/hr	0.44
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7015	EP120	Dryer Hood Exhaust #2	EU100	0.38	lbs/hr	1.66	--	--	--	0.38	lbs/hr	1.66	0.29	lbs/hr	1.27	--	--	--	0.29	lbs/hr	1.27
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7202	EP121	4th Section Vacuum Roll Exhaust Fan	EU100	0.34	lbs/hr	1.49	--	--	--	0.34	lbs/hr	1.49	0.26	lbs/hr	1.14	--	--	--	0.26	lbs/hr	1.14
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7035	EP122	Dryer Hood Exhaust #4	EU100	0.38	lbs/hr	1.66	--	--	--	0.38	lbs/hr	1.66	0.37	lbs/hr	1.62	--	--	--	0.37	lbs/hr	1.62
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7020	EP123	Dryer Hood Exhaust #3	EU100	0.53	lbs/hr	2.32	--	--	--	0.53	lbs/hr	2.32	0.52	lbs/hr	2.28	--	--	--	0.52	lbs/hr	2.28
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7205	EP124	5th Section Vacuum Roll Exhaust Fan	EU100	0.3	lbs/hr	1.31	--	--	--	0.3	lbs/hr	1.31	0.29	lbs/hr	1.27	--	--	--	0.29	lbs/hr	1.27
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	EP131	No. 1 PM Vacuum Trench Exhaust Fan	EU100	0.78	lbs/hr	3.42	0.78	lbs/hr	3.42	0.78	lbs/hr	3.42	0.78	lbs/hr	3.42	0.78	lbs/hr	3.42	0.78	lbs/hr	3.42
--	--	--	EU100Vacuum Trench	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
355-4015	EP132	Thickener Exhaust	EU100	0.01	lbs/hr	0.04	0.02	lbs/hr	0.09	0.01	lbs/hr	0.04	0.01	lbs/hr	0.04	0.02	lbs/hr	0.09	0.01	lbs/hr	0.04
--	--	--	EU100OCC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
510-7370	EP133	Saveall Exhaust	EU100	0.01	lbs/hr	0.04	--	--	--	0.01	lbs/hr	0.04	0.01	lbs/hr	0.04	--	--	--	0.01	lbs/hr	0.04
--	--	--	EU100OCC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
~~--~~	~~EP201~~	~~White Top Thickener Exhaust Fan~~																			
356-2040	EP204	Thickener Exhaust Fan	EU200	0.02	lbs/hr	0.09	--	--	--	0.02	lbs/hr	0.09	0.01	lbs/hr	0.04	--	--	--	0.01	lbs/hr	0.04
--	--	--	EU200OCC	--	--	--	0.04	lbs/hr	0.18	--	--	--	--	--	--	0.02	lbs/hr	0.09	--	--	--
511-1940	EP206	Saveall Exhaust Fan	EU200	0.02	lbs/hr	0.09	--	--	--	0.02	lbs/hr	0.09	0.01	lbs/hr	0.04	--	--	--	0.01	lbs/hr	0.04
--	--	--	EU200OCC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12760	EP208	Fourdrinier Exhaust Fan	EU200	0.33	lbs/hr	1.45	--	--	--	0.33	lbs/hr	1.45	0.33	lbs/hr	1.45	--	--	--	0.33	lbs/hr	1.45

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				PM2.5									SOx								
				Rule			PTE EF			Uncontrolled			Rule			PTE EF			Uncontrolled		
Facility ID	**EP**	**EP Description**	**EU**	**EF**	**units**	**PM-2.5**	**EF**	**units**	**PM-2.5**	**EF**	**units**	**PM-2.5**	**EF**	**units**	**SOx**	**EF**	**units**	**Sox**	**EF**	**units**	**Sox**
						172.70			136.61			947.90			9.51			0.18			9.51
--	EP90	Sump Pump Engine	EU90	0.3	g/hp-hr	0.01	0.3	g/hp-hr	0.01	0.3	g/hp-hr	0.01	15	ppmv	0.03	0.29	lb/MMBtu	0.01	15	ppmv	0.03
--	EP91		EU91	0.31	lb/MMBtu	0.04	0.31	lb/MMBtu	0.04	0.31	lb/MMBtu	0.04	15	ppmv	0.04	0.29	lb/MMBtu	0.04	15	ppmv	0.04
--	EP92	Engine for Sump Pump on PM2	EU92	0.3	g/hp-hr	0.01	0.31	lb/MMBtu	0.01	0.31	lb/MMBtu	0.01	15	ppmv	0.03	0.29	lb/MMBtu	0.01	15	ppmv	0.03
510-7375	EP104	Paper Machine #1 Pulper	EU100Pulper	0.21	lbs/hr	0.92	0.18	lbs/hr	0.79	0.21	lbs/hr	0.92	--	--	--	--	--	--	--	--	--
520-7350	EP105	Fourdrinier Exhaust Fan #1	EU100	0.2	lbs/hr	0.88	1.54	lbs/hr	6.75	0.2	lbs/hr	0.88	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7418	EP106	Roof Exhaust Fan #11	EU100	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7417	EP107	Roof Exhaust Fan #10	EU100	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7375	EP108	Roof Exhaust Fan #1	EU100	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7380	EP109	Roof Exhaust Fan #2	EU100	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7355	EP110	Fourdrinier Exhaust Fan #2	EU100	0.28	lbs/hr	1.23	--	--	--	0.28	lbs/hr	1.23	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7410	EP116	Roof Exhaust Fan #7	EU100	0.23	lbs/hr	1.01	--	--	--	0.23	lbs/hr	1.01	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7385	EP111	Roof Exhaust Fan #3	EU100	0.27	lbs/hr	1.18	1.0247	lbs/hr	4.49	0.27	lbs/hr	1.18	--	--	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7390	EP112	Roof Exhaust Fan #4	EU100	0.23	lbs/hr	1.01	--	--	--	0.23	lbs/hr	1.01	--	--	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7395	EP113	Roof Exhaust Fan #5	EU100	0.23	lbs/hr	1.01	--	--	--	0.23	lbs/hr	1.01	--	--	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7416	EP114	Roof Exhaust Fan #9	EU100	0.23	lbs/hr	1.01	--	--	--	0.23	lbs/hr	1.01	--	--	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7405	EP115	Roof Exhaust Fan #6	EU100	0.23	lbs/hr	1.01	--	--	--	0.23	lbs/hr	1.01	--	--	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7195	EP117	1st Section Vacuum Roll Exhaust Fan	EU100	0.1	lbs/hr	0.44	1.877	lbs/hr	8.22	0.1	lbs/hr	0.44	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7010	EP118	Dryer Hood Exhaust #1	EU100	0.25	lbs/hr	1.10	--	--	--	0.25	lbs/hr	1.10	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7200	EP119	3rd Section Vacuum Roll Exhaust Fan	EU100	0.1	lbs/hr	0.44	--	--	--	0.1	lbs/hr	0.44	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7015	EP120	Dryer Hood Exhaust #2	EU100	0.29	lbs/hr	1.27	--	--	--	0.29	lbs/hr	1.27	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7202	EP121	4th Section Vacuum Roll Exhaust Fan	EU100	0.26	lbs/hr	1.14	--	--	--	0.26	lbs/hr	1.14	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7035	EP122	Dryer Hood Exhaust #4	EU100	0.37	lbs/hr	1.62	--	--	--	0.37	lbs/hr	1.62	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7020	EP123	Dryer Hood Exhaust #3	EU100	0.52	lbs/hr	2.28	--	--	--	0.52	lbs/hr	2.28	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7205	EP124	5th Section Vacuum Roll Exhaust Fan	EU100	0.29	lbs/hr	1.27	--	--	--	0.29	lbs/hr	1.27	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	EP131	No. 1 PM Vacuum Trench Exhaust Fan	EU100	0.78	lbs/hr	3.42	0.67	lbs/hr	2.93	0.78	lbs/hr	3.42	--	--	--	--	--	--	--	--	--
--	--	--	EU100Vacuum Trench	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
355-4015	EP132	Thickener Exhaust	EU100	0.01	lbs/hr	0.04	0.017	lbs/hr	0.07	0.01	lbs/hr	0.04	--	--	--	--	--	--	--	--	--
--	--	--	EU100OCC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
510-7370	EP133	Saveall Exhaust	EU100	0.01	lbs/hr	0.04	--	--	--	0.01	lbs/hr	0.04	--	--	--	--	--	--	--	--	--
--	--	--	EU100OCC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	~~EP201~~	~~White Top Thickener Exhaust Fan~~																			
356-2040	EP204	Thickener Exhaust Fan	EU200	0.01	lbs/hr	0.04	--	--	--	0.01	lbs/hr	0.04	--	--	--	--	--	--	--	--	--
--	--	--	EU200OCC	--	--	--	0.017	lbs/hr	0.07	--	--	--	--	--	--	--	--	--	--	--	--
511-1940	EP206	Saveall Exhaust Fan	EU200	0.01	lbs/hr	0.04	--	--	--	0.01	lbs/hr	0.04	--	--	--	--	--	--	--	--	--
--	--	--	EU200OCC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12760	EP208	Fourdrinier Exhaust Fan	EU200	0.33	lbs/hr	1.45	--	--	--	0.33	lbs/hr	1.45	--	--	--	--	--	--	--	--	--

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				NOx									VOC								
				Rule			PTE EF			Uncontrolled			Rule			PTE EF			Uncontrolled		
				EF	units	NOx	EF	units	NOx	EF	units	NOx	EF	units	VOC	EF	units	VOC	EF	units	VOC
Facility ID	**EP**	**EP Description**	**EU**			100.06			385.92			414.93			172.00			196.71			242.46
--	EP90	Sump Pump Engine	EU90	5.6	g/hp-hr	0.25	4.41	lb/MMBtu	0.22	5.60	g/hp-hr	0.25	5.6	g/hp-hr	0.25	0.36	lb/MMBtu	0.02	5.6	g/hp-hr	0.25
--	EP91		EU91	4.41	lb/MMBtu	0.56	4.41	lb/MMBtu	0.56	4.41	lb/MMBtu	0.56	0.36	lb/MMBtu	0.05	0.36	lb/MMBtu	0.05	0.36	lb/MMBtu	0.05
--	EP92	Engine for Sump Pump on PM2	EU92	5.6	g/hp-hr	0.25	4.41	lb/MMBtu	0.22	5.60	g/hp-hr	0.25	5.6	g/hp-hr	0.25	0.36	lb/MMBtu	0.02	5.6	g/hp-hr	0.25
510-7375	EP104	Paper Machine #1 Pulper	EU100Pulper	--	--	--	--	--	--	--	--	--	0.0112	lb/ton	3.77	0.0112	lb/ton	3.77	0.0112	lb/ton	3.77
520-7350	EP105	Fourdrinier Exhaust Fan #1	EU100	--	--	--	--	--	--	--	--	--	0.1652	lb/ton	54.51	12.45	lb/hr	54.53	12.45	lb/ton	54.53
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7418	EP106	Roof Exhaust Fan #11	EU100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7417	EP107	Roof Exhaust Fan #10	EU100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7375	EP108	Roof Exhaust Fan #1	EU100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7380	EP109	Roof Exhaust Fan #2	EU100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7355	EP110	Fourdrinier Exhaust Fan #2	EU100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7410	EP116	Roof Exhaust Fan #7	EU100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7385	EP111	Roof Exhaust Fan #3	EU100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7390	EP112	Roof Exhaust Fan #4	EU100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7395	EP113	Roof Exhaust Fan #5	EU100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7416	EP114	Roof Exhaust Fan #9	EU100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7405	EP115	Roof Exhaust Fan #6	EU100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7195	EP117	1st Section Vacuum Roll Exhaust Fan	EU100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7010	EP118	Dryer Hood Exhaust #1	EU100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7200	EP119	3rd Section Vacuum Roll Exhaust Fan	EU100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7015	EP120	Dryer Hood Exhaust #2	EU100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7202	EP121	4th Section Vacuum Roll Exhaust Fan	EU100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7035	EP122	Dryer Hood Exhaust #4	EU100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7020	EP123	Dryer Hood Exhaust #3	EU100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7205	EP124	5th Section Vacuum Roll Exhaust Fan	EU100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	EP131	No. 1 PM Vacuum Trench Exhaust Fan	EU100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Vacuum Trench	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
355-4015	EP132	Thickener Exhaust	EU100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100OCC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
510-7370	EP133	Saveall Exhaust	EU100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100OCC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	~~EP201~~	~~White Top Thickener Exhaust Fan~~																			
356-2040	EP204	Thickener Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	0.169	lb/ton	69.55	24.25	tpy	24.25	0.169	lb/ton	69.55
--	--	--	EU200OCC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
511-1940	EP206	Saveall Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200OCC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12760	EP208	Fourdrinier Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	15.85	lbs/hr	69.42

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				CO														
				Rule			PTE EF			Uncontrolled						Acetaldehyde	1,3 Butadiene	Biphenyl	Bromoform
				EF	units	CO	EF	units	CO	EF	units	CO	Lead	HAP totals	Max SHAP	75-07-0	106-99-0	92-52-4	75-25-2
Facility ID	**EP**	**EP Description**	**EU**			99.45			114.23			114.46	0.02	102.16	47.22	9.54	0.00	3.06	1.31
--	EP90	Sump Pump Engine	EU90	3.7	g/hp-hr	0.16	0.95	lb/MMBtu	0.05	3.7	g/hp-hr	0.16	--	0.00	0.00	0.00	0.00	--	--
--	EP91		EU91	0.95	lb/MMBtu	0.12	0.95	lb/MMBtu	0.12	0.95	lb/MMBtu	0.12	--	0.00	0.00	0.00	0.00	--	--
--	EP92	Engine for Sump Pump on PM2	EU92	3.7	g/hp-hr	0.16	0.95	lb/MMBtu	0.05	3.7	g/hp-hr	0.16	--	0.00	0.00	0.00	0.00	--	--
510-7375	EP104	Paper Machine #1 Pulper	EU100Pulper	--	--	--	--	--	--	--	--	--	--	1.68	0.52	0.24	--	0.13	--
520-7350	EP105	Fourdrinier Exhaust Fan #1	EU100	--	--	--	--	--	--	--	--	--	--	8.98	8.77	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	34.74	12.31	3.96	--	1.22	0.58
520-7418	EP106	Roof Exhaust Fan #11	EU100	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7417	EP107	Roof Exhaust Fan #10	EU100	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7375	EP108	Roof Exhaust Fan #1	EU100	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7380	EP109	Roof Exhaust Fan #2	EU100	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7355	EP110	Fourdrinier Exhaust Fan #2	EU100	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7410	EP116	Roof Exhaust Fan #7	EU100	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7385	EP111	Roof Exhaust Fan #3	EU100	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7390	EP112	Roof Exhaust Fan #4	EU100	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7395	EP113	Roof Exhaust Fan #5	EU100	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7416	EP114	Roof Exhaust Fan #9	EU100	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7405	EP115	Roof Exhaust Fan #6	EU100	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7195	EP117	1st Section Vacuum Roll Exhaust Fan	EU100	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7010	EP118	Dryer Hood Exhaust #1	EU100	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7200	EP119	3rd Section Vacuum Roll Exhaust Fan	EU100	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7015	EP120	Dryer Hood Exhaust #2	EU100	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7202	EP121	4th Section Vacuum Roll Exhaust Fan	EU100	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7035	EP122	Dryer Hood Exhaust #4	EU100	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7020	EP123	Dryer Hood Exhaust #3	EU100	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7205	EP124	5th Section Vacuum Roll Exhaust Fan	EU100	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	EP131	No. 1 PM Vacuum Trench Exhaust Fan	EU100	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU100Vacuum Trench	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
355-4015	EP132	Thickener Exhaust	EU100	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU100OCC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
510-7370	EP133	Saveall Exhaust	EU100	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU100OCC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	~~EP201~~	~~White Top Thickener Exhaust Fan~~											--						
356-2040	EP204	Thickener Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	0.35	0.16	--	--	--	--
--	--	--	EU200OCC	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
511-1940	EP206	Saveall Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--		--	--
--	--	--	EU200OCC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12760	EP208	Fourdrinier Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

Facility ID	EP	EP Description	EU	Carbon disulfide	Formaldehyde	Methanol	Bromomethane	Chloromethane	Ethylene Glycol	Methylene Chloride	1,1,2-Trichloroethane	Naphthalene	Phenol
				75-15-0	50-00-0	67-56-1	74-83-9	74-87-3	107-21-1	75-09-2	71-55-6	91203	108-95-2
				1.75	8.00	29.51	0.14	0.29	8.93	5.32	0.18	0.45	2.58
--	EP90	Sump Pump Engine	EU90	--	0.00	--	--	--	--	--	--	0.00	--
--	EP91		EU91	--	0.00	--	--	--	--	--	--	0.00	--
--	EP92	Engine for Sump Pump on PM2	EU92	--	0.00	--	--	--	--	--	--	0.00	--
510-7375	EP104	Paper Machine #1 Pulper	EU100Pulper	0.15	0.05	0.52	--	--	--	0.08	--	0.25	0.10
520-7350	EP105	Fourdrinier Exhaust Fan #1	EU100	--	--	0.17	--	--	8.77	--	--	0.04	--
--	--	--	EU100Fourdrinier	0.63	3.30	12.31	0.06	0.13	--	1.02	0.08	0.00	1.06
520-7418	EP106	Roof Exhaust Fan #11	EU100	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--
520-7417	EP107	Roof Exhaust Fan #10	EU100	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--
520-7375	EP108	Roof Exhaust Fan #1	EU100	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--
520-7380	EP109	Roof Exhaust Fan #2	EU100	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--
520-7355	EP110	Fourdrinier Exhaust Fan #2	EU100	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--
520-7410	EP116	Roof Exhaust Fan #7	EU100	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--
520-7385	EP111	Roof Exhaust Fan #3	EU100	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--
520-7390	EP112	Roof Exhaust Fan #4	EU100	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--
520-7395	EP113	Roof Exhaust Fan #5	EU100	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--
520-7416	EP114	Roof Exhaust Fan #9	EU100	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--
520-7405	EP115	Roof Exhaust Fan #6	EU100	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--
520-7195	EP117	1st Section Vacuum Roll Exhaust Fan	EU100	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--
520-7010	EP118	Dryer Hood Exhaust #1	EU100	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--
520-7200	EP119	3rd Section Vacuum Roll Exhaust Fan	EU100	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--
520-7015	EP120	Dryer Hood Exhaust #2	EU100	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--
520-7202	EP121	4th Section Vacuum Roll Exhaust Fan	EU100	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--
520-7035	EP122	Dryer Hood Exhaust #4	EU100	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--
520-7020	EP123	Dryer Hood Exhaust #3	EU100	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--
520-7205	EP124	5th Section Vacuum Roll Exhaust Fan	EU100	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--
--	EP131	No. 1 PM Vacuum Trench Exhaust Fan	EU100	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Vacuum Trench	--	--	--	--	--	--	--	--	--	--
355-4015	EP132	Thickener Exhaust	EU100	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100OCC	--	--	--	--	--	--	--	--	--	--
510-7370	EP133	Saveall Exhaust	EU100	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100OCC	--	--	--	--	--	--	--	--	--	--
--	~~EP201~~	~~White Top Thickener Exhaust Fan~~											
356-2040	EP204	Thickener Exhaust Fan	EU200	--	--	0.16	--	--	0.16	--	--	0.04	--
--	--	--	EU200OCC	--	--	--	--	--	--	--	--	--	--
511-1940	EP206	Saveall Exhaust Fan	EU200	--	--	--	--	--		--	--	--	--
--	--	--	EU200OCC	--	--	--	--	--	--	--	--	--	--
521-12760	EP208	Fourdrinier Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				Propionaldehyde	Toluene	Vinyl acetate	Xylene, mixed isomers	Ethylene Oxide	Propylene Oxide	Acrylamide	Acrolein	Arsenic	Benzene	Beryllium	Cadmium
				123-38-6	108-88-3	108-05-4	1330-20-7	75-21-8	75-56-9	79-06-1	107-02-8	7440-38-2	71-43-2	7440-41-7	7440-43-9
Facility ID	**EP**	**EP Description**	**EU**	2.61	8.50	11.66	1.50	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
--	EP90	Sump Pump Engine	EU90	--	0.00	--	0.00	--	--	--	0.00	--	0.00	--	--
--	EP91		EU91	--	0.00	--	0.00	--	--	--	0.00	--	0.00	--	--
--	EP92	Engine for Sump Pump on PM2	EU92	--	0.00	--	0.00	--	--	--	0.00	--	0.00	--	--
510-7375	EP104	Paper Machine #1 Pulper	EU100Pulper	0.06	0.11	--	--	--	--	--	--	--	--	--	--
520-7350	EP105	Fourdrinier Exhaust Fan #1	EU100	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	0.99	3.63	5.11	0.66	--	--	--	--	--	--	--	--
520-7418	EP106	Roof Exhaust Fan #11	EU100	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--
520-7417	EP107	Roof Exhaust Fan #10	EU100	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--
520-7375	EP108	Roof Exhaust Fan #1	EU100	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--
520-7380	EP109	Roof Exhaust Fan #2	EU100	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--
520-7355	EP110	Fourdrinier Exhaust Fan #2	EU100	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--
520-7410	EP116	Roof Exhaust Fan #7	EU100	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--
520-7385	EP111	Roof Exhaust Fan #3	EU100	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--
520-7390	EP112	Roof Exhaust Fan #4	EU100	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--
520-7395	EP113	Roof Exhaust Fan #5	EU100	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--
520-7416	EP114	Roof Exhaust Fan #9	EU100	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--
520-7405	EP115	Roof Exhaust Fan #6	EU100	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--	--	--	--	--	--
520-7195	EP117	1st Section Vacuum Roll Exhaust Fan	EU100	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--
520-7010	EP118	Dryer Hood Exhaust #1	EU100	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--
520-7200	EP119	3rd Section Vacuum Roll Exhaust Fan	EU100	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--
520-7015	EP120	Dryer Hood Exhaust #2	EU100	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--
520-7202	EP121	4th Section Vacuum Roll Exhaust Fan	EU100	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--
520-7035	EP122	Dryer Hood Exhaust #4	EU100	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--
520-7020	EP123	Dryer Hood Exhaust #3	EU100	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--
520-7205	EP124	5th Section Vacuum Roll Exhaust Fan	EU100	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--	--	--	--	--	--
--	EP131	No. 1 PM Vacuum Trench Exhaust Fan	EU100	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100Vacuum Trench	--	--	--	--	--	--	--	--	--	--	--	--
355-4015	EP132	Thickener Exhaust	EU100	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100OCC	--	--	--	--	--	--	--	--	--	--	--	--
510-7370	EP133	Saveall Exhaust	EU100	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU100OCC	--	--	--	--	--	--	--	--	--	--	--	--
--	~~EP201~~	~~White Top Thickener Exhaust Fan~~													
356-2040	EP204	Thickener Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200OCC	--	--	--	--	--	--	--	--	--	--	--	--
511-1940	EP206	Saveall Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200OCC	--	--	--	--	--	--	--	--	--	--	--	--
521-12760	EP208	Fourdrinier Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	--	--

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				Chromium (VI)	Cobalt	Hexane	Manganese	Mercury	Nickel	Selenium
				18540-29-9	7440-48-4	110-54-3	7439-96-5	7439-97-6	7440-02-0	7782-49-2
Facility ID	**EP**	**EP Description**	**EU**	0.01	0.00	6.80	0.00	0.00	0.01	0.00
--	EP90	Sump Pump Engine	EU90	--	--	--	--	--	--	--
--	EP91		EU91	--	--	--	--	--	--	--
--	EP92	Engine for Sump Pump on PM2	EU92	--	--	--	--	--	--	--
510-7375	EP104	Paper Machine #1 Pulper	EU100Pulper	--	--	--	--	--	--	--
520-7350	EP105	Fourdrinier Exhaust Fan #1	EU100	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--
520-7418	EP106	Roof Exhaust Fan #11	EU100	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--
520-7417	EP107	Roof Exhaust Fan #10	EU100	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--
520-7375	EP108	Roof Exhaust Fan #1	EU100	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--
520-7380	EP109	Roof Exhaust Fan #2	EU100	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--
520-7355	EP110	Fourdrinier Exhaust Fan #2	EU100	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--
520-7410	EP116	Roof Exhaust Fan #7	EU100	--	--	--	--	--	--	--
--	--	--	EU100Fourdrinier	--	--	--	--	--	--	--
520-7385	EP111	Roof Exhaust Fan #3	EU100	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--
520-7390	EP112	Roof Exhaust Fan #4	EU100	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--
520-7395	EP113	Roof Exhaust Fan #5	EU100	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--
520-7416	EP114	Roof Exhaust Fan #9	EU100	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--
520-7405	EP115	Roof Exhaust Fan #6	EU100	--	--	--	--	--	--	--
--	--	--	EU100Press	--	--	--	--	--	--	--
520-7195	EP117	1st Section Vacuum Roll Exhaust Fan	EU100	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--
520-7010	EP118	Dryer Hood Exhaust #1	EU100	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--
520-7200	EP119	3rd Section Vacuum Roll Exhaust Fan	EU100	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--
520-7015	EP120	Dryer Hood Exhaust #2	EU100	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--
520-7202	EP121	4th Section Vacuum Roll Exhaust Fan	EU100	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--
520-7035	EP122	Dryer Hood Exhaust #4	EU100	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--
520-7020	EP123	Dryer Hood Exhaust #3	EU100	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--
520-7205	EP124	5th Section Vacuum Roll Exhaust Fan	EU100	--	--	--	--	--	--	--
--	--	--	EU100Dryer	--	--	--	--	--	--	--
--	EP131	No. 1 PM Vacuum Trench Exhaust Fan	EU100	--	--	--	--	--	--	--
--	--	--	EU100Vacuum Trench	--	--	--	--	--	--	--
355-4015	EP132	Thickener Exhaust	EU100	--	--	--	--	--	--	--
--	--	--	EU100OCC	--	--	--	--	--	--	--
510-7370	EP133	Saveall Exhaust	EU100	--	--	--	--	--	--	--
--	--	--	EU100OCC	--	--	--	--	--	--	--
--	~~EP201~~	~~White Top Thickener Exhaust Fan~~								
356-2040	EP204	Thickener Exhaust Fan	EU200	--	--	--	--	--	--	--
--	--	--	EU200OCC	--	--	--	--	--	--	--
511-1940	EP206	Saveall Exhaust Fan	EU200	--	--	--	--	--	--	--
--	--	--	EU200OCC	--	--	--	--	--	--	--
521-12760	EP208	Fourdrinier Exhaust Fan	EU200	--	--	--	--	--	--	--

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

Facility ID	EP	EP Description	EU	EU Description	CE	SCC No.	Temperature	acfm	scfm	hr/yr	Capacity	Units
--	--	--	EU200Fourdrinier	Paper Machine #2 - Fourdrinier	None	30788801	--	--	--	--	2,255	tpd
521-12910	EP209	Roof Exhaust Fan #15	EU200	Paper Machine #2	None	30788801	58	60,000	61,158	8,760	2,255	tpd
--	--	--	EU200Fourdrinier	Paper Machine #2 - Fourdrinier	None	30788801	--	--	--	--	2,255	tpd
521-12820	EP210	Roof Exhaust Fan #5	EU200	Paper Machine #2	None	30788801	58	60,000	61,158	8,760	2,255	tpd
--	--	--	EU200Fourdrinier	Paper Machine #2 - Fourdrinier	None	30788801	--	--	--	--	2,255	tpd
521-12920	EP211	Roof Exhaust Fan #17	EU200	Paper Machine #2	None	30788801	58	60,000	61,158	8,760	2,255	tpd
--	--	--	EU200Fourdrinier	Paper Machine #2 - Fourdrinier	None	30788801	--	--	--	--	2,255	tpd
521-12915	EP212	Roof Exhaust Fan #16	EU200	Paper Machine #2	None	30788801	58	60,000	61,158	8,760	2,255	tpd
--	--	--	EU200Fourdrinier	Paper Machine #2 - Fourdrinier	None	30788801	--	--	--	--	2,255	tpd
521-12830	EP213	Roof Exhaust Fan #6	EU200	Paper Machine #2	None	30788801	58	60,000	61,158	8,760	2,255	tpd
--	--	--	EU200Fourdrinier	Paper Machine #2 - Fourdrinier	None	30788801	--	--	--	--	2,255	tpd
521-12840	EP214	Roof Exhaust Fan #7	EU200	Paper Machine #2	None	30788801	110	60,000	55,579	8,760	2,255	tpd
--	--	--	EU200Fourdrinier	Paper Machine #2 - Fourdrinier	None	30788801	--	--	--	--	2,255	tpd
521-12780	EP215	Bel-Liner Exhaust Fan	EU200	Paper Machine #2	None	30788801	130	32,000	28,637	8,760	2,255	tpd
--	--	--	EU200Fourdrinier	Paper Machine #2 - Fourdrinier	None	30788801	--	--	--	--	2,255	tpd
521-12850	EP216	Roof Exhaust Fan #8	EU200	Paper Machine #2	None	30788801	95	60,000	57,081	8,760	2,255	tpd
--	--	--	EU200Fourdrinier	Paper Machine #2 - Fourdrinier	None	30788801	--	--	--	--	2,255	tpd
521-12860	EP217	Roof Exhaust Fan #9	EU200	Paper Machine #2	None	30788801	95	60,000	57,081	8,760	2,255	tpd
--	--	--	EU200Fourdrinier	Paper Machine #2 - Fourdrinier	None	30788801	--	--	--	--	2,255	tpd
521-12905	EP218	Roof Exhaust Fan #14	EU200	Paper Machine #2	None	30788801	95	60,000	57,081	8,760	2,255	tpd
--	--	--	EU200Press	Paper Machine #2 - Press	None	30788801	--	--	--	--	2,255	tpd
521-12870	EP219	Roof Exhaust Fan #10	EU200	Paper Machine #2	None	30788801	95	60,000	57,081	8,760	2,255	tpd
--	--	--	EU200Press	Paper Machine #2 - Press	None	30788801	--	--	--	--	2,255	tpd
521-12880	EP220	Roof Exhaust Fan #11	EU200	Paper Machine #2	None	30788801	110	60,000	55,579	8,760	2,255	tpd
--	--	--	EU200Press	Paper Machine #2 - Press	None	30788801	--	--	--	--	2,255	tpd
521-12800	EP221	Press Pulper Exhaust Fan	EU200	Paper Machine #2	None	30788801	51	45,000	46,497	8,760	2,255	tpd
--	--	--	EU200Dryer	Paper Machine #2 - Dryer	None	30788801	--	--	--	--	2,255	tpd
521-12710	EP222	1st Section Vacuum Roll Exhaust Fan	EU200	Paper Machine #2	None	30788801	160	24,300	20,694	8,760	2,255	tpd
--	--	--	EU200Dryer	Paper Machine #2 - Dryer	None	30788801	--	--	--	--	2,255	tpd
521-12340	EP223	#1 Main Hood Exhaust Fan	EU200	Paper Machine #2	None	30788801	230	68,700	52,570	8,760	2,255	tpd
--	--	--	EU200Dryer	Paper Machine #2 - Dryer	None	30788801	--	--	--	--	2,255	tpd
521-12840	EP224	Main Hood Exhaust Fan #7	EU200	Paper Machine #2	None	30788801	120	60,000	54,621	8,760	2,255	tpd
--	--	--	EU200Dryer	Paper Machine #2 - Dryer	None	30788801	--	--	--	--	2,255	tpd
521-12350	EP225	Main Hood Exhaust Fan #2	EU200	Paper Machine #2	None	30788801	200	68,700	54,960	8,760	2,255	tpd
--	--	--	EU200Dryer	Paper Machine #2 - Dryer	None	30788801	--	--	--	--	2,255	tpd
521-12720	EP226	4th Section Vacuum Roll Exhaust Fan	EU200	Paper Machine #2	None	30788801	120	42,500	38,690	8,760	2,255	tpd
--	--	--	EU200Dryer	Paper Machine #2 - Dryer	None	30788801	--	--	--	--	2,255	tpd
521-12730	EP227	5th Section Vacuum Roll Exhaust Fan	EU200	Paper Machine #2	None	30788801	120	36,500	33,228	8,760	2,255	tpd
--	--	--	EU200Dryer	Paper Machine #2 - Dryer	None	30788801	--	--	--	--	2,255	tpd
521-12360	EP228	Main Hood Exhaust Fan #3	EU200	Paper Machine #2	None	30788801	185	68,700	56,238	8,760	2,255	tpd
--	--	--	EU200Dryer	Paper Machine #2 - Dryer	None	30788801	--	--	--	--	2,255	tpd
521-12365	EP231	After Hood Exhaust Fan #4	EU200	Paper Machine #2	None	30788801	170	48,000	40,229	8,760	2,255	tpd
--	--	--	EU200Dryer8	Paper Machine #2 - Dryer 8	None	30788801	--	--	--	--	2,255	tpd
521-12369	EP232	After Hood Exhaust Fan #6	EU200	Paper Machine #2	None	30788801	170	60,000	50,286	8,760	2,255	tpd
--	--	--	EU200Dryer8	Paper Machine #2 - Dryer 8	None	30788801	--	--	--	--	2,255	tpd
521-12367	EP233	After Hood Exhaust Fan #5	EU200	Paper Machine #2	None	30788801	170	48,000	40,229	8,760	2,255	tpd
--	--	--	EU200Dryer8	Paper Machine #2 - Dryer 8	None	30788801	--	--	--	--	2,255	tpd
--	EP248	Vacuum Trench Exhaust	EU200	Paper Machine #2	None	30788801	122	136,820	124,125	8,760	2,255	tpd
--	--	--	EU200VacuumTrench	Paper Machine #2 - Vacuum Trench	None	30788801	--	--	--	--	2,255	tpd
~~--~~	~~EP234~~	~~Roof Exhaust Fan~~					~~90~~	~~60,000~~	~~57,600~~			
~~--~~	~~EP242~~	~~Pulper Building Exhaust Fan~~					~~70~~	~~14,000~~	~~13,947~~			
~~--~~	~~EP243~~	~~Pulper Building Exhaust Fan~~					~~80~~	~~26,000~~	~~25,422~~			
~~--~~	~~EP244~~	~~Pulper Building Exhaust Fan~~					~~40~~	~~14,000~~	~~14,784~~			
~~--~~	~~EP245~~	~~Pulper Building Exhaust Fan~~					~~80~~	~~26,000~~	~~25,422~~			
~~--~~	~~EP246~~	~~Pulper Building Exhaust Fan~~					~~80~~	~~26,000~~	~~25,422~~			
~~--~~	~~EP247~~	~~Pulper Building Exhaust Fan~~					~~80~~	~~14,000~~	~~13,689~~			

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				PM									PM10								
				Rule			PTE EF			Uncontrolled			Rule			PTE EF			Uncontrolled		
				EF	units	PM	EF	units	PM	EF	units	PM	EF	units	PM-10	EF	units	PM-10	EF	units	PM-10
Facility ID	**EP**	**EP Description**	**EU**			180.85			163.33			1558.74			172.70			155.18			947.90
--	--	--	EU200Fourdrinier	--	--	--	2.89	lbs/hr	12.66	--	--	--	--	--	--	2.54	lbs/hr	11.13	--	--	--
521-12910	EP209	Roof Exhaust Fan #15	EU200	0.32	lbs/hr	1.40	--	--	--	0.32	lbs/hr	1.40	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12820	EP210	Roof Exhaust Fan #5	EU200	0.32	lbs/hr	1.40	--	--	--	0.32	lbs/hr	1.40	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12920	EP211	Roof Exhaust Fan #17	EU200	0.32	lbs/hr	1.40	--	--	--	0.32	lbs/hr	1.40	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12915	EP212	Roof Exhaust Fan #16	EU200	0.32	lbs/hr	1.40	--	--	--	0.32	lbs/hr	1.40	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12830	EP213	Roof Exhaust Fan #6	EU200	0.32	lbs/hr	1.40	--	--	--	0.32	lbs/hr	1.40	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12840	EP214	Roof Exhaust Fan #7	EU200	0.26	lbs/hr	1.14	--	--	--	0.26	lbs/hr	1.14	0.22	lbs/hr	0.96	--	--	--	0.22	lbs/hr	0.96
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12780	EP215	Bel-Liner Exhaust Fan	EU200	0.13	lbs/hr	0.57	--	--	--	0.13	lbs/hr	0.57	0.11	lbs/hr	0.48	--	--	--	0.11	lbs/hr	0.48
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12850	EP216	Roof Exhaust Fan #8	EU200	0.3	lbs/hr	1.31	--	--	--	0.3	lbs/hr	1.31	0.3	lbs/hr	1.31	--	--	--	0.3	lbs/hr	1.31
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12860	EP217	Roof Exhaust Fan #9	EU200	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18	0.23	lbs/hr	1.01	--	--	--	0.23	lbs/hr	1.01
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12905	EP218	Roof Exhaust Fan #14	EU200	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18	0.23	lbs/hr	1.01	--	--	--	0.23	lbs/hr	1.01
--	--	--	EU200Press	--	--	--	0.8	lbs/hr	3.50	--	--	--	--	--	--	0.68	lbs/hr	2.98	--	--	--
521-12870	EP219	Roof Exhaust Fan #10	EU200	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18	0.23	lbs/hr	1.01	--	--	--	0.23	lbs/hr	1.01
--	--	--	EU200Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12880	EP220	Roof Exhaust Fan #11	EU200	0.26	lbs/hr	1.14	--	--	--	0.26	lbs/hr	1.14	0.22	lbs/hr	0.96	--	--	--	0.22	lbs/hr	0.96
--	--	--	EU200Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12800	EP221	Press Pulper Exhaust Fan	EU200	0.08	lbs/hr	0.35	--	--	--	0.08	lbs/hr	0.35	0.07	lbs/hr	0.31	--	--	--	0.07	lbs/hr	0.31
--	--	--	EU200Dryer	--	--	--	2.43	lbs/hr	10.64	--	--	--	--	--	--	2.07	lbs/hr	9.07	--	--	--
521-12710	EP222	1st Section Vacuum Roll Exhaust Fan	EU200	0.14	lbs/hr	0.61	--	--	--	0.14	lbs/hr	0.61	0.1	lbs/hr	0.44	--	--	--	0.1	lbs/hr	0.44
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12340	EP223	#1 Main Hood Exhaust Fan	EU200	0.35	lbs/hr	1.53	--	--	--	0.35	lbs/hr	1.53	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12840	EP224	Main Hood Exhaust Fan #7	EU200	0.36	lbs/hr	1.58	--	--	--	0.36	lbs/hr	1.58	0.28	lbs/hr	1.23	--	--	--	0.28	lbs/hr	1.23
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12350	EP225	Main Hood Exhaust Fan #2	EU200	0.36	lbs/hr	1.58	--	--	--	0.36	lbs/hr	1.58	0.28	lbs/hr	1.23	--	--	--	0.28	lbs/hr	1.23
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12720	EP226	4th Section Vacuum Roll Exhaust Fan	EU200	0.25	lbs/hr	1.10	--	--	--	0.25	lbs/hr	1.10	0.2	lbs/hr	0.88	--	--	--	0.2	lbs/hr	0.88
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12730	EP227	5th Section Vacuum Roll Exhaust Fan	EU200	0.33	lbs/hr	1.45	--	--	--	0.33	lbs/hr	1.45	0.32	lbs/hr	1.40	--	--	--	0.32	lbs/hr	1.40
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12360	EP228	Main Hood Exhaust Fan #3	EU200	0.56	lbs/hr	2.45	--	--	--	0.56	lbs/hr	2.45	0.55	lbs/hr	2.41	--	--	--	0.55	lbs/hr	2.41
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12365	EP231	After Hood Exhaust Fan #4	EU200	0.48	lbs/hr	2.10	--	--	--	0.48	lbs/hr	2.10	0.47	lbs/hr	2.06	--	--	--	0.47	lbs/hr	2.06
--	--	--	EU200Dryer8	--	--	--	1.57	lbs/hr	6.88	--	--	--	--	--	--	1.52	lbs/hr	6.66	--	--	--
521-12369	EP232	After Hood Exhaust Fan #6	EU200	0.61	lbs/hr	2.67	--	--	--	0.61	lbs/hr	2.67	0.58	lbs/hr	2.54	--	--	--	0.58	lbs/hr	2.54
--	--	--	EU200Dryer8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12367	EP233	After Hood Exhaust Fan #5	EU200	0.48	lbs/hr	2.10	--	--	--	0.48	lbs/hr	2.10	0.47	lbs/hr	2.06	--	--	--	0.47	lbs/hr	2.06
--	--	--	EU200Dryer8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	EP248	Vacuum Trench Exhaust	EU200	0.73	lbs/hr	3.20	--	--	--	0.73	lbs/hr	3.20	0.73	lbs/hr	3.20	--	--	--	0.73	lbs/hr	3.20
--	--	--	EU200VacuumTrench	--	--	--	0.73	lbs/hr	3.20	--	--	--	--	--	--	0.73	lbs/hr	3.20	--	--	--
~~--~~	~~EP234~~	~~Roof Exhaust Fan~~																			
~~--~~	~~EP242~~	~~Pulper Building Exhaust Fan~~																			
~~--~~	~~EP243~~	~~Pulper Building Exhaust Fan~~																			
~~--~~	~~EP244~~	~~Pulper Building Exhaust Fan~~																			
~~--~~	~~EP245~~	~~Pulper Building Exhaust Fan~~																			
~~--~~	~~EP246~~	~~Pulper Building Exhaust Fan~~																			
~~--~~	~~EP247~~	~~Pulper Building Exhaust Fan~~																			

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EIQ# 92-9025

Facility# 57-01-153

				PM2.5									SOx								
				Rule			PTE EF			Uncontrolled			Rule			PTE EF			Uncontrolled		
				EF	units	PM-2.5	EF	units	PM-2.5	EF	units	PM-2.5	EF	units	SOx	EF	units	Sox	EF	units	Sox
Facility ID	**EP**	**EP Description**	**EU**			172.70			136.61			947.90			9.51			0.18			9.51
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12910	EP209	Roof Exhaust Fan #15	EU200	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12820	EP210	Roof Exhaust Fan #5	EU200	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12920	EP211	Roof Exhaust Fan #17	EU200	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12915	EP212	Roof Exhaust Fan #16	EU200	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12830	EP213	Roof Exhaust Fan #6	EU200	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12840	EP214	Roof Exhaust Fan #7	EU200	0.22	lbs/hr	0.96	--	--	--	0.22	lbs/hr	0.96	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12780	EP215	Bel-Liner Exhaust Fan	EU200	0.11	lbs/hr	0.48	--	--	--	0.11	lbs/hr	0.48	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12850	EP216	Roof Exhaust Fan #8	EU200	0.3	lbs/hr	1.31	--	--	--	0.3	lbs/hr	1.31	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12860	EP217	Roof Exhaust Fan #9	EU200	0.23	lbs/hr	1.01	--	--	--	0.23	lbs/hr	1.01	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12905	EP218	Roof Exhaust Fan #14	EU200	0.23	lbs/hr	1.01	--	--	--	0.23	lbs/hr	1.01	--	--	--	--	--	--	--	--	--
--	--	--	EU200Press	--	--	--	0.586	lbs/hr	2.57	--	--	--	--	--	--	--	--	--	--	--	--
521-12870	EP219	Roof Exhaust Fan #10	EU200	0.23	lbs/hr	1.01	--	--	--	0.23	lbs/hr	1.01	--	--	--	--	--	--	--	--	--
--	--	--	EU200Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12880	EP220	Roof Exhaust Fan #11	EU200	0.22	lbs/hr	0.96	--	--	--	0.22	lbs/hr	0.96	--	--	--	--	--	--	--	--	--
--	--	--	EU200Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12800	EP221	Press Pulper Exhaust Fan	EU200	0.07	lbs/hr	0.31	--	--	--	0.07	lbs/hr	0.31	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	1.782	lbs/hr	7.81	--	--	--	--	--	--	--	--	--	--	--	--
521-12710	EP222	1st Section Vacuum Roll Exhaust Fan	EU200	0.1	lbs/hr	0.44	--	--	--	0.1	lbs/hr	0.44	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12340	EP223	#1 Main Hood Exhaust Fan	EU200	0.27	lbs/hr	1.18	--	--	--	0.27	lbs/hr	1.18	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12840	EP224	Main Hood Exhaust Fan #7	EU200	0.28	lbs/hr	1.23	--	--	--	0.28	lbs/hr	1.23	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12350	EP225	Main Hood Exhaust Fan #2	EU200	0.28	lbs/hr	1.23	--	--	--	0.28	lbs/hr	1.23	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12720	EP226	4th Section Vacuum Roll Exhaust Fan	EU200	0.2	lbs/hr	0.88	--	--	--	0.2	lbs/hr	0.88	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12730	EP227	5th Section Vacuum Roll Exhaust Fan	EU200	0.32	lbs/hr	1.40	--	--	--	0.32	lbs/hr	1.40	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12360	EP228	Main Hood Exhaust Fan #3	EU200	0.55	lbs/hr	2.41	--	--	--	0.55	lbs/hr	2.41	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12365	EP231	After Hood Exhaust Fan #4	EU200	0.47	lbs/hr	2.06	--	--	--	0.47	lbs/hr	2.06	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer8	--	--	--	1.31	lbs/hr	5.74	--	--	--	--	--	--	--	--	--	--	--	--
521-12369	EP232	After Hood Exhaust Fan #6	EU200	0.58	lbs/hr	2.54	--	--	--	0.58	lbs/hr	2.54	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12367	EP233	After Hood Exhaust Fan #5	EU200	0.47	lbs/hr	2.06	--	--	--	0.47	lbs/hr	2.06	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	EP248	Vacuum Trench Exhaust	EU200	0.73	lbs/hr	3.20	--	--	--	0.73	lbs/hr	3.20	--	--	--	--	--	--	--	--	--
--	--	--	EU200VacuumTrench	--	--	--	0.628603	lbs/hr	2.75	--	--	--	--	--	--	--	--	--	--	--	--
~~--~~	~~EP234~~	~~Roof Exhaust Fan~~																			
~~--~~	~~EP242~~	~~Pulper Building Exhaust Fan~~																			
~~--~~	~~EP243~~	~~Pulper Building Exhaust Fan~~																			
~~--~~	~~EP244~~	~~Pulper Building Exhaust Fan~~																			
~~--~~	~~EP245~~	~~Pulper Building Exhaust Fan~~																			
~~--~~	~~EP246~~	~~Pulper Building Exhaust Fan~~																			
~~--~~	~~EP247~~	~~Pulper Building Exhaust Fan~~																			

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EIQ# 92-9025

Facility# 57-01-153

				NOx									VOC								
				Rule			PTE EF			Uncontrolled			Rule			PTE EF			Uncontrolled		
				EF	units	NOx	EF	units	NOx	EF	units	NOx	EF	units	VOC	EF	units	VOC	EF	units	VOC
Facility ID	**EP**	**EP Description**	**EU**			100.06			385.92			414.93			172.00			196.71			242.46
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	15.85	lbs/hr	69.42	--	--	--
521-12910	EP209	Roof Exhaust Fan #15	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12820	EP210	Roof Exhaust Fan #5	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12920	EP211	Roof Exhaust Fan #17	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12915	EP212	Roof Exhaust Fan #16	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12830	EP213	Roof Exhaust Fan #6	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12840	EP214	Roof Exhaust Fan #7	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12780	EP215	Bel-Liner Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12850	EP216	Roof Exhaust Fan #8	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12860	EP217	Roof Exhaust Fan #9	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12905	EP218	Roof Exhaust Fan #14	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12870	EP219	Roof Exhaust Fan #10	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12880	EP220	Roof Exhaust Fan #11	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12800	EP221	Press Pulper Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12710	EP222	1st Section Vacuum Roll Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12340	EP223	#1 Main Hood Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12840	EP224	Main Hood Exhaust Fan #7	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12350	EP225	Main Hood Exhaust Fan #2	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12720	EP226	4th Section Vacuum Roll Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12730	EP227	5th Section Vacuum Roll Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12360	EP228	Main Hood Exhaust Fan #3	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12365	EP231	After Hood Exhaust Fan #4	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12369	EP232	After Hood Exhaust Fan #6	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12367	EP233	After Hood Exhaust Fan #5	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	EP248	Vacuum Trench Exhaust	EU200	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200VacuumTrench	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
~~--~~	~~EP234~~	~~Roof Exhaust Fan~~																			
~~--~~	~~EP242~~	~~Pulper Building Exhaust Fan~~																			
~~--~~	~~EP243~~	~~Pulper Building Exhaust Fan~~																			
~~--~~	~~EP244~~	~~Pulper Building Exhaust Fan~~																			
~~--~~	~~EP245~~	~~Pulper Building Exhaust Fan~~																			
~~--~~	~~EP246~~	~~Pulper Building Exhaust Fan~~																			
~~--~~	~~EP247~~	~~Pulper Building Exhaust Fan~~																			

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				CO											Acetaldehyde	1,3 Butadiene	Biphenyl	Bromoform
				Rule			PTE EF			Uncontrolled								
Facility ID	**EP**	**EP Description**	**EU**	**EF**	**units**	**CO**	**EF**	**units**	**CO**	**EF**	**units**	**CO**	**Lead**	**HAP totals**	**Max SHAP**	**75-07-0**	**106-99-0**	**92-52-4**	**75-25-2**
Facility ID	**EP**	**EP Description**	**EU**			99.45			114.23			114.46	0.02	102.16	47.22	9.54	0.00	3.06	1.31
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	44.48	15.76	5.06	--	1.56	0.74
521-12910	EP209	Roof Exhaust Fan #15	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12820	EP210	Roof Exhaust Fan #5	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12920	EP211	Roof Exhaust Fan #17	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12915	EP212	Roof Exhaust Fan #16	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12830	EP213	Roof Exhaust Fan #6	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12840	EP214	Roof Exhaust Fan #7	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12780	EP215	Bel-Liner Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12850	EP216	Roof Exhaust Fan #8	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12860	EP217	Roof Exhaust Fan #9	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12905	EP218	Roof Exhaust Fan #14	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12870	EP219	Roof Exhaust Fan #10	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12880	EP220	Roof Exhaust Fan #11	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200Press	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12800	EP221	Press Pulper Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12710	EP222	1st Section Vacuum Roll Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12340	EP223	#1 Main Hood Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12840	EP224	Main Hood Exhaust Fan #7	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12350	EP225	Main Hood Exhaust Fan #2	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12720	EP226	4th Section Vacuum Roll Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12730	EP227	5th Section Vacuum Roll Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12360	EP228	Main Hood Exhaust Fan #3	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12365	EP231	After Hood Exhaust Fan #4	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200Dryer8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12369	EP232	After Hood Exhaust Fan #6	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200Dryer8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-12367	EP233	After Hood Exhaust Fan #5	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200Dryer8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	EP248	Vacuum Trench Exhaust	EU200	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	--	--	EU200VacuumTrench	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
~~--~~	~~EP234~~	~~Roof Exhaust Fan~~																	
~~--~~	~~EP242~~	~~Pulper Building Exhaust Fan~~																	
~~--~~	~~EP243~~	~~Pulper Building Exhaust Fan~~																	
~~--~~	~~EP244~~	~~Pulper Building Exhaust Fan~~																	
~~--~~	~~EP245~~	~~Pulper Building Exhaust Fan~~																	
~~--~~	~~EP246~~	~~Pulper Building Exhaust Fan~~																	
~~--~~	~~EP247~~	~~Pulper Building Exhaust Fan~~																	

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

Facility ID	EP	EP Description	EU	Carbon disulfide 75-15-0	Formaldehyde 50-00-0	Methanol 67-56-1	Bromomethane 74-83-9	Chloromethane 74-87-3	Ethylene Glycol 107-21-1	Methylene Chloride 75-09-2	1,1,2-Trichloroethane 71-55-6	Naphthalene 91203	Phenol 108-95-2
				1.75	8.00	29.51	0.14	0.29	8.93	5.32	0.18	0.45	2.58
--	--	--	EU200Fourdrinier	0.80	4.24	15.76	0.08	0.16	--	1.31	0.10	0.00	1.35
521-12910	EP209	Roof Exhaust Fan #15	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--
521-12820	EP210	Roof Exhaust Fan #5	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--
521-12920	EP211	Roof Exhaust Fan #17	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--
521-12915	EP212	Roof Exhaust Fan #16	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--
521-12830	EP213	Roof Exhaust Fan #6	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--
521-12840	EP214	Roof Exhaust Fan #7	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--
521-12780	EP215	Bel-Liner Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--
521-12850	EP216	Roof Exhaust Fan #8	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--
521-12860	EP217	Roof Exhaust Fan #9	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--
521-12905	EP218	Roof Exhaust Fan #14	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Press	--	--	--	--	--	--	--	--	--	--
521-12870	EP219	Roof Exhaust Fan #10	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Press	--	--	--	--	--	--	--	--	--	--
521-12880	EP220	Roof Exhaust Fan #11	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Press	--	--	--	--	--	--	--	--	--	--
521-12800	EP221	Press Pulper Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--
521-12710	EP222	1st Section Vacuum Roll Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--
521-12340	EP223	#1 Main Hood Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--
521-12840	EP224	Main Hood Exhaust Fan #7	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--
521-12350	EP225	Main Hood Exhaust Fan #2	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--
521-12720	EP226	4th Section Vacuum Roll Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--
521-12730	EP227	5th Section Vacuum Roll Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--
521-12360	EP228	Main Hood Exhaust Fan #3	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--
521-12365	EP231	After Hood Exhaust Fan #4	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer8	--	--	--	--	--	--	--	--	--	--
521-12369	EP232	After Hood Exhaust Fan #6	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer8	--	--	--	--	--	--	--	--	--	--
521-12367	EP233	After Hood Exhaust Fan #5	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer8	--	--	--	--	--	--	--	--	--	--
--	EP248	Vacuum Trench Exhaust	EU200	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200VacuumTrench	--	--	--	--	--	--	--	--	--	--
~~--~~	~~EP234~~	~~Roof Exhaust Fan~~											
~~--~~	~~EP242~~	~~Pulper Building Exhaust Fan~~											
~~--~~	~~EP243~~	~~Pulper Building Exhaust Fan~~											
~~--~~	~~EP244~~	~~Pulper Building Exhaust Fan~~											
~~--~~	~~EP245~~	~~Pulper Building Exhaust Fan~~											
~~--~~	~~EP246~~	~~Pulper Building Exhaust Fan~~											
~~--~~	~~EP247~~	~~Pulper Building Exhaust Fan~~											

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				Propionaldehyde	Toluene	Vinyl acetate	Xylene, mixed isomers	Ethylene Oxide	Propylene Oxide	Acrylamide	Acrolein	Arsenic	Benzene	Beryllium	Cadmium
				123-38-6	108-88-3	108-05-4	1330-20-7	75-21-8	75-56-9	79-06-1	107-02-8	7440-38-2	71-43-2	7440-41-7	7440-43-9
Facility ID	**EP**	**EP Description**	**EU**	2.61	8.50	11.66	1.50	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
--	--	--	EU200Fourdrinier	1.27	4.65	6.54	0.84	--	--	--	--	--	--	--	--
521-12910	EP209	Roof Exhaust Fan #15	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--
521-12820	EP210	Roof Exhaust Fan #5	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--
521-12920	EP211	Roof Exhaust Fan #17	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--
521-12915	EP212	Roof Exhaust Fan #16	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--
521-12830	EP213	Roof Exhaust Fan #6	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--
521-12840	EP214	Roof Exhaust Fan #7	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--
521-12780	EP215	Bel-Liner Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--
521-12850	EP216	Roof Exhaust Fan #8	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--
521-12860	EP217	Roof Exhaust Fan #9	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--	--	--	--	--	--
521-12905	EP218	Roof Exhaust Fan #14	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Press	--	--	--	--	--	--	--	--	--	--	--	--
521-12870	EP219	Roof Exhaust Fan #10	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Press	--	--	--	--	--	--	--	--	--	--	--	--
521-12880	EP220	Roof Exhaust Fan #11	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Press	--	--	--	--	--	--	--	--	--	--	--	--
521-12800	EP221	Press Pulper Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--
521-12710	EP222	1st Section Vacuum Roll Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--
521-12340	EP223	#1 Main Hood Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--
521-12840	EP224	Main Hood Exhaust Fan #7	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--
521-12350	EP225	Main Hood Exhaust Fan #2	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--
521-12720	EP226	4th Section Vacuum Roll Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--
521-12730	EP227	5th Section Vacuum Roll Exhaust Fan	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--
521-12360	EP228	Main Hood Exhaust Fan #3	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--	--	--	--	--	--
521-12365	EP231	After Hood Exhaust Fan #4	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer8	--	--	--	--	--	--	--	--	--	--	--	--
521-12369	EP232	After Hood Exhaust Fan #6	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer8	--	--	--	--	--	--	--	--	--	--	--	--
521-12367	EP233	After Hood Exhaust Fan #5	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200Dryer8	--	--	--	--	--	--	--	--	--	--	--	--
--	EP248	Vacuum Trench Exhaust	EU200	--	--	--	--	--	--	--	--	--	--	--	--
--	--	--	EU200VacuumTrench	--	--	--	--	--	--	--	--	--	--	--	--
~~--~~	~~EP234~~	~~Roof Exhaust Fan~~													
~~--~~	~~EP242~~	~~Pulper Building Exhaust Fan~~													
~~--~~	~~EP243~~	~~Pulper Building Exhaust Fan~~													
~~--~~	~~EP244~~	~~Pulper Building Exhaust Fan~~													
~~--~~	~~EP245~~	~~Pulper Building Exhaust Fan~~													
~~--~~	~~EP246~~	~~Pulper Building Exhaust Fan~~													
~~--~~	~~EP247~~	~~Pulper Building Exhaust Fan~~													

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				Chromium (VI)	Cobalt	Hexane	Manganese	Mercury	Nickel	Selenium
				18540-29-9	7440-48-4	110-54-3	7439-96-5	7439-97-6	7440-02-0	7782-49-2
Facility ID	**EP**	**EP Description**	**EU**	0.01	0.00	6.80	0.00	0.00	0.01	0.00
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--
521-12910	EP209	Roof Exhaust Fan #15	EU200	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--
521-12820	EP210	Roof Exhaust Fan #5	EU200	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--
521-12920	EP211	Roof Exhaust Fan #17	EU200	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--
521-12915	EP212	Roof Exhaust Fan #16	EU200	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--
521-12830	EP213	Roof Exhaust Fan #6	EU200	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--
521-12840	EP214	Roof Exhaust Fan #7	EU200	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--
521-12780	EP215	Bel-Liner Exhaust Fan	EU200	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--
521-12850	EP216	Roof Exhaust Fan #8	EU200	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--
521-12860	EP217	Roof Exhaust Fan #9	EU200	--	--	--	--	--	--	--
--	--	--	EU200Fourdrinier	--	--	--	--	--	--	--
521-12905	EP218	Roof Exhaust Fan #14	EU200	--	--	--	--	--	--	--
--	--	--	EU200Press	--	--	--	--	--	--	--
521-12870	EP219	Roof Exhaust Fan #10	EU200	--	--	--	--	--	--	--
--	--	--	EU200Press	--	--	--	--	--	--	--
521-12880	EP220	Roof Exhaust Fan #11	EU200	--	--	--	--	--	--	--
--	--	--	EU200Press	--	--	--	--	--	--	--
521-12800	EP221	Press Pulper Exhaust Fan	EU200	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--
521-12710	EP222	1st Section Vacuum Roll Exhaust Fan	EU200	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--
521-12340	EP223	#1 Main Hood Exhaust Fan	EU200	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--
521-12840	EP224	Main Hood Exhaust Fan #7	EU200	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--
521-12350	EP225	Main Hood Exhaust Fan #2	EU200	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--
521-12720	EP226	4th Section Vacuum Roll Exhaust Fan	EU200	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--
521-12730	EP227	5th Section Vacuum Roll Exhaust Fan	EU200	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--
521-12360	EP228	Main Hood Exhaust Fan #3	EU200	--	--	--	--	--	--	--
--	--	--	EU200Dryer	--	--	--	--	--	--	--
521-12365	EP231	After Hood Exhaust Fan #4	EU200	--	--	--	--	--	--	--
--	--	--	EU200Dryer8	--	--	--	--	--	--	--
521-12369	EP232	After Hood Exhaust Fan #6	EU200	--	--	--	--	--	--	--
--	--	--	EU200Dryer8	--	--	--	--	--	--	--
521-12367	EP233	After Hood Exhaust Fan #5	EU200	--	--	--	--	--	--	--
--	--	--	EU200Dryer8	--	--	--	--	--	--	--
--	EP248	Vacuum Trench Exhaust	EU200	--	--	--	--	--	--	--
--	--	--	EU200VacuumTrench	--	--	--	--	--	--	--
~~--~~	~~EP234~~	~~Roof Exhaust Fan~~								
~~--~~	~~EP242~~	~~Pulper Building Exhaust Fan~~								
~~--~~	~~EP243~~	~~Pulper Building Exhaust Fan~~								
~~--~~	~~EP244~~	~~Pulper Building Exhaust Fan~~								
~~--~~	~~EP245~~	~~Pulper Building Exhaust Fan~~								
~~--~~	~~EP246~~	~~Pulper Building Exhaust Fan~~								
~~--~~	~~EP247~~	~~Pulper Building Exhaust Fan~~								

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

Facility ID	EP	EP Description	EU	EU Description	CE	SCC No.	Temperature	acfm	scfm	hr/yr	Capacity	Units
356-3267	EP249	#1 Pulper Roof Exhaust Fan	EU200Pulper	Paper Machine #2 - Pulper	None	30788801	80	76,705	75,000	8,760	2,115	tpd
356-3268	EP250	#2 Pulper Roof Exhaust Fan	EU200Pulper	Paper Machine #2 - Pulper	None	30788801	80	76,705	75,000	8,760	2,115	tpd
356-3269	EP251	White Top Pulper Roof Exhaust Fan	EU200Pulper	Paper Machine #2 - Pulper	None	30788801	80	76,705	75,000	8,760	2,115	tpd
--	EP300	Cationic Starch Silo	EU300	Cationic Starch Silo	Baghouse	30799998	70	1,004	1,000	8,760	15	tph
--	EP301	Size Press Starch Silo	EU301	Size Press Starch Silo	Baghouse	30799998	70	1,004	1,000	8,760	15	tph
521-349-12980	EP400	AMU 7 - Mill 2	EU400	Air Make Up Unit #7 - Mill 2	None	10200602	68	100	100	8,760	10	MMBtu/hr
--	EP401	PM #1 Mill Water Cooling Tower	EU401	PM #1 Mill Water Cooling Tower	Drift Eliminator	38500101	62	142,314	143,950	8,760	150,000	gal/hr
--	EP402	PM #1 Vacuum Cooling Tower	EU402	PM #1 Vacuum Cooling Tower	Drift Eliminator	38500101	95	109,003	103,700	8,760	105,000	gal/hr
--	EP403	PM #2 Mill Water Cooling Tower	EU403	PM #2 Mill Water Cooling Tower	Drift Eliminator	38500101	62	299,142	302,580	8,760	258,000	gal/hr
--	EP404	No. 2 Paper Machine Vacuum Cooling Tower	EU404	PM #2 Vacuum Cooling Tower	Drift Eliminator	38500101	95	318,053	302,580	8,760	105,000	gal/hr
356-350-3250	EP405	Pulper Building Air Make-Up Unit 1	EU405	Pulper Building AMU #1	None	10200602	68	100,000	100,000	8,760	10.44	MMBtu/hr
356-350-3255	EP406	Pulper Building Air Make-Up Unit 2	EU406	Pulper Building AMU #2	None	10200602	68	100,000	100,000	8,760	10.44	MMBtu/hr
521-349-13015	EP407	AMU 10 - Mill 2	EU407	Air Make Up Unit #10 - Mill 2	None	10200602	68	100	100	8,760	10.75	MMBtu/hr
--	EP408	Power Boiler 1	EU408	Power Boiler 1	Low NOX Burners (2)	10200602	297	125,905	87,817	8,760	419	MMBtu/hr
--	--	--	--	--	Flue Gas Recirculation	--	--	--	--	--	--	--
--	EP409	Power Boiler 2	EU409	Power Boiler 2	Low NOX Burners (2)	10200602	297	125,905	87,817	8,760	419	MMBtu/hr
--	--	--	--	--	Flue Gas Recirculation	--	--	--	--	--	--	--
520-7700	EP501A	Paper Machine #1 High Density Storage (A)	EU501	High Density Storage	None	30788801	100	100	94	8,760	139,800	gal/hr
520-7700	EP501B	Paper Machine #1 High Density Storage (B)	--	High Density Storage	None	30788801	100	100	94	8,760	139,800	gal/hr
--	EP502	PM #2 - Bottom Sheet High Density Storage	EU502	PM #2 Bottom Sheet High Density Storage	None	30788801	100	100	94	8,760	112,200	gal/hr
--	EP503	PM #2 - Top Sheet High Density Storage	EU503	PM #2 Top Sheet High Density Storage	None	30788801	100	100	94	8,760	60,600	gal/hr
Insignificant Sources												
7910	--	--	7910	#2 Machine Building South Crane Hatch	--	--	--	--	--	8,760	0.85	MMBtu/hr
350-7011	--	--	350-7011	OCC Bale Warehouse Air Make Unit #8	--	--	--	--	--	8,760	7.20	MMBtu/hr
350-7012	--	--	350-7012	Shipping Air Make Unit #10	--	--	--	--	--	8,760	7.90	MMBtu/hr
350-349-8240	--	--	350-349-8240	OCC Bale Storage Air Make Up Unit #1	--	--	--	--	--	8,760	2.20	MMBtu/hr
350-349-8250	--	--	350-349-8250	OCC Bale Storage Air Make Up Unit #2	--	--	--	--	--	8,760	2.20	MMBtu/hr
350-349-8260	--	--	350-349-8260	OCC Bale Storage Air Make Up Unit #3	--	--	--	--	--	8,760	2.20	MMBtu/hr
350-448-7040	--	--	350-448-7040	OCC Bale Warehouse Unit Heater #1 Reznor	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-7050	--	--	350-448-7050	OCC Bale Warehouse Unit Heater #2	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-7060	--	--	350-448-7060	OCC Bale Warehouse Unit Heater #3	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-7080	--	--	350-448-7080	OCC Bale Warehouse Unit Heater #5	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-7090	--	--	350-448-7090	OCC Bale Warehouse Unit Heater #6	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-7095	--	--	350-448-7095	OCC Bale Warehouse Unit Heater #7	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-7096	--	--	350-448-7096	OCC Bale Warehouse Unit Heater #8	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-7100	--	--	350-448-7100	OCC Bale Warehouse Door Heater #3	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-7110	--	--	350-448-7110	OCC Bale Warehouse Door Heater #4	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-7120	--	--	350-448-7120	OCC Bale Warehouse Door Heater #5	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-7130	--	--	350-448-7130	OCC Bale Warehouse Door Heater #6	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-7140	--	--	350-448-7140	OCC Bale Warehouse Door Heater #7	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-7150	--	--	350-448-7150	OCC Bale Warehouse Door Heater #8	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-7160	--	--	350-448-7160	OCC Bale Warehouse Door Heater #1	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-7170	--	--	350-448-7170	OCC Bale Warehouse Door Heater #2	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8330	--	--	350-448-8330	OCC Bale Storage Unit Heater #1	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8340	--	--	350-448-8340	OCC Bale Storage Unit Heater #2	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8350	--	--	350-448-8350	OCC Bale Storage Unit Heater #3	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8360	--	--	350-448-8360	OCC Bale Storage Unit Heater #4	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8370	--	--	350-448-8370	OCC Bale Storage Unit Heater #5	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8380	--	--	350-448-8380	OCC Bale Storage Unit Heater #6	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8390	--	--	350-448-8390	OCC Bale Storage Unit Heater #7	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8400	--	--	350-448-8400	OCC Bale Storage Unit Heater #8	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8410	--	--	350-448-8410	OCC Bale Storage Unit Heater #9	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8420	--	--	350-448-8420	OCC Bale Storage Unit Heater #10	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8430	--	--	350-448-8430	OCC Bale Storage Unit Heater #11	--	--	--	--	--	8,760	0.40	MMBtu/hr

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				PM									PM10								
				Rule			PTE EF			Uncontrolled			Rule			PTE EF			Uncontrolled		
				EF	units	PM	EF	units	PM	EF	units	PM	EF	units	PM-10	EF	units	PM-10	EF	units	PM-10
Facility ID	**EP**	**EP Description**	**EU**			180.85			163.33			1558.74			172.70			155.18			947.90
356-3267	EP249	#1 Pulper Roof Exhaust Fan	EU200Pulper	0.39	lbs/hr	1.71	1.17	lbs/hr	5.12	0.39	lbs/hr	1.71	0.34	lbs/hr	1.49	1.02	lbs/hr	4.47	0.34	lbs/hr	1.49
356-3268	EP250	#2 Pulper Roof Exhaust Fan	EU200Pulper	0.39	lbs/hr	1.71	--	--	--	0.39	lbs/hr	1.71	0.34	lbs/hr	1.49	--	--	--	0.34	lbs/hr	1.49
356-3269	EP251	White Top Pulper Roof Exhaust Fan	EU200Pulper	0.39	lbs/hr	1.71	--	--	--	0.39	lbs/hr	1.71	0.34	lbs/hr	1.49	--	--	--	0.34	lbs/hr	1.49
--	EP300	Cationic Starch Silo	EU300	0.86	lbs/hr	3.77	0.86	lbs/hr	3.77	86.00	lbs/hr	376.68	0.86	lbs/hr	3.77	0.86	lbs/hr	3.77	17.20	lbs/hr	75.34
--	EP301	Size Press Starch Silo	EU301	0.86	lbs/hr	3.77	0.86	lbs/hr	3.77	86.00	lbs/hr	376.68	0.86	lbs/hr	3.77	0.86	lbs/hr	3.77	17.20	lbs/hr	75.34
521-349-12980	EP400	AMU 7 - Mill 2	EU400	0.075	lbs/hr	0.33	7.6	lb/MMcf	0.33	7.6	lb/MMcf	0.33	0.075	lbs/hr	0.33	7.6	lb/MMcf	0.33	7.6	lb/MMcf	0.33
--	EP401	PM #1 Mill Water Cooling Tower	EU401	1.02	lbs/hr	4.47	1.02	lbs/hr	4.47	10.2	lbs/hr	44.68	1.02	lbs/hr	4.47	1.02	lbs/hr	4.47	10.2	lbs/hr	44.68
--	EP402	PM #1 Vacuum Cooling Tower	EU402	12.07	lbs/hr	52.87	12.07	lbs/hr	52.87	120.7	lbs/hr	528.67	12.07	lbs/hr	52.87	12.07	lbs/hr	52.87	120.7	lbs/hr	528.67
--	EP403	PM #2 Mill Water Cooling Tower	EU403	2.14	lbs/hr	9.37	2.14	lbs/hr	9.37	21.4	lbs/hr	93.73	2.14	lbs/hr	9.37	2.14	lbs/hr	9.37	21.4	lbs/hr	93.73
--	EP404	No. 2 Paper Machine Vacuum Cooling Tower	EU404	0.84	lbs/hr	3.68	0.84	lbs/hr	3.68	8.4	lbs/hr	36.79	0.84	lbs/hr	3.68	0.84	lbs/hr	3.68	8.4	lbs/hr	36.79
356-350-3250	EP405	Pulper Building Air Make-Up Unit 1	EU405	0.078	lbs/hr	0.34	7.6	lb/MMcf	0.34	7.6	lb/MMcf	0.34	0.078	lbs/hr	0.34	7.6	lb/MMcf	0.34	7.6	lb/MMcf	0.34
356-350-3255	EP406	Pulper Building Air Make-Up Unit 2	EU406	0.078	lbs/hr	0.34	7.6	lb/MMcf	0.34	7.6	lb/MMcf	0.34	0.078	lbs/hr	0.34	7.6	lb/MMcf	0.34	7.6	lb/MMcf	0.34
521-349-13015	EP407	AMU 10 - Mill 2	EU407	0.08	lbs/hr	0.35	7.6	lb/MMcf	0.35	7.6	lb/MMcf	0.35	0.08	lbs/hr	0.35	7.6	lb/MMcf	0.35	7.6	lb/MMcf	0.35
--	EP408	Power Boiler 1	EU408	3.12	lbs/hr	13.67	3.06E-03	lb/MMBtu	5.62	3.12	lbs/hr	13.67	3.12	lbs/hr	13.67	3.06E-03	lb/MMBtu	5.62	3.12	lbs/hr	13.67
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	EP409	Power Boiler 2	EU409	3.12	lbs/hr	13.67	3.06E-03	lb/MMBtu	5.62	3.12	lbs/hr	13.67	3.12	lbs/hr	13.67	3.06E-03	lb/MMBtu	5.62	3.12	lbs/hr	13.67
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7700	EP501A	Paper Machine #1 High Density Storage (A)	EU501	0.1	gr/dscf	0.354	--	--	--	--	--	--	0.1	gr/dscf	0.354	--	--	--	--	--	--
520-7700	EP501B	Paper Machine #1 High Density Storage (B)	--	0.1	gr/dscf	0.354	--	--	--	--	--	--	0.1	gr/dscf	0.354	--	--	--	--	--	--
--	EP502	PM #2 - Bottom Sheet High Density Storage	EU502	0.1	gr/dscf	0.354	--	--	--	--	--	--	0.1	gr/dscf	0.354	--	--	--	--	--	--
--	EP503	PM #2 - Top Sheet High Density Storage	EU503	0.1	gr/dscf	0.354	--	--	--	--	--	--	0.1	gr/dscf	0.354	--	--	--	--	--	--
Insignificant Sources									**5.61675**			**5.61675**						**5.61675**			**5.61675**
7910	--	--	7910	--	--	--	55.2	lb/yr	0.0276	55.2	lb/yr	0.0276	--	--	--	55.2	lb/yr	0.0276	55.2	lb/yr	0.0276
350-7011	--	--	350-7011	--	--	--	467.2	lb/yr	0.2336	467.2	lb/yr	0.2336	--	--	--	467.2	lb/yr	0.2336	467.2	lb/yr	0.2336
350-7012	--	--	350-7012	--	--	--	512.6	lb/yr	0.2563	512.6	lb/yr	0.2563	--	--	--	512.6	lb/yr	0.2563	512.6	lb/yr	0.2563
350-349-8240	--	--	350-349-8240	--	--	--	142.8	lb/yr	0.0714	142.8	lb/yr	0.0714	--	--	--	142.8	lb/yr	0.0714	142.8	lb/yr	0.0714
350-349-8250	--	--	350-349-8250	--	--	--	142.8	lb/yr	0.0714	142.8	lb/yr	0.0714	--	--	--	142.8	lb/yr	0.0714	142.8	lb/yr	0.0714
350-349-8260	--	--	350-349-8260	--	--	--	142.8	lb/yr	0.0714	142.8	lb/yr	0.0714	--	--	--	142.8	lb/yr	0.0714	142.8	lb/yr	0.0714
350-448-7040	--	--	350-448-7040	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-7050	--	--	350-448-7050	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-7060	--	--	350-448-7060	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-7080	--	--	350-448-7080	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-7090	--	--	350-448-7090	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-7095	--	--	350-448-7095	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-7096	--	--	350-448-7096	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-7100	--	--	350-448-7100	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-7110	--	--	350-448-7110	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-7120	--	--	350-448-7120	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-7130	--	--	350-448-7130	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-7140	--	--	350-448-7140	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-7150	--	--	350-448-7150	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-7160	--	--	350-448-7160	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-7170	--	--	350-448-7170	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8330	--	--	350-448-8330	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8340	--	--	350-448-8340	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8350	--	--	350-448-8350	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8360	--	--	350-448-8360	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8370	--	--	350-448-8370	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8380	--	--	350-448-8380	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8390	--	--	350-448-8390	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8400	--	--	350-448-8400	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8410	--	--	350-448-8410	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8420	--	--	350-448-8420	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8430	--	--	350-448-8430	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				PM2.5									SOx								
				Rule			PTE EF			Uncontrolled			Rule			PTE EF			Uncontrolled		
Facility ID	**EP**	**EP Description**	**EU**	**EF**	**units**	**PM-2.5**	**EF**	**units**	**PM-2.5**	**EF**	**units**	**PM-2.5**	**EF**	**units**	**SOx**	**EF**	**units**	**Sox**	**EF**	**units**	**Sox**
						172.70			136.61			947.90			9.51			0.18			9.51
356-3267	EP249	#1 Pulper Roof Exhaust Fan	EU200Pulper	0.34	lbs/hr	1.49	0.878	lbs/hr	3.85	0.34	lbs/hr	1.49	--	--	--	--	--	--	--	--	--
356-3268	EP250	#2 Pulper Roof Exhaust Fan	EU200Pulper	0.34	lbs/hr	1.49	--	--	--	0.34	lbs/hr	1.49	--	--	--	--	--	--	--	--	--
356-3269	EP251	White Top Pulper Roof Exhaust Fan	EU200Pulper	0.34	lbs/hr	1.49	--	--	--	0.34	lbs/hr	1.49	--	--	--	--	--	--	--	--	--
--	EP300	Cationic Starch Silo	EU300	0.86	lbs/hr	3.77	0.86	lbs/hr	3.77	17.20	lbs/hr	75.34	--	--	--	--	--	--	--	--	--
--	EP301	Size Press Starch Silo	EU301	0.86	lbs/hr	3.77	0.86	lbs/hr	3.77	17.20	lbs/hr	75.34	--	--	--	--	--	--	--	--	--
521-349-12980	EP400	AMU 7 - Mill 2	EU400	0.075	lbs/hr	0.33	7.6	lb/MMcf	0.33	7.6	lb/MMcf	0.33	15	ppmv	0.11	0.6	lb/MMcf	0.03	15	ppmv	0.11
--	EP401	PM #1 Mill Water Cooling Tower	EU401	1.02	lbs/hr	4.47	1.02	lbs/hr	4.47	10.2	lbs/hr	44.68	--	--	--	--	--	--	--	--	--
--	EP402	PM #1 Vacuum Cooling Tower	EU402	12.07	lbs/hr	52.87	12.07	lbs/hr	52.87	120.7	lbs/hr	528.67	--	--	--	--	--	--	--	--	--
--	EP403	PM #2 Mill Water Cooling Tower	EU403	2.14	lbs/hr	9.37	2.14	lbs/hr	9.37	21.4	lbs/hr	93.73	--	--	--	--	--	--	--	--	--
--	EP404	No. 2 Paper Machine Vacuum Cooling Tower	EU404	0.84	lbs/hr	3.68	0.84	lbs/hr	3.68	8.4	lbs/hr	36.79	--	--	--	--	--	--	--	--	--
356-350-3250	EP405	Pulper Building Air Make-Up Unit 1	EU405	0.078	lbs/hr	0.34	7.6	lb/MMcf	0.34	7.6	lb/MMcf	0.34	15	ppmv	0.11	0.6	lb/MMcf	0.03	15	ppmv	0.11
356-350-3255	EP406	Pulper Building Air Make-Up Unit 2	EU406	0.078	lbs/hr	0.34	7.6	lb/MMcf	0.34	7.6	lb/MMcf	0.34	15	ppmv	0.11	0.6	lb/MMcf	0.03	15	ppmv	0.11
521-349-13015	EP407	AMU 10 - Mill 2	EU407	0.08	lbs/hr	0.35	7.6	lb/MMcf	0.35	7.6	lb/MMcf	0.35	15	ppmv	0.12	0.6	lb/MMcf	0.03	15	ppmv	0.12
--	EP408	Power Boiler 1	EU408	3.12	lbs/hr	13.67	3.06E-03	lb/MMBtu	5.62	3.12	lbs/hr	13.67	15	ppmv	4.49	5.7E-07	lb/MMBtu	0.00	15	ppmv	4.49
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	EP409	Power Boiler 2	EU409	3.12	lbs/hr	13.67	3.06E-03	lb/MMBtu	5.62	3.12	lbs/hr	13.67	15	ppmv	4.49	5.7E-07	lb/MMBtu	0.00	15	ppmv	4.49
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7700	EP501A	Paper Machine #1 High Density Storage (A)	EU501	0.1	gr/dscf	0.354	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7700	EP501B	Paper Machine #1 High Density Storage (B)	--	0.1	gr/dscf	0.354	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	EP502	PM #2 - Bottom Sheet High Density Storage	EU502	0.1	gr/dscf	0.354	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	EP503	PM #2 - Top Sheet High Density Storage	EU503	0.1	gr/dscf	0.354	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Insignificant Sources									**5.6167**			**5.6167**						**0.4416**			**0.4416**
7910	--	--	7910	--	--	--	55.1	lb/yr	0.02755	55.1	lb/yr	0.02755	--	--	--	4.4	lb/yr	0.0022	4.4	lb/yr	0.0022
350-7011	--	--	350-7011	--	--	--	467.2	lb/yr	0.2336	467.2	lb/yr	0.2336	--	--	--	36.9	lb/yr	0.01845	36.9	lb/yr	0.01845
350-7012	--	--	350-7012	--	--	--	512.6	lb/yr	0.2563	512.6	lb/yr	0.2563	--	--	--	40.5	lb/yr	0.02025	40.5	lb/yr	0.02025
350-349-8240	--	--	350-349-8240	--	--	--	142.8	lb/yr	0.0714	142.8	lb/yr	0.0714	--	--	--	11.3	lb/yr	0.00565	11.3	lb/yr	0.00565
350-349-8250	--	--	350-349-8250	--	--	--	142.8	lb/yr	0.0714	142.8	lb/yr	0.0714	--	--	--	11.3	lb/yr	0.00565	11.3	lb/yr	0.00565
350-349-8260	--	--	350-349-8260	--	--	--	142.8	lb/yr	0.0714	142.8	lb/yr	0.0714	--	--	--	11.3	lb/yr	0.00565	11.3	lb/yr	0.00565
350-448-7040	--	--	350-448-7040	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-7050	--	--	350-448-7050	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-7060	--	--	350-448-7060	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-7080	--	--	350-448-7080	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-7090	--	--	350-448-7090	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-7095	--	--	350-448-7095	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-7096	--	--	350-448-7096	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-7100	--	--	350-448-7100	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-7110	--	--	350-448-7110	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-7120	--	--	350-448-7120	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-7130	--	--	350-448-7130	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-7140	--	--	350-448-7140	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-7150	--	--	350-448-7150	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-7160	--	--	350-448-7160	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-7170	--	--	350-448-7170	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8330	--	--	350-448-8330	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8340	--	--	350-448-8340	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8350	--	--	350-448-8350	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8360	--	--	350-448-8360	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8370	--	--	350-448-8370	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8380	--	--	350-448-8380	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8390	--	--	350-448-8390	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8400	--	--	350-448-8400	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8410	--	--	350-448-8410	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8420	--	--	350-448-8420	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8430	--	--	350-448-8430	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				NOx									VOC								
				Rule			PTE EF			Uncontrolled			Rule			PTE EF			Uncontrolled		
				EF	units	NOx	EF	units	NOx	EF	units	NOx	EF	units	VOC	EF	units	VOC	EF	units	VOC
Facility ID	**EP**	**EP Description**	**EU**			100.06			385.92			414.93			172.00			196.71			242.46
356-3267	EP249	#1 Pulper Roof Exhaust Fan	EU200Pulper	--	--	--	--	--	--	--	--	--	0.0114	lb/ton	4.40	0.0114	lb/ton	4.40	0.0114	lb/ton	4.40
356-3268	EP250	#2 Pulper Roof Exhaust Fan	EU200Pulper	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
356-3269	EP251	White Top Pulper Roof Exhaust Fan	EU200Pulper	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	EP300	Cationic Starch Silo	EU300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	EP301	Size Press Starch Silo	EU301	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-349-12980	EP400	AMU 7 - Mill 2	EU400	--	--	--	100	lb/MMcf	4.29	100	lb/MMcf	4.29	--	--	--	5.5	lb/MMcf	0.24	5.5	lb/MMcf	0.24
--	EP401	PM #1 Mill Water Cooling Tower	EU401	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	EP402	PM #1 Vacuum Cooling Tower	EU402	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	EP403	PM #2 Mill Water Cooling Tower	EU403	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	EP404	No. 2 Paper Machine Vacuum Cooling Tower	EU404	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
356-350-3250	EP405	Pulper Building Air Make-Up Unit 1	EU405	--	--	--	100	lb/MMcf	4.48	100	lb/MMcf	4.48	--	--	--	5.5	lb/MMcf	0.25	5.5	lb/MMcf	0.25
356-350-3255	EP406	Pulper Building Air Make-Up Unit 2	EU406	--	--	--	100	lb/MMcf	4.48	100	lb/MMcf	4.48	--	--	--	5.5	lb/MMcf	0.25	5.5	lb/MMcf	0.25
521-349-13015	EP407	AMU 10 - Mill 2	EU407	--	--	--	100	lb/MMcf	4.62	100	lb/MMcf	4.62	--	--	--	5.5	lb/MMcf	0.25	5.5	lb/MMcf	0.25
--	EP408	Power Boiler 1	EU408	99	tpy	99.00	0.1	lb/MMBtu	183.52	396	tpy	396.00	--	--	--	1.0E-05	lb/MMBtu	0.02	0.02	tpy	0.02
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	EP409	Power Boiler 2	EU409	--	--	--	0.1	lb/MMBtu	183.52	--	--	--	--	--	--	1.0E-05	lb/MMBtu	0.02	0.02	tpy	0.02
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7700	EP501A	Paper Machine #1 High Density Storage (A)	EU501	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7700	EP501B	Paper Machine #1 High Density Storage (B)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	EP502	PM #2 - Bottom Sheet High Density Storage	EU502	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	EP503	PM #2 - Top Sheet High Density Storage	EU503	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Insignificant Sources									**73.8837**			**73.8837**						**5.01765**			**6.29**
7910	--	--	7910	--	--	--	725.7	lb/yr	0.36285	725.7	lb/yr	0.36285	--	--	--	39.9	lb/yr	0.01995	39.9	lb/yr	0.02
350-7011	--	--	350-7011	--	--	--	6147.4	lb/yr	3.0737	6147.4	lb/yr	3.0737	--	--	--	338.1	lb/yr	0.16905	338.1	lb/yr	0.17
350-7012	--	--	350-7012	--	--	--	6745	lb/yr	3.3725	6745	lb/yr	3.3725	--	--	--	371	lb/yr	0.1855	371	lb/yr	0.19
350-349-8240	--	--	350-349-8240	--	--	--	1878.4	lb/yr	0.9392	1878.4	lb/yr	0.9392	--	--	--	103.3	lb/yr	0.05165	103.3	lb/yr	0.05
350-349-8250	--	--	350-349-8250	--	--	--	1878.4	lb/yr	0.9392	1878.4	lb/yr	0.9392	--	--	--	103.3	lb/yr	0.05165	103.3	lb/yr	0.05
350-349-8260	--	--	350-349-8260	--	--	--	1878.4	lb/yr	0.9392	1878.4	lb/yr	0.9392	--	--	--	103.3	lb/yr	0.05165	103.3	lb/yr	0.05
350-448-7040	--	--	350-448-7040	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-7050	--	--	350-448-7050	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-7060	--	--	350-448-7060	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-7080	--	--	350-448-7080	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-7090	--	--	350-448-7090	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-7095	--	--	350-448-7095	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-7096	--	--	350-448-7096	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-7100	--	--	350-448-7100	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-7110	--	--	350-448-7110	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-7120	--	--	350-448-7120	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-7130	--	--	350-448-7130	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-7140	--	--	350-448-7140	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-7150	--	--	350-448-7150	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-7160	--	--	350-448-7160	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-7170	--	--	350-448-7170	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8330	--	--	350-448-8330	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8340	--	--	350-448-8340	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8350	--	--	350-448-8350	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8360	--	--	350-448-8360	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8370	--	--	350-448-8370	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8380	--	--	350-448-8380	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8390	--	--	350-448-8390	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8400	--	--	350-448-8400	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8410	--	--	350-448-8410	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8420	--	--	350-448-8420	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8430	--	--	350-448-8430	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				CO											Acetaldehyde	1,3 Butadiene	Biphenyl	Bromoform
				Rule			PTE EF			Uncontrolled								
				EF	units	CO	EF	units	CO	EF	units	CO	Lead	HAP totals	Max SHAP	75-07-0	106-99-0	92-52-4	75-25-2
Facility ID	**EP**	**EP Description**	**EU**			99.45			114.23			114.46	0.02	102.16	47.22	9.54	0.00	3.06	1.31
356-3267	EP249	#1 Pulper Roof Exhaust Fan	EU200Pulper	--	--	--	--	--	--	--	--	--	--	4.82	2.91	0.28	--	0.15	--
356-3268	EP250	#2 Pulper Roof Exhaust Fan	EU200Pulper	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
356-3269	EP251	White Top Pulper Roof Exhaust Fan	EU200Pulper	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	EP300	Cationic Starch Silo	EU300	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	EP301	Size Press Starch Silo	EU301	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
521-349-12980	EP400	AMU 7 - Mill 2	EU400	--	--	--	84	lb/MMcf	3.61	84	lb/MMcf	3.61	2.15E-05	0.08	0.08	--	--	--	--
--	EP401	PM #1 Mill Water Cooling Tower	EU401	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	EP402	PM #1 Vacuum Cooling Tower	EU402	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	EP403	PM #2 Mill Water Cooling Tower	EU403	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	EP404	No. 2 Paper Machine Vacuum Cooling Tower	EU404	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
356-350-3250	EP405	Pulper Building Air Make-Up Unit 1	EU405	--	--	--	84	lb/MMcf	3.77	84	lb/MMcf	3.77	2.24E-05	0.08	0.08	--	--	--	--
356-350-3255	EP406	Pulper Building Air Make-Up Unit 2	EU406	--	--	--	84	lb/MMcf	3.77	84	lb/MMcf	3.77	2.24E-05	0.08	0.08	--	--	--	--
521-349-13015	EP407	AMU 10 - Mill 2	EU407	--	--	--	84	lb/MMcf	3.88	84	lb/MMcf	3.88	2.31E-05	0.09	0.08	--	--	--	--
--	EP408	Power Boiler 1	EU408	99	tpy	99.00	99	tpy	99.00	99.00	tpy	99.00	0.01	3.39	3.24	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	EP409	Power Boiler 2	EU409	--	--	--	--	--	--	--	--	--	0.01	3.39	3.24	--	--	--	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
520-7700	EP501A	Paper Machine #1 High Density Storage (A)	EU501	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
520-7700	EP501B	Paper Machine #1 High Density Storage (B)	--	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	EP502	PM #2 - Bottom Sheet High Density Storage	EU502	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
--	EP503	PM #2 - Top Sheet High Density Storage	EU503	--	--	--	--	--	--	--	--	--	--	0.00	0.00	--	--	--	--
Insignificant Sources									**62.0629**			**62.0629**		**2.28**	**1.34**	**0.00**	**0.00**	**0.00**	**0.00**
7910	--	--	7910	--	--	--	609.6	lb/yr	0.3048	609.6	lb/yr	0.3048	--	0.0068	0.0066	--	--	--	--
350-7011	--	--	350-7011	--	--	--	5163.8	lb/yr	2.5819	5163.8	lb/yr	2.5819	--	0.05765	0.0557	--	--	--	--
350-7012	--	--	350-7012	--	--	--	5665.8	lb/yr	2.8329	5665.8	lb/yr	2.8329	--	0.06325	0.0611	--	--	--	--
350-349-8240	--	--	350-349-8240	--	--	--	1577.8	lb/yr	0.7889	1577.8	lb/yr	0.7889	--	0.0176	0.0170	--	--	--	--
350-349-8250	--	--	350-349-8250	--	--	--	1577.8	lb/yr	0.7889	1577.8	lb/yr	0.7889	--	0.0176	0.0170	--	--	--	--
350-349-8260	--	--	350-349-8260	--	--	--	1577.8	lb/yr	0.7889	1577.8	lb/yr	0.7889	--	0.0176	0.0170	--	--	--	--
350-448-7040	--	--	350-448-7040	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-7050	--	--	350-448-7050	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-7060	--	--	350-448-7060	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-7080	--	--	350-448-7080	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-7090	--	--	350-448-7090	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-7095	--	--	350-448-7095	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-7096	--	--	350-448-7096	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-7100	--	--	350-448-7100	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-7110	--	--	350-448-7110	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-7120	--	--	350-448-7120	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-7130	--	--	350-448-7130	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-7140	--	--	350-448-7140	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-7150	--	--	350-448-7150	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-7160	--	--	350-448-7160	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-7170	--	--	350-448-7170	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8330	--	--	350-448-8330	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8340	--	--	350-448-8340	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8350	--	--	350-448-8350	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8360	--	--	350-448-8360	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8370	--	--	350-448-8370	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8380	--	--	350-448-8380	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8390	--	--	350-448-8390	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8400	--	--	350-448-8400	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8410	--	--	350-448-8410	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8420	--	--	350-448-8420	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8430	--	--	350-448-8430	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

Facility ID	EP	EP Description	EU	Carbon disulfide 75-15-0	Formaldehyde 50-00-0	Methanol 67-56-1	Bromomethane 74-83-9	Chloromethane 74-87-3	Ethylene Glycol 107-21-1	Methylene Chloride 75-09-2	1,1,2-Trichloroethane 71-55-6	Naphthalene 91203	Phenol 108-95-2
				1.75	8.00	29.51	0.14	0.29	8.93	5.32	0.18	0.45	2.58
356-3267	EP249	#1 Pulper Roof Exhaust Fan	EU200Pulper	0.17	0.13	0.61	--	--	--	2.91	--	0.12	0.07
356-3268	EP250	#2 Pulper Roof Exhaust Fan	EU200Pulper	--	--	--	--	--	--	--	--	--	--
356-3269	EP251	White Top Pulper Roof Exhaust Fan	EU200Pulper	--	--	--	--	--	--	--	--	--	--
--	EP300	Cationic Starch Silo	EU300	--	--	--	--	--	--	--	--	--	--
--	EP301	Size Press Starch Silo	EU301	--	--	--	--	--	--	--	--	--	--
521-349-12980	EP400	AMU 7 - Mill 2	EU400	--	0.00	--	--	--	--	--	--	0.00	--
--	EP401	PM #1 Mill Water Cooling Tower	EU401	--	--	--	--	--	--	--	--	--	--
--	EP402	PM #1 Vacuum Cooling Tower	EU402	--	--	--	--	--	--	--	--	--	--
--	EP403	PM #2 Mill Water Cooling Tower	EU403	--	--	--	--	--	--	--	--	--	--
--	EP404	No. 2 Paper Machine Vacuum Cooling Tower	EU404	--	--	--	--	--	--	--	--	--	--
356-350-3250	EP405	Pulper Building Air Make-Up Unit 1	EU405	--	0.00	--	--	--	--	--	--	0.00	--
356-350-3255	EP406	Pulper Building Air Make-Up Unit 2	EU406	--	0.00	--	--	--	--	--	--	0.00	--
521-349-13015	EP407	AMU 10 - Mill 2	EU407	--	0.00	--	--	--	--	--	--	0.00	--
--	EP408	Power Boiler 1	EU408	--	0.13	--	--	--	--	--	--	0.00	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	EP409	Power Boiler 2	EU409	--	0.13	--	--	--	--	--	--	0.00	--
--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7700	EP501A	Paper Machine #1 High Density Storage (A)	EU501	--	--	--	--	--	--	--	--	--	--
520-7700	EP501B	Paper Machine #1 High Density Storage (B)	--	--	--	--	--	--	--	--	--	--	--
--	EP502	PM #2 - Bottom Sheet High Density Storage	EU502	--	--	--	--	--	--	--	--	--	--
--	EP503	PM #2 - Top Sheet High Density Storage	EU503	--	--	--	--	--	--	--	--	--	--
Insignificant Sources				**0.00**	**0.06**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
7910	--	--	7910	--	0.00	--	--	--	--	--	--	0.00	--
350-7011	--	--	350-7011	--	0.00	--	--	--	--	--	--	0.00	--
350-7012	--	--	350-7012	--	0.00	--	--	--	--	--	--	0.00	--
350-349-8240	--	--	350-349-8240	--	0.00	--	--	--	--	--	--	0.00	--
350-349-8250	--	--	350-349-8250	--	0.00	--	--	--	--	--	--	0.00	--
350-349-8260	--	--	350-349-8260	--	0.00	--	--	--	--	--	--	0.00	--
350-448-7040	--	--	350-448-7040	--	0.00	--	--	--	--	--	--	0.00	--
350-448-7050	--	--	350-448-7050	--	0.00	--	--	--	--	--	--	0.00	--
350-448-7060	--	--	350-448-7060	--	0.00	--	--	--	--	--	--	0.00	--
350-448-7080	--	--	350-448-7080	--	0.00	--	--	--	--	--	--	0.00	--
350-448-7090	--	--	350-448-7090	--	0.00	--	--	--	--	--	--	0.00	--
350-448-7095	--	--	350-448-7095	--	0.00	--	--	--	--	--	--	0.00	--
350-448-7096	--	--	350-448-7096	--	0.00	--	--	--	--	--	--	0.00	--
350-448-7100	--	--	350-448-7100	--	0.00	--	--	--	--	--	--	0.00	--
350-448-7110	--	--	350-448-7110	--	0.00	--	--	--	--	--	--	0.00	--
350-448-7120	--	--	350-448-7120	--	0.00	--	--	--	--	--	--	0.00	--
350-448-7130	--	--	350-448-7130	--	0.00	--	--	--	--	--	--	0.00	--
350-448-7140	--	--	350-448-7140	--	0.00	--	--	--	--	--	--	0.00	--
350-448-7150	--	--	350-448-7150	--	0.00	--	--	--	--	--	--	0.00	--
350-448-7160	--	--	350-448-7160	--	0.00	--	--	--	--	--	--	0.00	--
350-448-7170	--	--	350-448-7170	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8330	--	--	350-448-8330	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8340	--	--	350-448-8340	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8350	--	--	350-448-8350	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8360	--	--	350-448-8360	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8370	--	--	350-448-8370	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8380	--	--	350-448-8380	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8390	--	--	350-448-8390	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8400	--	--	350-448-8400	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8410	--	--	350-448-8410	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8420	--	--	350-448-8420	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8430	--	--	350-448-8430	--	0.00	--	--	--	--	--	--	0.00	--

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

Facility ID	EP	EP Description	EU	Propionaldehyde	Toluene	Vinyl acetate	Xylene, mixed isomers	Ethylene Oxide	Propylene Oxide	Acrylamide	Acrolein	Arsenic	Benzene	Beryllium	Cadmium
				123-38-6	108-88-3	108-05-4	1330-20-7	75-21-8	75-56-9	79-06-1	107-02-8	7440-38-2	71-43-2	7440-41-7	7440-43-9
				2.61	8.50	11.66	1.50	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
356-3267	EP249	#1 Pulper Roof Exhaust Fan	EU200Pulper	0.29	0.09	--	--	--	--	--	--	--	--	--	--
356-3268	EP250	#2 Pulper Roof Exhaust Fan	EU200Pulper	--	--	--	--	--	--	--	--	--	--	--	--
356-3269	EP251	White Top Pulper Roof Exhaust Fan	EU200Pulper	--	--	--	--	--	--	--	--	--	--	--	--
--	EP300	Cationic Starch Silo	EU300	--	--	--	--	--	--	--	--	--	--	--	--
--	EP301	Size Press Starch Silo	EU301	--	--	--	--	--	--	--	--	--	--	--	--
521-349-12980	EP400	AMU 7 - Mill 2	EU400	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
--	EP401	PM #1 Mill Water Cooling Tower	EU401	--	--	--	--	--	--	--	--	--	--	--	--
--	EP402	PM #1 Vacuum Cooling Tower	EU402	--	--	--	--	--	--	--	--	--	--	--	--
--	EP403	PM #2 Mill Water Cooling Tower	EU403	--	--	--	--	--	--	--	--	--	--	--	--
--	EP404	No. 2 Paper Machine Vacuum Cooling Tower	EU404	--	--	--	--	--	--	--	--	--	--	--	--
356-350-3250	EP405	Pulper Building Air Make-Up Unit 1	EU405	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
356-350-3255	EP406	Pulper Building Air Make-Up Unit 2	EU406	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
521-349-13015	EP407	AMU 10 - Mill 2	EU407	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
--	EP408	Power Boiler 1	EU408	--	0.01	--	--	--	--	--	--	0.00	0.00	0.00	0.00
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
--	EP409	Power Boiler 2	EU409	--	0.01	--	--	--	--	--	--	0.00	0.00	0.00	0.00
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
520-7700	EP501A	Paper Machine #1 High Density Storage (A)	EU501	--	--	--	--	--	--	--	--	--	--	--	--
520-7700	EP501B	Paper Machine #1 High Density Storage (B)	--	--	--	--	--	--	--	--	--	--	--	--	--
--	EP502	PM #2 - Bottom Sheet High Density Storage	EU502	--	--	--	--	--	--	--	--	--	--	--	--
--	EP503	PM #2 - Top Sheet High Density Storage	EU503	--	--	--	--	--	--	--	--	--	--	--	--
Insignificant Sources				**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
7910	--	--	7910	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-7011	--	--	350-7011	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-7012	--	--	350-7012	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-349-8240	--	--	350-349-8240	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-349-8250	--	--	350-349-8250	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-349-8260	--	--	350-349-8260	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-7040	--	--	350-448-7040	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-7050	--	--	350-448-7050	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-7060	--	--	350-448-7060	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-7080	--	--	350-448-7080	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-7090	--	--	350-448-7090	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-7095	--	--	350-448-7095	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-7096	--	--	350-448-7096	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-7100	--	--	350-448-7100	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-7110	--	--	350-448-7110	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-7120	--	--	350-448-7120	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-7130	--	--	350-448-7130	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-7140	--	--	350-448-7140	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-7150	--	--	350-448-7150	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-7160	--	--	350-448-7160	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-7170	--	--	350-448-7170	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8330	--	--	350-448-8330	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8340	--	--	350-448-8340	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8350	--	--	350-448-8350	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8360	--	--	350-448-8360	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8370	--	--	350-448-8370	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8380	--	--	350-448-8380	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8390	--	--	350-448-8390	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8400	--	--	350-448-8400	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8410	--	--	350-448-8410	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8420	--	--	350-448-8420	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8430	--	--	350-448-8430	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

Facility ID	EP	EP Description	EU	Chromium (VI) 18540-29-9	Cobalt 7440-48-4	Hexane 110-54-3	Manganese 7439-96-5	Mercury 7439-97-6	Nickel 7440-02-0	Selenium 7782-49-2
				0.01	0.00	6.80	0.00	0.00	0.01	0.00
356-3267	EP249	#1 Pulper Roof Exhaust Fan	EU200Pulper	--	--	--	--	--	--	--
356-3268	EP250	#2 Pulper Roof Exhaust Fan	EU200Pulper	--	--	--	--	--	--	--
356-3269	EP251	White Top Pulper Roof Exhaust Fan	EU200Pulper	--	--	--	--	--	--	--
--	EP300	Cationic Starch Silo	EU300	--	--	--	--	--	--	--
--	EP301	Size Press Starch Silo	EU301	--	--	--	--	--	--	--
521-349-12980	EP400	AMU 7 - Mill 2	EU400	0.00	0.00	0.08	0.00	0.00	0.00	0.00
--	EP401	PM #1 Mill Water Cooling Tower	EU401	--	--	--	--	--	--	--
--	EP402	PM #1 Vacuum Cooling Tower	EU402	--	--	--	--	--	--	--
--	EP403	PM #2 Mill Water Cooling Tower	EU403	--	--	--	--	--	--	--
--	EP404	No. 2 Paper Machine Vacuum Cooling Tower	EU404	--	--	--	--	--	--	--
356-350-3250	EP405	Pulper Building Air Make-Up Unit 1	EU405	0.00	0.00	0.08	0.00	0.00	0.00	0.00
356-350-3255	EP406	Pulper Building Air Make-Up Unit 2	EU406	0.00	0.00	0.08	0.00	0.00	0.00	0.00
521-349-13015	EP407	AMU 10 - Mill 2	EU407	0.00	0.00	0.08	0.00	0.00	0.00	0.00
--	EP408	Power Boiler 1	EU408	0.00	0.00	3.24	0.00	0.00	0.00	0.00
--	--	--	--	--	--	--	--	--	--	--
--	EP409	Power Boiler 2	EU409	0.00	0.00	3.24	0.00	0.00	0.00	0.00
--	--	--	--	--	--	--	--	--	--	--
520-7700	EP501A	Paper Machine #1 High Density Storage (A)	EU501	--	--	--	--	--	--	--
520-7700	EP501B	Paper Machine #1 High Density Storage (B)	--	--	--	--	--	--	--	--
--	EP502	PM #2 - Bottom Sheet High Density Storage	EU502	--	--	--	--	--	--	--
--	EP503	PM #2 - Top Sheet High Density Storage	EU503	--	--	--	--	--	--	--
Insignificant Sources				**0.00**	**0.00**	**1.34**	**0.00**	**0.00**	**0.00**	**0.00**
7910	--	--	7910	0.00	0.00	0.01	0.00	0.00	0.00	0.00
350-7011	--	--	350-7011	0.00	0.00	0.06	0.00	0.00	0.00	0.00
350-7012	--	--	350-7012	0.00	0.00	0.06	0.00	0.00	0.00	0.00
350-349-8240	--	--	350-349-8240	0.00	0.00	0.02	0.00	0.00	0.00	0.00
350-349-8250	--	--	350-349-8250	0.00	0.00	0.02	0.00	0.00	0.00	0.00
350-349-8260	--	--	350-349-8260	0.00	0.00	0.02	0.00	0.00	0.00	0.00
350-448-7040	--	--	350-448-7040	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-7050	--	--	350-448-7050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-7060	--	--	350-448-7060	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-7080	--	--	350-448-7080	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-7090	--	--	350-448-7090	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-7095	--	--	350-448-7095	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-7096	--	--	350-448-7096	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-7100	--	--	350-448-7100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-7110	--	--	350-448-7110	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-7120	--	--	350-448-7120	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-7130	--	--	350-448-7130	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-7140	--	--	350-448-7140	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-7150	--	--	350-448-7150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-7160	--	--	350-448-7160	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-7170	--	--	350-448-7170	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8330	--	--	350-448-8330	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8340	--	--	350-448-8340	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8350	--	--	350-448-8350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8360	--	--	350-448-8360	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8370	--	--	350-448-8370	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8380	--	--	350-448-8380	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8390	--	--	350-448-8390	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8400	--	--	350-448-8400	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8410	--	--	350-448-8410	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8420	--	--	350-448-8420	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8430	--	--	350-448-8430	0.00	0.00	0.00	0.00	0.00	0.00	0.00

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

Facility ID	EP	EP Description	EU	EU Description	CE	SCC No.	Temperature	acfm	scfm	hr/yr	Capacity	Units
350-448-8440	--	--	350-448-8440	OCC Bale Storage Unit Heater #12	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8450	--	--	350-448-8450	OCC Bale Storage Unit Heater #13	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8460	--	--	350-448-8460	OCC Bale Storage Unit Heater #14	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8470	--	--	350-448-8470	OCC Bale Storage Unit Heater #15	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8480	--	--	350-448-8480	OCC Bale Storage Unit Heater #16	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8490	--	--	350-448-8490	OCC Bale Storage Unit Heater #17	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8500	--	--	350-448-8500	OCC Bale Storage Unit Heater #18	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8510	--	--	350-448-8510	OCC Bale Storage Unit Heater #19	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8520	--	--	350-448-8520	OCC Bale Storage Unit Heater #20	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8530	--	--	350-448-8530	OCC Bale Storage Unit Heater #21	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8540	--	--	350-448-8540	OCC Bale Storage Unit Heater #22	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8570	--	--	350-448-8570	OCC Bale Storage Door Heater #1 Reznor	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8580	--	--	350-448-8580	OCC Bale Storage Door Heater #2 Reznor	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8590	--	--	350-448-8590	OCC Bale Storage Door Heater #3 Reznor	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8600	--	--	350-448-8600	OCC Bale Storage Door Heater #4 Reznor	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8601	--	--	350-448-8601	OCC Bale Storage Door Heater #5 Reznor	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-448-8602	--	--	350-448-8602	OCC Bale Storage Door Heater #6 Reznor	--	--	--	--	--	8,760	0.40	MMBtu/hr
350-7010	--	--	350-7010	OCC #2 Air Make Unit #9	--	--	--	--	--	8,760	7.90	MMBtu/hr
355-349-7000	EP355-349-7000	Air Makeup Unit #1 in Machine Building #1	355-349-7000	Air Makup Unit #1 in Machine Building #1	--	--	--	--	--	8,760	1.00	MMBtu/hr
355-349-7120	--	--	355-349-7120	Clarifier Building Air Make Unit ICE	--	--	--	--	--	8,760	1.70	MMBtu/hr
355-448-7150	--	--	355-448-7150	Clarifier Building Unit Heater #1	--	--	--	--	--	8,760	0.12	MMBtu/hr
355-448-7160	--	--	355-448-7160	Clarifier Building Unit Heater #2	--	--	--	--	--	8,760	0.12	MMBtu/hr
355-448-7170	--	--	355-448-7170	Clarifier Building Unit Heater #3	--	--	--	--	--	8,760	0.12	MMBtu/hr
355-448-7180	--	--	355-448-7180	Clarifier Building Unit Heater #4	--	--	--	--	--	8,760	0.12	MMBtu/hr
356-3045	--	--	356-3045	#2 PM OCC Air Make Up Unit #1 (labeled AMU 2)	--	--	--	--	--	8,760	7.98	MMBtu/hr
356-349-3040	--	--	356-349-3040	#2 Machine Building Air Make Up Unit #1	--	--	--	--	--	8,760	8.25	MMBtu/hr
356-448-3277	--	--	356-448-3277	Pulper Building Door Heater #1	--	--	--	--	--	8,760	0.32	MMBtu/hr
356-448-3278	--	--	356-448-3278	Pulper Building Door Heater #2	--	--	--	--	--	8,760	0.32	MMBtu/hr
356-448-3279	--	--	356-448-3279	Pulper Building Door Heater #3	--	--	--	--	--	8,760	0.32	MMBtu/hr
510-349-7384	--	--	510-349-7384	Tank Farm Unit Heater #1 Lennox	--	--	--	--	--	8,760	0.05	MMBtu/hr
510-349-7386	--	--	510-349-7386	Tank Farm Unit Heater #2 Lennox	--	--	--	--	--	8,760	0.05	MMBtu/hr
510-349-7388	--	--	510-349-7388	Tank Farm Unit Heater #3 Lennox	--	--	--	--	--	8,760	0.05	MMBtu/hr
510-349-7390	--	--	510-349-7390	Tank Farm Unit Heater #4 Lennox	--	--	--	--	--	8,760	0.05	MMBtu/hr
520-349-7420	--	--	520-349-7420	#1 Machine Building Air Make Unit #2	--	--	--	--	--	8,760	5.50	MMBtu/hr
520-349-7425	--	--	520-349-7425	#1 Machine Building Air Make Unit #3	--	--	--	--	--	8,760	5.50	MMBtu/hr
520-349-7430	--	--	520-349-7430	#1 Machine Building Air Make Unit #4	--	--	--	--	--	8,760	6.00	MMBtu/hr
520-349-7435	--	--	520-349-7435	#1 Machine Building Air Make Unit #5	--	--	--	--	--	8,760	6.40	MMBtu/hr
520-349-7440	--	--	520-349-7440	#1 Machine Building Air Make Unit #6	--	--	--	--	--	8,760	6.40	MMBtu/hr
520-349-7442	--	--	520-349-7442	#1 Machine Building Air Make Unit #7	--	--	--	--	--	8,760	6.00	MMBtu/hr
521-T12-2	--	--	521-13006	#1 Machine Building 6K cfm DE Crane Hatch	--	--	--	--	--	8,760	0.85	MMBtu/hr
520-7910	--	--	521-13005	#1 Machine Building 6k cfm WE Crane Hatch	--	--	--	--	--	8,760	0.85	MMBtu/hr
521-13004	--	--	521-13004	#2 Machine Building North Crane Hatch	--	--	--	--	--	8,760	0.85	MMBtu/hr
521-13003	--	--	521-13003	Chemical Dock Heater	--	--	--	--	--	8,760	0.40	MMBtu/hr
521-13002	--	--	521-13002	Pulper Skywalk Heater	--	--	--	--	--	8,760	0.08	MMBtu/hr
521-13001	--	--	521-13001	Pulper Skywalk Heater	--	--	--	--	--	8,760	0.08	MMBtu/hr
521-13000	--	--	521-13000	#2 Machine Dry End Air Make Up Unit #9	--	--	--	--	--	8,760	6.40	MMBtu/hr
521-349-12930	--	--	521-349-12930	#2 Machine Building Air Make Up Unit #2	--	--	--	--	--	8,760	4.00	MMBtu/hr
521-349-12940	--	--	521-349-12940	#2 Machine Building Air Make Up Unit #3	--	--	--	--	--	8,760	6.00	MMBtu/hr
521-349-12950	--	--	521-349-12950	#2 Machine Building Air Make Up Unit #4	--	--	--	--	--	8,760	6.00	MMBtu/hr
521-349-12960	--	--	521-349-12960	#2 Machine Building Air Make Up Unit #5	--	--	--	--	--	8,760	5.50	MMBtu/hr
521-349-12970	--	--	521-349-12970	#2 Machine Building Air Make Up Unit #6	--	--	--	--	--	8,760	6.00	MMBtu/hr
521-349-12990	--	--	521-349-12990	#2 Machine Building Air Make Up Unit #8	--	--	--	--	--	8,760	6.40	MMBtu/hr
521-448-1203	--	--	521-448-1203	Roll Conveyor Gallery Unit Heater #1	--	--	--	--	--	8,760	0.10	MMBtu/hr
521-448-1204	--	--	521-448-1204	Roll Conveyor Gallery Unit Heater #2	--	--	--	--	--	8,760	0.10	MMBtu/hr
521-448-1205	--	--	521-448-1205	Roll Conveyor Gallery Unit Heater #3	--	--	--	--	--	8,760	0.10	MMBtu/hr
521-448-1206	--	--	521-448-1206	Lower Tower Unit Heater #1	--	--	--	--	--	8,760	0.13	MMBtu/hr

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				PM									PM10								
				Rule			PTE EF			Uncontrolled			Rule			PTE EF			Uncontrolled		
				EF	units	PM	EF	units	PM	EF	units	PM	EF	units	PM-10	EF	units	PM-10	EF	units	PM-10
Facility ID	**EP**	**EP Description**	**EU**			180.85			163.33			1558.74			172.70			155.18			947.90
350-448-8440	--	--	350-448-8440	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8450	--	--	350-448-8450	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8460	--	--	350-448-8460	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8470	--	--	350-448-8470	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8480	--	--	350-448-8480	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8490	--	--	350-448-8490	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8500	--	--	350-448-8500	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8510	--	--	350-448-8510	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8520	--	--	350-448-8520	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8530	--	--	350-448-8530	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8540	--	--	350-448-8540	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8570	--	--	350-448-8570	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8580	--	--	350-448-8580	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8590	--	--	350-448-8590	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8600	--	--	350-448-8600	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8601	--	--	350-448-8601	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-448-8602	--	--	350-448-8602	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
350-7010	--	--	350-7010	--	--	--	512.6	lb/yr	0.2563	512.6	lb/yr	0.2563	--	--	--	512.6	lb/yr	0.2563	512.6	lb/yr	0.2563
355-349-7000	EP355-349-7000	Air Makeup Unit #1 in Machine Building #1	355-349-7000	--	--	--	65	lb/yr	0.0325	65	lb/yr	0.0325	--	--	--	65	lb/yr	0.0325	65	lb/yr	0.0325
355-349-7120	--	--	355-349-7120	--	--	--	110.3	lb/yr	0.05515	110.3	lb/yr	0.05515	--	--	--	110.3	lb/yr	0.05515	110.3	lb/yr	0.05515
355-448-7150	--	--	355-448-7150	--	--	--	8	lb/yr	0.004	8	lb/yr	0.004	--	--	--	8	lb/yr	0.004	8	lb/yr	0.004
355-448-7160	--	--	355-448-7160	--	--	--	8	lb/yr	0.004	8	lb/yr	0.004	--	--	--	8	lb/yr	0.004	8	lb/yr	0.004
355-448-7170	--	--	355-448-7170	--	--	--	8	lb/yr	0.004	8	lb/yr	0.004	--	--	--	8	lb/yr	0.004	8	lb/yr	0.004
355-448-7180	--	--	355-448-7180	--	--	--	8	lb/yr	0.004	8	lb/yr	0.004	--	--	--	8	lb/yr	0.004	8	lb/yr	0.004
356-3045	--	--	356-3045	--	--	--	517.5	lb/yr	0.25875	517.5	lb/yr	0.25875	--	--	--	517.5	lb/yr	0.25875	517.5	lb/yr	0.25875
356-349-3040	--	--	356-349-3040	--	--	--	535.3	lb/yr	0.26765	535.3	lb/yr	0.26765	--	--	--	535.3	lb/yr	0.26765	535.3	lb/yr	0.26765
356-448-3277	--	--	356-448-3277	--	--	--	20.8	lb/yr	0.0104	20.8	lb/yr	0.0104	--	--	--	20.8	lb/yr	0.0104	20.8	lb/yr	0.0104
356-448-3278	--	--	356-448-3278	--	--	--	20.8	lb/yr	0.0104	20.8	lb/yr	0.0104	--	--	--	20.8	lb/yr	0.0104	20.8	lb/yr	0.0104
356-448-3279	--	--	356-448-3279	--	--	--	20.8	lb/yr	0.0104	20.8	lb/yr	0.0104	--	--	--	20.8	lb/yr	0.0104	20.8	lb/yr	0.0104
510-349-7384	--	--	510-349-7384	--	--	--	3.2	lb/yr	0.0016	3.2	lb/yr	0.0016	--	--	--	3.2	lb/yr	0.0016	3.2	lb/yr	0.0016
510-349-7386	--	--	510-349-7386	--	--	--	3.2	lb/yr	0.0016	3.2	lb/yr	0.0016	--	--	--	3.2	lb/yr	0.0016	3.2	lb/yr	0.0016
510-349-7388	--	--	510-349-7388	--	--	--	8.1	lb/yr	0.00405	8.1	lb/yr	0.00405	--	--	--	8.1	lb/yr	0.00405	8.1	lb/yr	0.00405
510-349-7390	--	--	510-349-7390	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
520-349-7420	--	--	520-349-7420	--	--	--	356.9	lb/yr	0.17845	356.9	lb/yr	0.17845	--	--	--	356.9	lb/yr	0.17845	356.9	lb/yr	0.17845
520-349-7425	--	--	520-349-7425	--	--	--	356.9	lb/yr	0.17845	356.9	lb/yr	0.17845	--	--	--	356.9	lb/yr	0.17845	356.9	lb/yr	0.17845
520-349-7430	--	--	520-349-7430	--	--	--	389.3	lb/yr	0.19465	389.3	lb/yr	0.19465	--	--	--	389.3	lb/yr	0.19465	389.3	lb/yr	0.19465
520-349-7435	--	--	520-349-7435	--	--	--	415.3	lb/yr	0.20765	415.3	lb/yr	0.20765	--	--	--	415.3	lb/yr	0.20765	415.3	lb/yr	0.20765
520-349-7440	--	--	520-349-7440	--	--	--	415.3	lb/yr	0.20765	415.3	lb/yr	0.20765	--	--	--	415.3	lb/yr	0.20765	415.3	lb/yr	0.20765
520-349-7442	--	--	520-349-7442	--	--	--	389.3	lb/yr	0.19465	389.3	lb/yr	0.19465	--	--	--	389.3	lb/yr	0.19465	389.3	lb/yr	0.19465
521-T12-2	--	--	521-13006	--	--	--	55.2	lb/yr	0.0276	55.2	lb/yr	0.0276	--	--	--	55.2	lb/yr	0.0276	55.2	lb/yr	0.0276
520-7910	--	--	521-13005	--	--	--	55.2	lb/yr	0.0276	55.2	lb/yr	0.0276	--	--	--	55.2	lb/yr	0.0276	55.2	lb/yr	0.0276
521-13004	--	--	521-13004	--	--	--	55.2	lb/yr	0.0276	55.2	lb/yr	0.0276	--	--	--	55.2	lb/yr	0.0276	55.2	lb/yr	0.0276
521-13003	--	--	521-13003	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
521-13002	--	--	521-13002	--	--	--	4.9	lb/yr	0.00245	4.9	lb/yr	0.00245	--	--	--	4.9	lb/yr	0.00245	4.9	lb/yr	0.00245
521-13001	--	--	521-13001	--	--	--	4.9	lb/yr	0.00245	4.9	lb/yr	0.00245	--	--	--	4.9	lb/yr	0.00245	4.9	lb/yr	0.00245
521-13000	--	--	521-13000	--	--	--	415.3	lb/yr	0.20765	415.3	lb/yr	0.20765	--	--	--	415.3	lb/yr	0.20765	415.3	lb/yr	0.20765
521-349-12930	--	--	521-349-12930	--	--	--	259.6	lb/yr	0.1298	259.6	lb/yr	0.1298	--	--	--	259.6	lb/yr	0.1298	259.6	lb/yr	0.1298
521-349-12940	--	--	521-349-12940	--	--	--	389.3	lb/yr	0.19465	389.3	lb/yr	0.19465	--	--	--	389.3	lb/yr	0.19465	389.3	lb/yr	0.19465
521-349-12950	--	--	521-349-12950	--	--	--	389.3	lb/yr	0.19465	389.3	lb/yr	0.19465	--	--	--	389.3	lb/yr	0.19465	389.3	lb/yr	0.19465
521-349-12960	--	--	521-349-12960	--	--	--	356.9	lb/yr	0.17845	356.9	lb/yr	0.17845	--	--	--	356.9	lb/yr	0.17845	356.9	lb/yr	0.17845
521-349-12970	--	--	521-349-12970	--	--	--	389.3	lb/yr	0.19465	389.3	lb/yr	0.19465	--	--	--	389.3	lb/yr	0.19465	389.3	lb/yr	0.19465
521-349-12990	--	--	521-349-12990	--	--	--	415.3	lb/yr	0.20765	415.3	lb/yr	0.20765	--	--	--	415.3	lb/yr	0.20765	415.3	lb/yr	0.20765
521-448-1203	--	--	521-448-1203	--	--	--	6.5	lb/yr	0.00325	6.5	lb/yr	0.00325	--	--	--	6.5	lb/yr	0.00325	6.5	lb/yr	0.00325
521-448-1204	--	--	521-448-1204	--	--	--	6.5	lb/yr	0.00325	6.5	lb/yr	0.00325	--	--	--	6.5	lb/yr	0.00325	6.5	lb/yr	0.00325
521-448-1205	--	--	521-448-1205	--	--	--	6.5	lb/yr	0.00325	6.5	lb/yr	0.00325	--	--	--	6.5	lb/yr	0.00325	6.5	lb/yr	0.00325
521-448-1206	--	--	521-448-1206	--	--	--	8.1	lb/yr	0.00405	8.1	lb/yr	0.00405	--	--	--	8.1	lb/yr	0.00405	8.1	lb/yr	0.00405

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				PM2.5									SOx								
				Rule			PTE EF			Uncontrolled			Rule			PTE EF			Uncontrolled		
				EF	units	PM-2.5	EF	units	PM-2.5	EF	units	PM-2.5	EF	units	SOx	EF	units	Sox	EF	units	Sox
Facility ID	**EP**	**EP Description**	**EU**			172.70			136.61			947.90			9.51			0.18			9.51
350-448-8440	--	--	350-448-8440	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8450	--	--	350-448-8450	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8460	--	--	350-448-8460	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8470	--	--	350-448-8470	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8480	--	--	350-448-8480	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8490	--	--	350-448-8490	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8500	--	--	350-448-8500	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8510	--	--	350-448-8510	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8520	--	--	350-448-8520	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8530	--	--	350-448-8530	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8540	--	--	350-448-8540	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8570	--	--	350-448-8570	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8580	--	--	350-448-8580	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8590	--	--	350-448-8590	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8600	--	--	350-448-8600	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8601	--	--	350-448-8601	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-448-8602	--	--	350-448-8602	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
350-7010	--	--	350-7010	--	--	--	512.6	lb/yr	0.2563	512.6	lb/yr	0.2563	--	--	--	40.5	lb/yr	0.02025	40.5	lb/yr	0.02025
355-349-7000	EP355-349-7000	Air Makeup Unit #1 in Machine Building #1	355-349-7000	--	--	--	65	lb/yr	0.0325	65	lb/yr	0.0325	--	--	--	5	lb/yr	0.0025	5	lb/yr	0.0025
355-349-7120	--	--	355-349-7120	--	--	--	110.3	lb/yr	0.05515	110.3	lb/yr	0.05515	--	--	--	8.7	lb/yr	0.00435	8.7	lb/yr	0.00435
355-448-7150	--	--	355-448-7150	--	--	--	8	lb/yr	0.004	8	lb/yr	0.004	--	--	--	0.6	lb/yr	0.0003	0.6	lb/yr	0.0003
355-448-7160	--	--	355-448-7160	--	--	--	8	lb/yr	0.004	8	lb/yr	0.004	--	--	--	0.6	lb/yr	0.0003	0.6	lb/yr	0.0003
355-448-7170	--	--	355-448-7170	--	--	--	8	lb/yr	0.004	8	lb/yr	0.004	--	--	--	0.6	lb/yr	0.0003	0.6	lb/yr	0.0003
355-448-7180	--	--	355-448-7180	--	--	--	8	lb/yr	0.004	8	lb/yr	0.004	--	--	--	0.6	lb/yr	0.0003	0.6	lb/yr	0.0003
356-3045	--	--	356-3045	--	--	--	517.5	lb/yr	0.25875	517.5	lb/yr	0.25875	--	--	--	40.9	lb/yr	0.02045	40.9	lb/yr	0.02045
356-349-3040	--	--	356-349-3040	--	--	--	535.3	lb/yr	0.26765	535.3	lb/yr	0.26765	--	--	--	42.3	lb/yr	0.02115	42.3	lb/yr	0.02115
356-448-3277	--	--	356-448-3277	--	--	--	20.8	lb/yr	0.0104	20.8	lb/yr	0.0104	--	--	--	1.6	lb/yr	0.0008	1.6	lb/yr	0.0008
356-448-3278	--	--	356-448-3278	--	--	--	20.8	lb/yr	0.0104	20.8	lb/yr	0.0104	--	--	--	1.6	lb/yr	0.0008	1.6	lb/yr	0.0008
356-448-3279	--	--	356-448-3279	--	--	--	20.8	lb/yr	0.0104	20.8	lb/yr	0.0104	--	--	--	1.6	lb/yr	0.0008	1.6	lb/yr	0.0008
510-349-7384	--	--	510-349-7384	--	--	--	3.2	lb/yr	0.0016	3.2	lb/yr	0.0016	--	--	--	0.3	lb/yr	0.00015	0.3	lb/yr	0.00015
510-349-7386	--	--	510-349-7386	--	--	--	3.2	lb/yr	0.0016	3.2	lb/yr	0.0016	--	--	--	0.3	lb/yr	0.00015	0.3	lb/yr	0.00015
510-349-7388	--	--	510-349-7388	--	--	--	8.1	lb/yr	0.00405	8.1	lb/yr	0.00405	--	--	--	0.6	lb/yr	0.0003	0.6	lb/yr	0.0003
510-349-7390	--	--	510-349-7390	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
520-349-7420	--	--	520-349-7420	--	--	--	356.9	lb/yr	0.17845	356.9	lb/yr	0.17845	--	--	--	28.2	lb/yr	0.0141	28.2	lb/yr	0.0141
520-349-7425	--	--	520-349-7425	--	--	--	356.9	lb/yr	0.17845	356.9	lb/yr	0.17845	--	--	--	28.2	lb/yr	0.0141	28.2	lb/yr	0.0141
520-349-7430	--	--	520-349-7430	--	--	--	389.3	lb/yr	0.19465	389.3	lb/yr	0.19465	--	--	--	30.7	lb/yr	0.01535	30.7	lb/yr	0.01535
520-349-7435	--	--	520-349-7435	--	--	--	415.3	lb/yr	0.20765	415.3	lb/yr	0.20765	--	--	--	32.8	lb/yr	0.0164	32.8	lb/yr	0.0164
520-349-7440	--	--	520-349-7440	--	--	--	415.3	lb/yr	0.20765	415.3	lb/yr	0.20765	--	--	--	32.8	lb/yr	0.0164	32.8	lb/yr	0.0164
520-349-7442	--	--	520-349-7442	--	--	--	389.3	lb/yr	0.19465	389.3	lb/yr	0.19465	--	--	--	30.7	lb/yr	0.01535	30.7	lb/yr	0.01535
521-T12-2	--	--	521-13006	--	--	--	55.2	lb/yr	0.0276	55.2	lb/yr	0.0276	--	--	--	4.4	lb/yr	0.0022	4.4	lb/yr	0.0022
520-7910	--	--	521-13005	--	--	--	55.2	lb/yr	0.0276	55.2	lb/yr	0.0276	--	--	--	4.4	lb/yr	0.0022	4.4	lb/yr	0.0022
521-13004	--	--	521-13004	--	--	--	55.2	lb/yr	0.0276	55.2	lb/yr	0.0276	--	--	--	4.4	lb/yr	0.0022	4.4	lb/yr	0.0022
521-13003	--	--	521-13003	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
521-13002	--	--	521-13002	--	--	--	4.9	lb/yr	0.00245	4.9	lb/yr	0.00245	--	--	--	0.4	lb/yr	0.0002	0.4	lb/yr	0.0002
521-13001	--	--	521-13001	--	--	--	4.9	lb/yr	0.00245	4.9	lb/yr	0.00245	--	--	--	0.4	lb/yr	0.0002	0.4	lb/yr	0.0002
521-13000	--	--	521-13000	--	--	--	415.3	lb/yr	0.20765	415.3	lb/yr	0.20765	--	--	--	32.8	lb/yr	0.0164	32.8	lb/yr	0.0164
521-349-12930	--	--	521-349-12930	--	--	--	259.6	lb/yr	0.1298	259.6	lb/yr	0.1298	--	--	--	20.5	lb/yr	0.01025	20.5	lb/yr	0.01025
521-349-12940	--	--	521-349-12940	--	--	--	389.3	lb/yr	0.19465	389.3	lb/yr	0.19465	--	--	--	30.7	lb/yr	0.01535	30.7	lb/yr	0.01535
521-349-12950	--	--	521-349-12950	--	--	--	389.3	lb/yr	0.19465	389.3	lb/yr	0.19465	--	--	--	30.7	lb/yr	0.01535	30.7	lb/yr	0.01535
521-349-12960	--	--	521-349-12960	--	--	--	356.9	lb/yr	0.17845	356.9	lb/yr	0.17845	--	--	--	28.2	lb/yr	0.0141	28.2	lb/yr	0.0141
521-349-12970	--	--	521-349-12970	--	--	--	389.3	lb/yr	0.19465	389.3	lb/yr	0.19465	--	--	--	30.7	lb/yr	0.01535	30.7	lb/yr	0.01535
521-349-12990	--	--	521-349-12990	--	--	--	415.3	lb/yr	0.20765	415.3	lb/yr	0.20765	--	--	--	32.8	lb/yr	0.0164	32.8	lb/yr	0.0164
521-448-1203	--	--	521-448-1203	--	--	--	6.5	lb/yr	0.00325	6.5	lb/yr	0.00325	--	--	--	0.5	lb/yr	0.00025	0.5	lb/yr	0.00025
521-448-1204	--	--	521-448-1204	--	--	--	6.5	lb/yr	0.00325	6.5	lb/yr	0.00325	--	--	--	0.5	lb/yr	0.00025	0.5	lb/yr	0.00025
521-448-1205	--	--	521-448-1205	--	--	--	6.5	lb/yr	0.00325	6.5	lb/yr	0.00325	--	--	--	0.5	lb/yr	0.00025	0.5	lb/yr	0.00025
521-448-1206	--	--	521-448-1206	--	--	--	8.1	lb/yr	0.00405	8.1	lb/yr	0.00405	--	--	--	0.6	lb/yr	0.0003	0.6	lb/yr	0.0003

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				NOx									VOC								
				Rule			PTE EF			Uncontrolled			Rule			PTE EF			Uncontrolled		
				EF	units	NOx	EF	units	NOx	EF	units	NOx	EF	units	VOC	EF	units	VOC	EF	units	VOC
Facility ID	**EP**	**EP Description**	**EU**			100.06			385.92			414.93			172.00			196.71			242.46
350-448-8440	--	--	350-448-8440	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8450	--	--	350-448-8450	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8460	--	--	350-448-8460	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8470	--	--	350-448-8470	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8480	--	--	350-448-8480	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8490	--	--	350-448-8490	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8500	--	--	350-448-8500	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8510	--	--	350-448-8510	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8520	--	--	350-448-8520	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8530	--	--	350-448-8530	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8540	--	--	350-448-8540	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8570	--	--	350-448-8570	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8580	--	--	350-448-8580	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8590	--	--	350-448-8590	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8600	--	--	350-448-8600	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8601	--	--	350-448-8601	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-448-8602	--	--	350-448-8602	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
350-7010	--	--	350-7010	--	--	--	6745	lb/yr	3.3725	6745	lb/yr	3.3725	--	--	--	371	lb/yr	0.1855	371	lb/yr	0.19
355-349-7000	EP355-349-7000	Air Makeup Unit #1 in Machine Building #1	355-349-7000	--	--	--	853.8	lb/yr	0.4269	853.8	lb/yr	0.4269	--	--	--	47	lb/yr	0.0235	47	lb/yr	0.0235
355-349-7120	--	--	355-349-7120	--	--	--	1451.5	lb/yr	0.72575	1451.5	lb/yr	0.72575	--	--	--	79.8	lb/yr	0.0399	79.8	lb/yr	0.04
355-448-7150	--	--	355-448-7150	--	--	--	105.9	lb/yr	0.05295	105.9	lb/yr	0.05295	--	--	--	5.8	lb/yr	0.0029	5.8	lb/yr	0.00
355-448-7160	--	--	355-448-7160	--	--	--	105.9	lb/yr	0.05295	105.9	lb/yr	0.05295	--	--	--	5.8	lb/yr	0.0029	5.8	lb/yr	0.00
355-448-7170	--	--	355-448-7170	--	--	--	105.9	lb/yr	0.05295	105.9	lb/yr	0.05295	--	--	--	5.8	lb/yr	0.0029	5.8	lb/yr	0.00
355-448-7180	--	--	355-448-7180	--	--	--	105.9	lb/yr	0.05295	105.9	lb/yr	0.05295	--	--	--	5.8	lb/yr	0.0029	5.8	lb/yr	0.00
356-3045	--	--	356-3045	--	--	--	6809.1	lb/yr	3.40455	6809.1	lb/yr	3.40455	--	--	--	374.5	lb/yr	0.18725	374.5	lb/yr	0.19
356-349-3040	--	--	356-349-3040	--	--	--	7043.9	lb/yr	3.52195	7043.9	lb/yr	3.52195	--	--	--	387.4	lb/yr	0.1937	387.4	lb/yr	0.19
356-448-3277	--	--	356-448-3277	--	--	--	273.2	lb/yr	0.1366	273.2	lb/yr	0.1366	--	--	--	20.8	lb/yr	0.0104	20.8	lb/yr	0.01
356-448-3278	--	--	356-448-3278	--	--	--	273.2	lb/yr	0.1366	273.2	lb/yr	0.1366	--	--	--	20.8	lb/yr	0.0104	20.8	lb/yr	0.01
356-448-3279	--	--	356-448-3279	--	--	--	273.2	lb/yr	0.1366	273.2	lb/yr	0.1366	--	--	--	20.8	lb/yr	0.0104	20.8	lb/yr	0.01
510-349-7384	--	--	510-349-7384	--	--	--	42.7	lb/yr	0.02135	42.7	lb/yr	0.02135	--	--	--	3.2	lb/yr	0.0016	3.2	lb/yr	0.00
510-349-7386	--	--	510-349-7386	--	--	--	42.7	lb/yr	0.02135	42.7	lb/yr	0.02135	--	--	--	3.2	lb/yr	0.0016	3.2	lb/yr	0.00
510-349-7388	--	--	510-349-7388	--	--	--	106.7	lb/yr	0.05335	106.7	lb/yr	0.05335	--	--	--	5.9	lb/yr	0.00295	5.9	lb/yr	0.00
510-349-7390	--	--	510-349-7390	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
520-349-7420	--	--	520-349-7420	--	--	--	4695.9	lb/yr	2.34795	4695.9	lb/yr	2.34795	--	--	--	258.3	lb/yr	0.12915	258.3	lb/yr	0.13
520-349-7425	--	--	520-349-7425	--	--	--	4695.9	lb/yr	2.34795	4695.9	lb/yr	2.34795	--	--	--	258.3	lb/yr	0.12915	258.3	lb/yr	0.13
520-349-7430	--	--	520-349-7430	--	--	--	5122.8	lb/yr	2.5614	5122.8	lb/yr	2.5614	--	--	--	281.8	lb/yr	0.1409	2818	lb/yr	1.41
520-349-7435	--	--	520-349-7435	--	--	--	5464.3	lb/yr	2.73215	5464.3	lb/yr	2.73215	--	--	--	300.5	lb/yr	0.15025	300.5	lb/yr	0.15
520-349-7440	--	--	520-349-7440	--	--	--	5464.3	lb/yr	2.73215	5464.3	lb/yr	2.73215	--	--	--	300.5	lb/yr	0.15025	300.5	lb/yr	0.15
520-349-7442	--	--	520-349-7442	--	--	--	5122.8	lb/yr	2.5614	5122.8	lb/yr	2.5614	--	--	--	281.8	lb/yr	0.1409	281.8	lb/yr	0.14
521-T12-2	--	--	521-13006	--	--	--	725.7	lb/yr	0.36285	725.7	lb/yr	0.36285	--	--	--	39.9	lb/yr	0.01995	39.9	lb/yr	0.02
520-7910	--	--	521-13005	--	--	--	725.7	lb/yr	0.36285	725.7	lb/yr	0.36285	--	--	--	39.9	lb/yr	0.01995	39.9	lb/yr	0.02
521-13004	--	--	521-13004	--	--	--	725.7	lb/yr	0.36285	725.7	lb/yr	0.36285	--	--	--	39.9	lb/yr	0.01995	39.9	lb/yr	0.02
521-13003	--	--	521-13003	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
521-13002	--	--	521-13002	--	--	--	64	lb/yr	0.032	64	lb/yr	0.032	--	--	--	3.5	lb/yr	0.00175	3.5	lb/yr	0.00
521-13001	--	--	521-13001	--	--	--	64	lb/yr	0.032	64	lb/yr	0.032	--	--	--	3.5	lb/yr	0.00175	3.5	lb/yr	0.00
521-13000	--	--	521-13000	--	--	--	5464.3	lb/yr	2.73215	5464.3	lb/yr	2.73215	--	--	--	300.5	lb/yr	0.15025	300.5	lb/yr	0.15
521-349-12930	--	--	521-349-12930	--	--	--	3415.2	lb/yr	1.7076	3415.2	lb/yr	1.7076	--	--	--	187.8	lb/yr	0.0939	187.8	lb/yr	0.09
521-349-12940	--	--	521-349-12940	--	--	--	5122.8	lb/yr	2.5614	5122.8	lb/yr	2.5614	--	--	--	281.8	lb/yr	0.1409	281.8	lb/yr	0.14
521-349-12950	--	--	521-349-12950	--	--	--	5122.8	lb/yr	2.5614	5122.8	lb/yr	2.5614	--	--	--	281.8	lb/yr	0.1409	281.8	lb/yr	0.14
521-349-12960	--	--	521-349-12960	--	--	--	4695.9	lb/yr	2.34795	4695.9	lb/yr	2.34795	--	--	--	258.3	lb/yr	0.12915	258.3	lb/yr	0.13
521-349-12970	--	--	521-349-12970	--	--	--	5122.8	lb/yr	2.5614	5122.8	lb/yr	2.5614	--	--	--	281.8	lb/yr	0.1409	281.8	lb/yr	0.14
521-349-12990	--	--	521-349-12990	--	--	--	5464.3	lb/yr	2.73215	5464.3	lb/yr	2.73215	--	--	--	300.5	lb/yr	0.15025	300.5	lb/yr	0.15
521-448-1203	--	--	521-448-1203	--	--	--	85.4	lb/yr	0.0427	85.4	lb/yr	0.0427	--	--	--	4.7	lb/yr	0.00235	4.7	lb/yr	0.00
521-448-1204	--	--	521-448-1204	--	--	--	85.4	lb/yr	0.0427	85.4	lb/yr	0.0427	--	--	--	4.7	lb/yr	0.00235	4.7	lb/yr	0.00
521-448-1205	--	--	521-448-1205	--	--	--	85.4	lb/yr	0.0427	85.4	lb/yr	0.0427	--	--	--	4.7	lb/yr	0.00235	4.7	lb/yr	0.00
521-448-1206	--	--	521-448-1206	--	--	--	106.7	lb/yr	0.05335	106.7	lb/yr	0.05335	--	--	--	5.9	lb/yr	0.00295	5.9	lb/yr	0.00

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				CO											Acetaldehyde	1,3 Butadiene	Biphenyl	Bromoform
				Rule			PTE EF			Uncontrolled								
				EF	units	CO	EF	units	CO	EF	units	CO	Lead	HAP totals	Max SHAP	75-07-0	106-99-0	92-52-4	75-25-2
Facility ID	**EP**	**EP Description**	**EU**			99.45			114.23			114.46	0.02	102.16	47.22	9.54	0.00	3.06	1.31
350-448-8440	--	--	350-448-8440	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8450	--	--	350-448-8450	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8460	--	--	350-448-8460	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8470	--	--	350-448-8470	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8480	--	--	350-448-8480	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8490	--	--	350-448-8490	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8500	--	--	350-448-8500	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8510	--	--	350-448-8510	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8520	--	--	350-448-8520	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8530	--	--	350-448-8530	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8540	--	--	350-448-8540	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8570	--	--	350-448-8570	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8580	--	--	350-448-8580	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8590	--	--	350-448-8590	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8600	--	--	350-448-8600	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8601	--	--	350-448-8601	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-448-8602	--	--	350-448-8602	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
350-7010	--	--	350-7010	--	--	--	5665.8	lb/yr	2.8329	5665.8	lb/yr	2.8329	--	0.06325	0.0611	--	--	--	--
355-349-7000	EP355-349-7000	Air Makeup Unit #1 in Machine Building #1	355-349-7000	--	--	--	717.2	lb/yr	0.3586	717.2	lb/yr	0.3586	--	0.06	0.0077	--	--	--	--
355-349-7120	--	--	355-349-7120	--	--	--	1219.2	lb/yr	0.6096	1219.2	lb/yr	0.6096	--	0.0136	0.0131	--	--	--	--
355-448-7150	--	--	355-448-7150	--	--	--	88.9	lb/yr	0.04445	88.9	lb/yr	0.04445	--	0.001	0.0010	--	--	--	--
355-448-7160	--	--	355-448-7160	--	--	--	88.9	lb/yr	0.04445	88.9	lb/yr	0.04445	0.06325	0.001	0.0010	--	--	--	--
355-448-7170	--	--	355-448-7170	--	--	--	88.9	lb/yr	0.04445	88.9	lb/yr	0.04445	--	0.001	0.0010	--	--	--	--
355-448-7180	--	--	355-448-7180	--	--	--	88.9	lb/yr	0.04445	88.9	lb/yr	0.04445	--	0.001	0.0010	--	--	--	--
356-3045	--	--	356-3045	--	--	--	5719.6	lb/yr	2.8598	5719.6	lb/yr	2.8598	--	0.06385	0.0616	--	--	--	--
356-349-3040	--	--	356-349-3040	--	--	--	5916.8	lb/yr	2.9584	5916.8	lb/yr	2.9584	--	0.06605	0.0638	--	--	--	--
356-448-3277	--	--	356-448-3277	--	--	--	229.5	lb/yr	0.11475	229.5	lb/yr	0.11475	--	0.00255	0.0025	--	--	--	--
356-448-3278	--	--	356-448-3278	--	--	--	229.5	lb/yr	0.11475	229.5	lb/yr	0.11475	--	0.00255	0.0025	--	--	--	--
356-448-3279	--	--	356-448-3279	--	--	--	229.5	lb/yr	0.11475	229.5	lb/yr	0.11475	--	0.00255	0.0025	--	--	--	--
510-349-7384	--	--	510-349-7384	--	--	--	35.9	lb/yr	0.01795	35.9	lb/yr	0.01795	--	0.0004	0.0004	--	--	--	--
510-349-7386	--	--	510-349-7386	--	--	--	35.9	lb/yr	0.01795	35.9	lb/yr	0.01795	--	0.0004	0.0004	--	--	--	--
510-349-7388	--	--	510-349-7388	--	--	--	89.6	lb/yr	0.0448	89.6	lb/yr	0.0448	--	0.001	0.0004	--	--	--	--
510-349-7390	--	--	510-349-7390	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0004	--	--	--	--
520-349-7420	--	--	520-349-7420	--	--	--	3944.6	lb/yr	1.9723	3944.6	lb/yr	1.9723	--	0.044	0.0425	--	--	--	--
520-349-7425	--	--	520-349-7425	--	--	--	3944.6	lb/yr	1.9723	3944.6	lb/yr	1.9723	--	0.044	0.0425	--	--	--	--
520-349-7430	--	--	520-349-7430	--	--	--	4303.2	lb/yr	2.1516	4303.2	lb/yr	2.1516	--	0.04805	0.0464	--	--	--	--
520-349-7435	--	--	520-349-7435	--	--	--	4590	lb/yr	2.295	4590	lb/yr	2.295	--	0.05125	0.0495	--	--	--	--
520-349-7440	--	--	520-349-7440	--	--	--	4590	lb/yr	2.295	4590	lb/yr	2.295	--	0.05125	0.0495	--	--	--	--
520-349-7442	--	--	520-349-7442	--	--	--	4303.2	lb/yr	2.1516	4303.2	lb/yr	2.1516	--	0.04805	0.0464	--	--	--	--
521-T12-2	--	--	521-13006	--	--	--	609.6	lb/yr	0.3048	609.6	lb/yr	0.3048	--	0.0068	0.0066	--	--	--	--
520-7910	--	--	521-13005	--	--	--	609.6	lb/yr	0.3048	609.6	lb/yr	0.3048	--	0.0068	0.0066	--	--	--	--
521-13004	--	--	521-13004	--	--	--	609.6	lb/yr	0.3048	609.6	lb/yr	0.3048	--	0.0068	0.0066	--	--	--	--
521-13003	--	--	521-13003	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
521-13002	--	--	521-13002	--	--	--	53.8	lb/yr	0.0269	53.8	lb/yr	0.0269	--	0.0006	0.0006	--	--	--	--
521-13001	--	--	521-13001	--	--	--	53.8	lb/yr	0.0269	53.8	lb/yr	0.0269	--	0.0006	0.0006	--	--	--	--
521-13000	--	--	521-13000	--	--	--	4590	lb/yr	2.295	4590	lb/yr	2.295	--	0.05125	0.0495	--	--	--	--
521-349-12930	--	--	521-349-12930	--	--	--	2868.8	lb/yr	1.4344	2868.8	lb/yr	1.4344	--	0.032	0.0309	--	--	--	--
521-349-12940	--	--	521-349-12940	--	--	--	4303.2	lb/yr	2.1516	4303.2	lb/yr	2.1516	--	0.04805	0.0464	--	--	--	--
521-349-12950	--	--	521-349-12950	--	--	--	4303.2	lb/yr	2.1516	4303.2	lb/yr	2.1516	--	0.04805	0.0464	--	--	--	--
521-349-12960	--	--	521-349-12960	--	--	--	3944.6	lb/yr	1.9723	3944.6	lb/yr	1.9723	--	0.044	0.0425	--	--	--	--
521-349-12970	--	--	521-349-12970	--	--	--	4303.2	lb/yr	2.1516	4303.2	lb/yr	2.1516	--	0.04805	0.0464	--	--	--	--
521-349-12990	--	--	521-349-12990	--	--	--	4590	lb/yr	2.295	4590	lb/yr	2.295	--	0.05125	0.0495	--	--	--	--
521-448-1203	--	--	521-448-1203	--	--	--	71.7	lb/yr	0.03585	71.7	lb/yr	0.03585	--	0.0008	0.0008	--	--	--	--
521-448-1204	--	--	521-448-1204	--	--	--	71.7	lb/yr	0.03585	71.7	lb/yr	0.03585	--	0.0008	0.0008	--	--	--	--
521-448-1205	--	--	521-448-1205	--	--	--	71.7	lb/yr	0.03585	71.7	lb/yr	0.03585	--	0.0008	0.0008	--	--	--	--
521-448-1206	--	--	521-448-1206	--	--	--	89.6	lb/yr	0.0448	89.6	lb/yr	0.0448	--	0.001	0.0010	--	--	--	--

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

Facility ID	EP	EP Description	EU	Carbon disulfide 75-15-0	Formaldehyde 50-00-0	Methanol 67-56-1	Bromomethane 74-83-9	Chloromethane 74-87-3	Ethylene Glycol 107-21-1	Methylene Chloride 75-09-2	1,1,2-Trichloroethane 71-55-6	Naphthalene 91203	Phenol 108-95-2
				1.75	8.00	29.51	0.14	0.29	8.93	5.32	0.18	0.45	2.58
350-448-8440	--	--	350-448-8440	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8450	--	--	350-448-8450	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8460	--	--	350-448-8460	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8470	--	--	350-448-8470	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8480	--	--	350-448-8480	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8490	--	--	350-448-8490	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8500	--	--	350-448-8500	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8510	--	--	350-448-8510	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8520	--	--	350-448-8520	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8530	--	--	350-448-8530	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8540	--	--	350-448-8540	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8570	--	--	350-448-8570	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8580	--	--	350-448-8580	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8590	--	--	350-448-8590	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8600	--	--	350-448-8600	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8601	--	--	350-448-8601	--	0.00	--	--	--	--	--	--	0.00	--
350-448-8602	--	--	350-448-8602	--	0.00	--	--	--	--	--	--	0.00	--
350-7010	--	--	350-7010	--	0.00	--	--	--	--	--	--	0.00	--
355-349-7000	EP355-349-7000	Air Makeup Unit #1 in Machine Building #1	355-349-7000	--	0.00	--	--	--	--	--	--	0.00	--
355-349-7120	--	--	355-349-7120	--	0.00	--	--	--	--	--	--	0.00	--
355-448-7150	--	--	355-448-7150	--	0.00	--	--	--	--	--	--	0.00	--
355-448-7160	--	--	355-448-7160	--	0.00	--	--	--	--	--	--	0.00	--
355-448-7170	--	--	355-448-7170	--	0.00	--	--	--	--	--	--	0.00	--
355-448-7180	--	--	355-448-7180	--	0.00	--	--	--	--	--	--	0.00	--
356-3045	--	--	356-3045	--	0.00	--	--	--	--	--	--	0.00	--
356-349-3040	--	--	356-349-3040	--	0.00	--	--	--	--	--	--	0.00	--
356-448-3277	--	--	356-448-3277	--	0.00	--	--	--	--	--	--	0.00	--
356-448-3278	--	--	356-448-3278	--	0.00	--	--	--	--	--	--	0.00	--
356-448-3279	--	--	356-448-3279	--	0.00	--	--	--	--	--	--	0.00	--
510-349-7384	--	--	510-349-7384	--	0.00	--	--	--	--	--	--	0.00	--
510-349-7386	--	--	510-349-7386	--	0.00	--	--	--	--	--	--	0.00	--
510-349-7388	--	--	510-349-7388	--	0.00	--	--	--	--	--	--	0.00	--
510-349-7390	--	--	510-349-7390	--	0.00	--	--	--	--	--	--	0.00	--
520-349-7420	--	--	520-349-7420	--	0.00	--	--	--	--	--	--	0.00	--
520-349-7425	--	--	520-349-7425	--	0.00	--	--	--	--	--	--	0.00	--
520-349-7430	--	--	520-349-7430	--	0.00	--	--	--	--	--	--	0.00	--
520-349-7435	--	--	520-349-7435	--	0.00	--	--	--	--	--	--	0.00	--
520-349-7440	--	--	520-349-7440	--	0.00	--	--	--	--	--	--	0.00	--
520-349-7442	--	--	520-349-7442	--	0.00	--	--	--	--	--	--	0.00	--
521-T12-2	--	--	521-13006	--	0.00	--	--	--	--	--	--	0.00	--
520-7910	--	--	521-13005	--	0.00	--	--	--	--	--	--	0.00	--
521-13004	--	--	521-13004	--	0.00	--	--	--	--	--	--	0.00	--
521-13003	--	--	521-13003	--	0.00	--	--	--	--	--	--	0.00	--
521-13002	--	--	521-13002	--	0.00	--	--	--	--	--	--	0.00	--
521-13001	--	--	521-13001	--	0.00	--	--	--	--	--	--	0.00	--
521-13000	--	--	521-13000	--	0.00	--	--	--	--	--	--	0.00	--
521-349-12930	--	--	521-349-12930	--	0.00	--	--	--	--	--	--	0.00	--
521-349-12940	--	--	521-349-12940	--	0.00	--	--	--	--	--	--	0.00	--
521-349-12950	--	--	521-349-12950	--	0.00	--	--	--	--	--	--	0.00	--
521-349-12960	--	--	521-349-12960	--	0.00	--	--	--	--	--	--	0.00	--
521-349-12970	--	--	521-349-12970	--	0.00	--	--	--	--	--	--	0.00	--
521-349-12990	--	--	521-349-12990	--	0.00	--	--	--	--	--	--	0.00	--
521-448-1203	--	--	521-448-1203	--	0.00	--	--	--	--	--	--	0.00	--
521-448-1204	--	--	521-448-1204	--	0.00	--	--	--	--	--	--	0.00	--
521-448-1205	--	--	521-448-1205	--	0.00	--	--	--	--	--	--	0.00	--
521-448-1206	--	--	521-448-1206	--	0.00	--	--	--	--	--	--	0.00	--

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				Propionaldehyde	Toluene	Vinyl acetate	Xylene, mixed isomers	Ethylene Oxide	Propylene Oxide	Acrylamide	Acrolein	Arsenic	Benzene	Beryllium	Cadmium
				123-38-6	108-88-3	108-05-4	1330-20-7	75-21-8	75-56-9	79-06-1	107-02-8	7440-38-2	71-43-2	7440-41-7	7440-43-9
Facility ID	**EP**	**EP Description**	**EU**	2.61	8.50	11.66	1.50	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
350-448-8440	--	--	350-448-8440	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8450	--	--	350-448-8450	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8460	--	--	350-448-8460	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8470	--	--	350-448-8470	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8480	--	--	350-448-8480	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8490	--	--	350-448-8490	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8500	--	--	350-448-8500	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8510	--	--	350-448-8510	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8520	--	--	350-448-8520	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8530	--	--	350-448-8530	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8540	--	--	350-448-8540	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8570	--	--	350-448-8570	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8580	--	--	350-448-8580	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8590	--	--	350-448-8590	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8600	--	--	350-448-8600	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8601	--	--	350-448-8601	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-448-8602	--	--	350-448-8602	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-7010	--	--	350-7010	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
355-349-7000	EP355-349-7000	Air Makeup Unit #1 in Machine Building #1	355-349-7000	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
355-349-7120	--	--	355-349-7120	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
355-448-7150	--	--	355-448-7150	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
355-448-7160	--	--	355-448-7160	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
355-448-7170	--	--	355-448-7170	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
355-448-7180	--	--	355-448-7180	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
356-3045	--	--	356-3045	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
356-349-3040	--	--	356-349-3040	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
356-448-3277	--	--	356-448-3277	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
356-448-3278	--	--	356-448-3278	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
356-448-3279	--	--	356-448-3279	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
510-349-7384	--	--	510-349-7384	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
510-349-7386	--	--	510-349-7386	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
510-349-7388	--	--	510-349-7388	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
510-349-7390	--	--	510-349-7390	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
520-349-7420	--	--	520-349-7420	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
520-349-7425	--	--	520-349-7425	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
520-349-7430	--	--	520-349-7430	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
520-349-7435	--	--	520-349-7435	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
520-349-7440	--	--	520-349-7440	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
520-349-7442	--	--	520-349-7442	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
521-T12-2	--	--	521-13006	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
520-7910	--	--	521-13005	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
521-13004	--	--	521-13004	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
521-13003	--	--	521-13003	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
521-13002	--	--	521-13002	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
521-13001	--	--	521-13001	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
521-13000	--	--	521-13000	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
521-349-12930	--	--	521-349-12930	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
521-349-12940	--	--	521-349-12940	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
521-349-12950	--	--	521-349-12950	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
521-349-12960	--	--	521-349-12960	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
521-349-12970	--	--	521-349-12970	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
521-349-12990	--	--	521-349-12990	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
521-448-1203	--	--	521-448-1203	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
521-448-1204	--	--	521-448-1204	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
521-448-1205	--	--	521-448-1205	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
521-448-1206	--	--	521-448-1206	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				Chromium (VI)	Cobalt	Hexane	Manganese	Mercury	Nickel	Selenium
				18540-29-9	7440-48-4	110-54-3	7439-96-5	7439-97-6	7440-02-0	7782-49-2
Facility ID	**EP**	**EP Description**	**EU**	0.01	0.00	6.80	0.00	0.00	0.01	0.00
350-448-8440	--	--	350-448-8440	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8450	--	--	350-448-8450	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8460	--	--	350-448-8460	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8470	--	--	350-448-8470	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8480	--	--	350-448-8480	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8490	--	--	350-448-8490	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8500	--	--	350-448-8500	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8510	--	--	350-448-8510	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8520	--	--	350-448-8520	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8530	--	--	350-448-8530	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8540	--	--	350-448-8540	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8570	--	--	350-448-8570	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8580	--	--	350-448-8580	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8590	--	--	350-448-8590	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8600	--	--	350-448-8600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8601	--	--	350-448-8601	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-448-8602	--	--	350-448-8602	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-7010	--	--	350-7010	0.00	0.00	0.06	0.00	0.00	0.00	0.00
355-349-7000	EP355-349-7000	Air Makeup Unit #1 in Machine Building #1	355-349-7000	0.00	0.00	0.01	0.00	0.00	0.00	0.00
355-349-7120	--	--	355-349-7120	0.00	0.00	0.01	0.00	0.00	0.00	0.00
355-448-7150	--	--	355-448-7150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
355-448-7160	--	--	355-448-7160	0.00	0.00	0.00	0.00	0.00	0.00	0.00
355-448-7170	--	--	355-448-7170	0.00	0.00	0.00	0.00	0.00	0.00	0.00
355-448-7180	--	--	355-448-7180	0.00	0.00	0.00	0.00	0.00	0.00	0.00
356-3045	--	--	356-3045	0.00	0.00	0.06	0.00	0.00	0.00	0.00
356-349-3040	--	--	356-349-3040	0.00	0.00	0.06	0.00	0.00	0.00	0.00
356-448-3277	--	--	356-448-3277	0.00	0.00	0.00	0.00	0.00	0.00	0.00
356-448-3278	--	--	356-448-3278	0.00	0.00	0.00	0.00	0.00	0.00	0.00
356-448-3279	--	--	356-448-3279	0.00	0.00	0.00	0.00	0.00	0.00	0.00
510-349-7384	--	--	510-349-7384	0.00	0.00	0.00	0.00	0.00	0.00	0.00
510-349-7386	--	--	510-349-7386	0.00	0.00	0.00	0.00	0.00	0.00	0.00
510-349-7388	--	--	510-349-7388	0.00	0.00	0.00	0.00	0.00	0.00	0.00
510-349-7390	--	--	510-349-7390	0.00	0.00	0.00	0.00	0.00	0.00	0.00
520-349-7420	--	--	520-349-7420	0.00	0.00	0.04	0.00	0.00	0.00	0.00
520-349-7425	--	--	520-349-7425	0.00	0.00	0.04	0.00	0.00	0.00	0.00
520-349-7430	--	--	520-349-7430	0.00	0.00	0.05	0.00	0.00	0.00	0.00
520-349-7435	--	--	520-349-7435	0.00	0.00	0.05	0.00	0.00	0.00	0.00
520-349-7440	--	--	520-349-7440	0.00	0.00	0.05	0.00	0.00	0.00	0.00
520-349-7442	--	--	520-349-7442	0.00	0.00	0.05	0.00	0.00	0.00	0.00
521-T12-2	--	--	521-13006	0.00	0.00	0.01	0.00	0.00	0.00	0.00
520-7910	--	--	521-13005	0.00	0.00	0.01	0.00	0.00	0.00	0.00
521-13004	--	--	521-13004	0.00	0.00	0.01	0.00	0.00	0.00	0.00
521-13003	--	--	521-13003	0.00	0.00	0.00	0.00	0.00	0.00	0.00
521-13002	--	--	521-13002	0.00	0.00	0.00	0.00	0.00	0.00	0.00
521-13001	--	--	521-13001	0.00	0.00	0.00	0.00	0.00	0.00	0.00
521-13000	--	--	521-13000	0.00	0.00	0.05	0.00	0.00	0.00	0.00
521-349-12930	--	--	521-349-12930	0.00	0.00	0.03	0.00	0.00	0.00	0.00
521-349-12940	--	--	521-349-12940	0.00	0.00	0.05	0.00	0.00	0.00	0.00
521-349-12950	--	--	521-349-12950	0.00	0.00	0.05	0.00	0.00	0.00	0.00
521-349-12960	--	--	521-349-12960	0.00	0.00	0.04	0.00	0.00	0.00	0.00
521-349-12970	--	--	521-349-12970	0.00	0.00	0.05	0.00	0.00	0.00	0.00
521-349-12990	--	--	521-349-12990	0.00	0.00	0.05	0.00	0.00	0.00	0.00
521-448-1203	--	--	521-448-1203	0.00	0.00	0.00	0.00	0.00	0.00	0.00
521-448-1204	--	--	521-448-1204	0.00	0.00	0.00	0.00	0.00	0.00	0.00
521-448-1205	--	--	521-448-1205	0.00	0.00	0.00	0.00	0.00	0.00	0.00
521-448-1206	--	--	521-448-1206	0.00	0.00	0.00	0.00	0.00	0.00	0.00

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

Facility ID	EP	EP Description	EU	EU Description	CE	SCC No.	Temperature	acfm	scfm	hr/yr	Capacity	Units
521-448-5760	--	--	521-448-5760	Cooling Tower Pump House Unit Heater #1	--	--	--	--	--	8,760	0.09	MMBtu/hr
521-448-5770	--	--	521-448-5770	Cooling Tower Pump House Unit Heater #2	--	--	--	--	--	8,760	0.09	MMBtu/hr
540-448-1642	--	--	540-448-1642	Starch Kitchen Unit Heater #1	--	--	--	--	--	8,760	0.08	MMBtu/hr
540-448-1643	--	--	540-448-1643	Starch Kitchen Unit Heater #2	--	--	--	--	--	8,760	0.40	MMBtu/hr
540-448-1644	--	--	540-448-1644	Starch Kitchen Unit Heater #3	--	--	--	--	--	8,760	0.08	MMBtu/hr
540-448-1645	--	--	540-448-1645	Starch Kitchen Unit Heater #4	--	--	--	--	--	8,760	0.40	MMBtu/hr
551-349-2020	--	--	551-349-2020	#2 Tank Farm Unit Heater #1	--	--	--	--	--	8,760	0.16	MMBtu/hr
551-349-2030	--	--	551-349-2030	#2 Tank Farm Unit Heater #2	--	--	--	--	--	8,760	0.16	MMBtu/hr
551-349-2040	--	--	551-349-2040	#2 Tank Farm Unit Heater #3	--	--	--	--	--	8,760	0.16	MMBtu/hr
551-349-2050	--	--	551-349-2050	#2 Tank Farm Unit Heater #4	--	--	--	--	--	8,760	0.16	MMBtu/hr
560-349-7000	--	--	560-349-7000	Finish Roll Warehouse Air Make Unit #1	--	--	--	--	--	8,760	1.00	MMBtu/hr
560-349-8240	--	--	560-349-8240	Finish Roll Warehouse Air Make Unit #2	--	--	--	--	--	8,760	1.20	MMBtu/hr
560-448-7050	--	--	560-448-7050	Finish Roll Warehouse Unit Heater #1	--	--	--	--	--	8,760	0.20	MMBtu/hr
560-349-7060	--	--	560-349-7060	Finish Roll Warehouse Unit Heater #2	--	--	--	--	--	8,760	1.00	MMBtu/hr
560-448-7070	--	--	560-448-7070	Finish Roll Warehouse Unit Heater #3	--	--	--	--	--	8,760	0.20	MMBtu/hr
560-448-7080	--	--	560-448-7080	Finish Roll Warehouse Unit Heater #4	--	--	--	--	--	8,760	0.20	MMBtu/hr
560-448-7090	--	--	560-448-7090	Finish Roll Warehouse Unit Heater #5	--	--	--	--	--	8,760	0.20	MMBtu/hr
560-448-7100	--	--	560-448-7100	Finish Roll Warehouse Unit Heater #6	--	--	--	--	--	8,760	0.20	MMBtu/hr
560-448-7110	--	--	560-448-7110	Finish Roll Warehouse Unit Heater #7	--	--	--	--	--	8,760	0.20	MMBtu/hr
560-448-7120	--	--	560-448-7120	Finish Roll Warehouse Unit Heater #8	--	--	--	--	--	8,760	0.20	MMBtu/hr
560-448-7130	--	--	560-448-7130	Finish Roll Warehouse Door Heater #3	--	--	--	--	--	8,760	0.40	MMBtu/hr
560-448-7140	--	--	560-448-7140	Finish Roll Warehouse Door Heater #4	--	--	--	--	--	8,760	0.40	MMBtu/hr
560-448-7160	--	--	560-448-7160	Finish Roll Warehouse Door Heater #6	--	--	--	--	--	8,760	0.40	MMBtu/hr
560-448-7180	--	--	560-448-7180	Finish Roll Warehouse Door Heater #1	--	--	--	--	--	8,760	0.40	MMBtu/hr
560-448-7190	--	--	560-448-7190	Finish Roll Warehouse Door Heater #2	--	--	--	--	--	8,760	0.40	MMBtu/hr
560-448-8270	--	--	560-448-8270	Finish Roll Warehouse Unit Heater #9	--	--	--	--	--	8,760	0.20	MMBtu/hr
560-448-8280	--	--	560-448-8280	Finish Roll Warehouse Unit Heater #10	--	--	--	--	--	8,760	0.20	MMBtu/hr
560-448-8290	--	--	560-448-8290	Finish Roll Warehouse Unit Heater #12	--	--	--	--	--	8,760	0.20	MMBtu/hr
560-448-8300	--	--	560-448-8300	Finish Roll Warehouse Unit Heater #13	--	--	--	--	--	8,760	0.20	MMBtu/hr
560-448-8310	--	--	560-448-8310	Finish Roll Warehouse Unit Heater #14	--	--	--	--	--	8,760	0.20	MMBtu/hr
560-448-8320	--	--	560-448-8320	Finish Roll Warehouse Unit Heater #15	--	--	--	--	--	8,760	0.20	MMBtu/hr
560-448-8330	--	--	560-448-8330	Finish Roll Warehouse Unit Heater #16	--	--	--	--	--	8,760	0.20	MMBtu/hr
560-448-8340	--	--	560-448-8340	Finish Roll Warehouse Unit Heater #17	--	--	--	--	--	8,760	0.20	MMBtu/hr
560-448-8470	--	--	560-448-8470	Finish Roll Warehouse Door Heater #12	--	--	--	--	--	8,760	0.40	MMBtu/hr
560-488-7150	--	--	560-488-7150	Finish Roll Warehouse Door Heater #5	--	--	--	--	--	8,760	0.40	MMBtu/hr
560-488-7170	--	--	560-488-7170	Finish Roll Warehouse Door Heater #7	--	--	--	--	--	8,760	0.40	MMBtu/hr
560-488-8350	--	--	560-488-8350	Finish Roll Warehouse Door Heater #8	--	--	--	--	--	8,760	0.40	MMBtu/hr
560-488-8360	--	--	560-488-8360	Finish Roll Warehouse Door Heater #9	--	--	--	--	--	8,760	0.40	MMBtu/hr
560-488-8370	--	--	560-488-8370	Finish Roll Warehouse Door Heater #10	--	--	--	--	--	8,760	0.40	MMBtu/hr
560-488-8380	--	--	560-488-8380	Finish Roll Warehouse Door Heater #11	--	--	--	--	--	8,760	0.40	MMBtu/hr
810-349-7540	--	--	810-349-7540	Maintenance Shop Unit Heater #1	--	--	--	--	--	8,760	0.03	MMBtu/hr
810-349-7550	--	--	810-349-7550	Maintenance Shop Unit Heater #2	--	--	--	--	--	8,760	0.03	MMBtu/hr
810-349-7560	--	--	810-349-7560	Electrical Maintenance Unit Heater #3	--	--	--	--	--	8,760	0.03	MMBtu/hr
810-349-7660	--	--	810-349-7660	Main Receiving Stores Unit Heater #2	--	--	--	--	--	8,760	0.18	MMBtu/hr
810-349-7670	--	--	810-349-7670	Main Receiving Stores Unit Heater #1	--	--	--	--	--	8,760	0.03	MMBtu/hr
810-349-7820	--	--	810-349-7820	Rebuild Shop Unit Heater #1	--	--	--	--	--	8,760	0.03	MMBtu/hr
810-349-7840	--	--	810-349-7840	Weld Area Unit Heater #1	--	--	--	--	--	8,760	0.03	MMBtu/hr
810-349-7850	--	--	810-349-7850	Door Unit Maintenance Door Unit Heater #2	--	--	--	--	--	8,760	0.18	MMBtu/hr
350-8265	--	--	PM 2 RM	#2 PM Raw Material North AMU	--	--	--	--	--	8,760	8.24	MMBtu/hr
LPP-1 #24	--	--	PM 2 LEN	P.M. Department Lennox Furnace (Horiz)	--	--	--	--	--	8,760	0.08	MMBtu/hr
PM1 WD	--	--	PM1 WD	West Dock Heater	--	--	--	--	--	8,760	0.40	MMBtu/hr
PM1 BH	--	--	PM1 BH	Bumpout Heater	--	--	--	--	--	8,760	0.24	MMBtu/hr
PM2 FRH	--	--	PM2 FRH	Fire Riser Heater	--	--	--	--	--	8,760	0.40	MMBtu/hr
13007	--	--	13007	Door Unit Maintenance 2nd Floor WH 100 gal	--	--	--	--	--	8,760	0.19	MMBtu/hr
13008	--	--	13008	Fork Lift Repair Storage	--	--	--	--	--	8,760	0.20	MMBtu/hr
13009	--	--	13009	Fork Lift Repair Storage	--	--	--	--	--	8,760	0.40	MMBtu/hr

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				PM									PM10								
				Rule			PTE EF			Uncontrolled			Rule			PTE EF			Uncontrolled		
				EF	units	PM	EF	units	PM	EF	units	PM	EF	units	PM-10	EF	units	PM-10	EF	units	PM-10
Facility ID	**EP**	**EP Description**	**EU**			180.85			163.33			1558.74			172.70			155.18			947.90
521-448-5760	--	--	521-448-5760	--	--	--	5.8	lb/yr	0.0029	5.8	lb/yr	0.0029	--	--	--	5.8	lb/yr	0.0029	5.8	lb/yr	0.0029
521-448-5770	--	--	521-448-5770	--	--	--	5.8	lb/yr	0.0029	5.8	lb/yr	0.0029	--	--	--	5.8	lb/yr	0.0029	5.8	lb/yr	0.0029
540-448-1642	--	--	540-448-1642	--	--	--	4.9	lb/yr	0.00245	4.9	lb/yr	0.00245	--	--	--	4.9	lb/yr	0.00245	4.9	lb/yr	0.00245
540-448-1643	--	--	540-448-1643	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
540-448-1644	--	--	540-448-1644	--	--	--	4.9	lb/yr	0.00245	4.9	lb/yr	0.00245	--	--	--	4.9	lb/yr	0.00245	4.9	lb/yr	0.00245
540-448-1645	--	--	540-448-1645	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
551-349-2020	--	--	551-349-2020	--	--	--	10.4	lb/yr	0.0052	10.4	lb/yr	0.0052	--	--	--	10.4	lb/yr	0.0052	10.4	lb/yr	0.0052
551-349-2030	--	--	551-349-2030	--	--	--	10.4	lb/yr	0.0052	10.4	lb/yr	0.0052	--	--	--	10.4	lb/yr	0.0052	10.4	lb/yr	0.0052
551-349-2040	--	--	551-349-2040	--	--	--	10.4	lb/yr	0.0052	10.4	lb/yr	0.0052	--	--	--	10.4	lb/yr	0.0052	10.4	lb/yr	0.0052
551-349-2050	--	--	551-349-2050	--	--	--	10.4	lb/yr	0.0052	10.4	lb/yr	0.0052	--	--	--	10.4	lb/yr	0.0052	10.4	lb/yr	0.0052
560-349-7000	--	--	560-349-7000	--	--	--	64.9	lb/yr	0.03245	64.9	lb/yr	0.03245	--	--	--	64.9	lb/yr	0.03245	64.9	lb/yr	0.03245
560-349-8240	--	--	560-349-8240	--	--	--	77.9	lb/yr	0.03895	77.9	lb/yr	0.03895	--	--	--	77.9	lb/yr	0.03895	77.9	lb/yr	0.03895
560-448-7050	--	--	560-448-7050	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065
560-349-7060	--	--	560-349-7060	--	--	--	64.9	lb/yr	0.03245	64.9	lb/yr	0.03245	--	--	--	64.9	lb/yr	0.03245	64.9	lb/yr	0.03245
560-448-7070	--	--	560-448-7070	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065
560-448-7080	--	--	560-448-7080	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065
560-448-7090	--	--	560-448-7090	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065
560-448-7100	--	--	560-448-7100	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065
560-448-7110	--	--	560-448-7110	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065
560-448-7120	--	--	560-448-7120	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065
560-448-7130	--	--	560-448-7130	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
560-448-7140	--	--	560-448-7140	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
560-448-7160	--	--	560-448-7160	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
560-448-7180	--	--	560-448-7180	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
560-448-7190	--	--	560-448-7190	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
560-448-8270	--	--	560-448-8270	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065
560-448-8280	--	--	560-448-8280	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065
560-448-8270	--	--	560-448-8270	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065
560-448-8280	--	--	560-448-8280	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065
560-448-8290	--	--	560-448-8290	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065
560-448-8300	--	--	560-448-8300	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065
560-448-8310	--	--	560-448-8310	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065
560-448-8320	--	--	560-448-8320	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065
560-448-8330	--	--	560-448-8330	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065
560-448-8340	--	--	560-448-8340	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065
560-448-8470	--	--	560-448-8470	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
560-488-7150	--	--	560-488-7150	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
560-488-7170	--	--	560-488-7170	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
560-488-8350	--	--	560-488-8350	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
560-488-8360	--	--	560-488-8360	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
560-488-8370	--	--	560-488-8370	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
560-488-8380	--	--	560-488-8380	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
810-349-7540	--	--	810-349-7540	--	--	--	1.9	lb/yr	0.00095	1.9	lb/yr	0.00095	--	--	--	1.9	lb/yr	0.00095	1.9	lb/yr	0.00095
810-349-7550	--	--	810-349-7550	--	--	--	1.9	lb/yr	0.00095	1.9	lb/yr	0.00095	--	--	--	1.9	lb/yr	0.00095	1.9	lb/yr	0.00095
810-349-7560	--	--	810-349-7560	--	--	--	1.9	lb/yr	0.00095	1.9	lb/yr	0.00095	--	--	--	1.9	lb/yr	0.00095	1.9	lb/yr	0.00095
810-349-7660	--	--	810-349-7660	--	--	--	11.4	lb/yr	0.0057	11.4	lb/yr	0.0057	--	--	--	11.4	lb/yr	0.0057	11.4	lb/yr	0.0057
810-349-7670	--	--	810-349-7670	--	--	--	1.9	lb/yr	0.00095	1.9	lb/yr	0.00095	--	--	--	1.9	lb/yr	0.00095	1.9	lb/yr	0.00095
810-349-7820	--	--	810-349-7820	--	--	--	1.9	lb/yr	0.00095	1.9	lb/yr	0.00095	--	--	--	1.9	lb/yr	0.00095	1.9	lb/yr	0.00095
810-349-7840	--	--	810-349-7840	--	--	--	1.9	lb/yr	0.00095	1.9	lb/yr	0.00095	--	--	--	1.9	lb/yr	0.00095	1.9	lb/yr	0.00095
810-349-7850	--	--	810-349-7850	--	--	--	11.4	lb/yr	0.0057	11.4	lb/yr	0.0057	--	--	--	11.4	lb/yr	0.0057	11.4	lb/yr	0.0057
350-8265	--	--	PM 2 RM	--	--	--	535.3	lb/yr	0.26765	535.3	lb/yr	0.26765	--	--	--	535.3	lb/yr	0.26765	535.3	lb/yr	0.26765
LPP-1 #24	--	--	PM 2 LEN	--	--	--	4.9	lb/yr	0.00245	4.9	lb/yr	0.00245	--	--	--	4.9	lb/yr	0.00245	4.9	lb/yr	0.00245
PM1 WD	--	--	PM1 WD	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
PM1 BH	--	--	PM1 BH	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065
PM2 FRH	--	--	PM2 FRH	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013
13007	--	--	13007	--	--	--	12.9	lb/yr	0.00645	12.9	lb/yr	0.00645	--	--	--	12.9	lb/yr	0.00645	12.9	lb/yr	0.00645
13008	--	--	13008	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065
13009	--	--	13009	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				PM2.5									SOx								
				Rule			PTE EF			Uncontrolled			Rule			PTE EF			Uncontrolled		
				EF	units	PM-2.5	EF	units	PM-2.5	EF	units	PM-2.5	EF	units	SOx	EF	units	Sox	EF	units	Sox
Facility ID	**EP**	**EP Description**	**EU**			172.70			136.61			947.90			9.51			0.18			9.51
521-448-5760	--	--	521-448-5760	--	--	--	5.8	lb/yr	0.0029	5.8	lb/yr	0.0029	--	--	--	0.5	lb/yr	0.00025	0.5	lb/yr	0.00025
521-448-5770	--	--	521-448-5770	--	--	--	5.8	lb/yr	0.0029	5.8	lb/yr	0.0029	--	--	--	0.5	lb/yr	0.00025	0.5	lb/yr	0.00025
540-448-1642	--	--	540-448-1642	--	--	--	4.9	lb/yr	0.00245	4.9	lb/yr	0.00245	--	--	--	0.4	lb/yr	0.0002	0.4	lb/yr	0.0002
540-448-1643	--	--	540-448-1643	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
540-448-1644	--	--	540-448-1644	--	--	--	4.9	lb/yr	0.00245	4.9	lb/yr	0.00245	--	--	--	0.4	lb/yr	0.0002	0.4	lb/yr	0.0002
540-448-1645	--	--	540-448-1645	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
551-349-2020	--	--	551-349-2020	--	--	--	10.4	lb/yr	0.0052	10.4	lb/yr	0.0052	--	--	--	0.8	lb/yr	0.0004	0.8	lb/yr	0.0004
551-349-2030	--	--	551-349-2030	--	--	--	10.4	lb/yr	0.0052	10.4	lb/yr	0.0052	--	--	--	0.8	lb/yr	0.0004	0.8	lb/yr	0.0004
551-349-2040	--	--	551-349-2040	--	--	--	10.4	lb/yr	0.0052	10.4	lb/yr	0.0052	--	--	--	0.8	lb/yr	0.0004	0.8	lb/yr	0.0004
551-349-2050	--	--	551-349-2050	--	--	--	10.4	lb/yr	0.0052	10.4	lb/yr	0.0052	--	--	--	0.8	lb/yr	0.0004	0.8	lb/yr	0.0004
560-349-7000	--	--	560-349-7000	--	--	--	64.9	lb/yr	0.03245	64.9	lb/yr	0.03245	--	--	--	5.1	lb/yr	0.00255	5.1	lb/yr	0.00255
560-349-8240	--	--	560-349-8240	--	--	--	77.9	lb/yr	0.03895	77.9	lb/yr	0.03895	--	--	--	6.1	lb/yr	0.00305	6.1	lb/yr	0.00305
560-448-7050	--	--	560-448-7050	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	1	lb/yr	0.0005	1	lb/yr	0.0005
560-349-7060	--	--	560-349-7060	--	--	--	64.9	lb/yr	0.03245	64.9	lb/yr	0.03245	--	--	--	5.1	lb/yr	0.00255	5.1	lb/yr	0.00255
560-448-7070	--	--	560-448-7070	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	1	lb/yr	0.0005	1	lb/yr	0.0005
560-448-7080	--	--	560-448-7080	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	1	lb/yr	0.0005	1	lb/yr	0.0005
560-448-7090	--	--	560-448-7090	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	1	lb/yr	0.0005	1	lb/yr	0.0005
560-448-7100	--	--	560-448-7100	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	1	lb/yr	0.0005	1	lb/yr	0.0005
560-448-7110	--	--	560-448-7110	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	1	lb/yr	0.0005	1	lb/yr	0.0005
560-448-7120	--	--	560-448-7120	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	1	lb/yr	0.0005	1	lb/yr	0.0005
560-448-7130	--	--	560-448-7130	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
560-448-7140	--	--	560-448-7140	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
560-448-7160	--	--	560-448-7160	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
560-448-7180	--	--	560-448-7180	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
560-448-7190	--	--	560-448-7190	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
560-448-8270	--	--	560-448-8270	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	1	lb/yr	0.0005	1	lb/yr	0.0005
560-448-8280	--	--	560-448-8280	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	1	lb/yr	0.0005	1	lb/yr	0.0005
560-448-8290	--	--	560-448-8290	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	1	lb/yr	0.0005	1	lb/yr	0.0005
560-448-8300	--	--	560-448-8300	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	1	lb/yr	0.0005	1	lb/yr	0.0005
560-448-8310	--	--	560-448-8310	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	1	lb/yr	0.0005	1	lb/yr	0.0005
560-448-8320	--	--	560-448-8320	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	1	lb/yr	0.0005	1	lb/yr	0.0005
560-448-8330	--	--	560-448-8330	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	1	lb/yr	0.0005	1	lb/yr	0.0005
560-448-8340	--	--	560-448-8340	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	1	lb/yr	0.0005	1	lb/yr	0.0005
560-448-8470	--	--	560-448-8470	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
560-488-7150	--	--	560-488-7150	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
560-488-7170	--	--	560-488-7170	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
560-488-8350	--	--	560-488-8350	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
560-488-8360	--	--	560-488-8360	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
560-488-8370	--	--	560-488-8370	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
560-488-8380	--	--	560-488-8380	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
810-349-7540	--	--	810-349-7540	--	--	--	1.9	lb/yr	0.00095	1.9	lb/yr	0.00095	--	--	--	0.2	lb/yr	0.0001	0.2	lb/yr	0.0001
810-349-7550	--	--	810-349-7550	--	--	--	1.9	lb/yr	0.00095	1.9	lb/yr	0.00095	--	--	--	0.2	lb/yr	0.0001	0.2	lb/yr	0.0001
810-349-7560	--	--	810-349-7560	--	--	--	1.9	lb/yr	0.00095	1.9	lb/yr	0.00095	--	--	--	0.2	lb/yr	0.0001	0.2	lb/yr	0.0001
810-349-7660	--	--	810-349-7660	--	--	--	11.4	lb/yr	0.0057	11.4	lb/yr	0.0057	--	--	--	0.9	lb/yr	0.00045	0.9	lb/yr	0.00045
810-349-7670	--	--	810-349-7670	--	--	--	1.9	lb/yr	0.00095	1.9	lb/yr	0.00095	--	--	--	0.2	lb/yr	0.0001	0.2	lb/yr	0.0001
810-349-7820	--	--	810-349-7820	--	--	--	1.9	lb/yr	0.00095	1.9	lb/yr	0.00095	--	--	--	0.2	lb/yr	0.0001	0.2	lb/yr	0.0001
810-349-7840	--	--	810-349-7840	--	--	--	1.9	lb/yr	0.00095	1.9	lb/yr	0.00095	--	--	--	0.2	lb/yr	0.0001	0.2	lb/yr	0.0001
810-349-7850	--	--	810-349-7850	--	--	--	11.4	lb/yr	0.0057	11.4	lb/yr	0.0057	--	--	--	0.9	lb/yr	0.00045	0.9	lb/yr	0.00045
350-8265	--	--	PM 2 RM	--	--	--	535.3	lb/yr	0.26765	535.3	lb/yr	0.26765	--	--	--	42.3	lb/yr	0.02115	42.3	lb/yr	0.02115
LPP-1 #24	--	--	PM 2 LEN	--	--	--	4.9	lb/yr	0.00245	4.9	lb/yr	0.00245	--	--	--	0.4	lb/yr	0.0002	0.4	lb/yr	0.0002
PM1 WD	--	--	PM1 WD	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
PM1 BH	--	--	PM1 BH	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	1	lb/yr	0.0005	1	lb/yr	0.0005
PM2 FRH	--	--	PM2 FRH	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001
13007	--	--	13007	--	--	--	12.9	lb/yr	0.00645	12.9	lb/yr	0.00645	--	--	--	1	lb/yr	0.0005	1	lb/yr	0.0005
13008	--	--	13008	--	--	--	13	lb/yr	0.0065	13	lb/yr	0.0065	--	--	--	1	lb/yr	0.0005	1	lb/yr	0.0005
13009	--	--	13009	--	--	--	26	lb/yr	0.013	26	lb/yr	0.013	--	--	--	2	lb/yr	0.001	2	lb/yr	0.001

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				NOx									VOC								
				Rule			PTE EF			Uncontrolled			Rule			PTE EF			Uncontrolled		
				EF	units	NOx	EF	units	NOx	EF	units	NOx	EF	units	VOC	EF	units	VOC	EF	units	VOC
Facility ID	**EP**	**EP Description**	**EU**			100.06			385.92			414.93			172.00			196.71			242.46
521-448-5760	--	--	521-448-5760	--	--	--	76.8	lb/yr	0.0384	76.8	lb/yr	0.0384	--	--	--	4.2	lb/yr	0.0021	4.2	lb/yr	0.00
521-448-5770	--	--	521-448-5770	--	--	--	76.8	lb/yr	0.0384	76.8	lb/yr	0.0384	--	--	--	4.2	lb/yr	0.0021	4.2	lb/yr	0.00
540-448-1642	--	--	540-448-1642	--	--	--	64	lb/yr	0.032	64	lb/yr	0.032	--	--	--	3.5	lb/yr	0.00175	3.5	lb/yr	0.00
540-448-1643	--	--	540-448-1643	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
540-448-1644	--	--	540-448-1644	--	--	--	64	lb/yr	0.032	64	lb/yr	0.032	--	--	--	3.5	lb/yr	0.00175	3.5	lb/yr	0.00
540-448-1645	--	--	540-448-1645	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
551-349-2020	--	--	551-349-2020	--	--	--	136.6	lb/yr	0.0683	136.6	lb/yr	0.0683	--	--	--	7.5	lb/yr	0.00375	7.5	lb/yr	0.00
551-349-2030	--	--	551-349-2030	--	--	--	136.6	lb/yr	0.0683	136.6	lb/yr	0.0683	--	--	--	7.5	lb/yr	0.00375	7.5	lb/yr	0.00
551-349-2040	--	--	551-349-2040	--	--	--	136.6	lb/yr	0.0683	136.6	lb/yr	0.0683	--	--	--	7.5	lb/yr	0.00375	7.5	lb/yr	0.00
551-349-2050	--	--	551-349-2050	--	--	--	136.6	lb/yr	0.0683	136.6	lb/yr	0.0683	--	--	--	7.5	lb/yr	0.00375	7.5	lb/yr	0.00
560-349-7000	--	--	560-349-7000	--	--	--	853.8	lb/yr	0.4269	853.8	lb/yr	0.4269	--	--	--	47	lb/yr	0.0235	47	lb/yr	0.02
560-349-8240	--	--	560-349-8240	--	--	--	1024.6	lb/yr	0.5123	1024.6	lb/yr	0.5123	--	--	--	56.4	lb/yr	0.0282	56.4	lb/yr	0.03
560-448-7050	--	--	560-448-7050	--	--	--	170.8	lb/yr	0.0854	170.8	lb/yr	0.0854	--	--	--	9.4	lb/yr	0.0047	9.4	lb/yr	0.00
560-349-7060	--	--	560-349-7060	--	--	--	853.8	lb/yr	0.4269	853.8	lb/yr	0.4269	--	--	--	47	lb/yr	0.0235	47	lb/yr	0.02
560-448-7070	--	--	560-448-7070	--	--	--	170.8	lb/yr	0.0854	170.8	lb/yr	0.0854	--	--	--	9.4	lb/yr	0.0047	9.4	lb/yr	0.00
560-448-7080	--	--	560-448-7080	--	--	--	170.8	lb/yr	0.0854	170.8	lb/yr	0.0854	--	--	--	9.4	lb/yr	0.0047	9.4	lb/yr	0.00
560-448-7090	--	--	560-448-7090	--	--	--	170.8	lb/yr	0.0854	170.8	lb/yr	0.0854	--	--	--	9.4	lb/yr	0.0047	9.4	lb/yr	0.00
560-448-7100	--	--	560-448-7100	--	--	--	170.8	lb/yr	0.0854	170.8	lb/yr	0.0854	--	--	--	9.4	lb/yr	0.0047	9.4	lb/yr	0.00
560-448-7110	--	--	560-448-7110	--	--	--	170.8	lb/yr	0.0854	170.8	lb/yr	0.0854	--	--	--	9.4	lb/yr	0.0047	9.4	lb/yr	0.00
560-448-7120	--	--	560-448-7120	--	--	--	170.8	lb/yr	0.0854	170.8	lb/yr	0.0854	--	--	--	9.4	lb/yr	0.0047	9.4	lb/yr	0.00
560-448-7130	--	--	560-448-7130	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
560-448-7140	--	--	560-448-7140	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
560-448-7160	--	--	560-448-7160	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
560-448-7180	--	--	560-448-7180	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
560-448-7190	--	--	560-448-7190	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
560-448-8270	--	--	560-448-8270	--	--	--	170.8	lb/yr	0.0854	170.8	lb/yr	0.0854	--	--	--	9.4	lb/yr	0.0047	9.4	lb/yr	0.00
560-448-8280	--	--	560-448-8280	--	--	--	170.8	lb/yr	0.0854	170.8	lb/yr	0.0854	--	--	--	9.4	lb/yr	0.0047	9.4	lb/yr	0.00
560-448-8290	--	--	560-448-8290	--	--	--	170.8	lb/yr	0.0854	170.8	lb/yr	0.0854	--	--	--	9.4	lb/yr	0.0047	9.4	lb/yr	0.00
560-448-8300	--	--	560-448-8300	--	--	--	170.8	lb/yr	0.0854	170.8	lb/yr	0.0854	--	--	--	9.4	lb/yr	0.0047	9.4	lb/yr	0.00
560-448-8310	--	--	560-448-8310	--	--	--	170.8	lb/yr	0.0854	170.8	lb/yr	0.0854	--	--	--	9.4	lb/yr	0.0047	9.4	lb/yr	0.00
560-448-8320	--	--	560-448-8320	--	--	--	170.8	lb/yr	0.0854	170.8	lb/yr	0.0854	--	--	--	9.4	lb/yr	0.0047	9.4	lb/yr	0.00
560-448-8330	--	--	560-448-8330	--	--	--	170.8	lb/yr	0.0854	170.8	lb/yr	0.0854	--	--	--	9.4	lb/yr	0.0047	9.4	lb/yr	0.00
560-448-8340	--	--	560-448-8340	--	--	--	170.8	lb/yr	0.0854	170.8	lb/yr	0.0854	--	--	--	9.4	lb/yr	0.0047	9.4	lb/yr	0.00
560-448-8470	--	--	560-448-8470	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
560-488-7150	--	--	560-488-7150	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
560-488-7170	--	--	560-488-7170	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
560-488-8350	--	--	560-488-8350	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
560-488-8360	--	--	560-488-8360	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
560-488-8370	--	--	560-488-8370	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
560-488-8380	--	--	560-488-8380	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
810-349-7540	--	--	810-349-7540	--	--	--	25.6	lb/yr	0.0128	25.6	lb/yr	0.0128	--	--	--	1.4	lb/yr	0.0007	1.4	lb/yr	0.00
810-349-7550	--	--	810-349-7550	--	--	--	25.6	lb/yr	0.0128	25.6	lb/yr	0.0128	--	--	--	1.4	lb/yr	0.0007	1.4	lb/yr	0.00
810-349-7560	--	--	810-349-7560	--	--	--	25.6	lb/yr	0.0128	25.6	lb/yr	0.0128	--	--	--	1.4	lb/yr	0.0007	1.4	lb/yr	0.00
810-349-7660	--	--	810-349-7660	--	--	--	149.4	lb/yr	0.0747	149.4	lb/yr	0.0747	--	--	--	8.2	lb/yr	0.0041	8.2	lb/yr	0.00
810-349-7670	--	--	810-349-7670	--	--	--	25.6	lb/yr	0.0128	25.6	lb/yr	0.0128	--	--	--	1.4	lb/yr	0.0007	1.4	lb/yr	0.00
810-349-7820	--	--	810-349-7820	--	--	--	25.6	lb/yr	0.0128	25.6	lb/yr	0.0128	--	--	--	1.4	lb/yr	0.0007	1.4	lb/yr	0.00
810-349-7840	--	--	810-349-7840	--	--	--	25.6	lb/yr	0.0128	25.6	lb/yr	0.0128	--	--	--	1.4	lb/yr	0.0007	1.4	lb/yr	0.00
810-349-7850	--	--	810-349-7850	--	--	--	149.4	lb/yr	0.0747	149.4	lb/yr	0.0747	--	--	--	8.2	lb/yr	0.0041	8.2	lb/yr	0.00
350-8265	--	--	PM 2 RM	--	--	--	7043.9	lb/yr	3.52195	7043.9	lb/yr	3.52195	--	--	--	387.4	lb/yr	0.1937	387.4	lb/yr	0.19
LPP-1 #24	--	--	PM 2 LEN	--	--	--	64	lb/yr	0.032	64	lb/yr	0.032	--	--	--	3.5	lb/yr	0.00175	3.5	lb/yr	0.00
PM1 WD	--	--	PM1 WD	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
PM1 BH	--	--	PM1 BH	--	--	--	170.8	lb/yr	0.0854	170.8	lb/yr	0.0854	--	--	--	9.4	lb/yr	0.0047	9.4	lb/yr	0.00
PM2 FRH	--	--	PM2 FRH	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01
13007	--	--	13007	--	--	--	169.9	lb/yr	0.08495	169.9	lb/yr	0.08495	--	--	--	9.3	lb/yr	0.00465	9.3	lb/yr	0.00
13008	--	--	13008	--	--	--	170.8	lb/yr	0.0854	170.8	lb/yr	0.0854	--	--	--	9.4	lb/yr	0.0047	9.4	lb/yr	0.00
13009	--	--	13009	--	--	--	341.5	lb/yr	0.17075	341.5	lb/yr	0.17075	--	--	--	18.8	lb/yr	0.0094	18.8	lb/yr	0.01

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				CO											Acetaldehyde	1,3 Butadiene	Biphenyl	Bromoform
				Rule			PTE EF			Uncontrolled								
				EF	units	CO	EF	units	CO	EF	units	CO	Lead	HAP totals	Max SHAP	75-07-0	106-99-0	92-52-4	75-25-2
Facility ID	**EP**	**EP Description**	**EU**			99.45			114.23			114.46	0.02	102.16	47.22	9.54	0.00	3.06	1.31
521-448-5760	--	--	521-448-5760	--	--	--	64.5	lb/yr	0.03225	64.5	lb/yr	0.03225	--	0.0007	0.0007	--	--	--	--
521-448-5770	--	--	521-448-5770	--	--	--	64.5	lb/yr	0.03225	64.5	lb/yr	0.03225	--	0.0007	0.0007	--	--	--	--
540-448-1642	--	--	540-448-1642	--	--	--	53.8	lb/yr	0.0269	53.8	lb/yr	0.0269	--	0.0006	0.0006	--	--	--	--
540-448-1643	--	--	540-448-1643	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
540-448-1644	--	--	540-448-1644	--	--	--	53.8	lb/yr	0.0269	53.8	lb/yr	0.0269	--	0.0006	0.0006	--	--	--	--
540-448-1645	--	--	540-448-1645	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
551-349-2020	--	--	551-349-2020	--	--	--	114.8	lb/yr	0.0574	114.8	lb/yr	0.0574	--	0.0013	0.0012	--	--	--	--
551-349-2030	--	--	551-349-2030	--	--	--	114.8	lb/yr	0.0574	114.8	lb/yr	0.0574	--	0.0013	0.0012	--	--	--	--
551-349-2040	--	--	551-349-2040	--	--	--	114.8	lb/yr	0.0574	114.8	lb/yr	0.0574	--	0.0013	0.0012	--	--	--	--
551-349-2050	--	--	551-349-2050	--	--	--	114.8	lb/yr	0.0574	114.8	lb/yr	0.0574	--	0.0013	0.0012	--	--	--	--
560-349-7000	--	--	560-349-7000	--	--	--	717.2	lb/yr	0.3586	717.2	lb/yr	0.3586	--	0.008	0.0077	--	--	--	--
560-349-8240	--	--	560-349-8240	--	--	--	860.6	lb/yr	0.4303	860.6	lb/yr	0.4303	--	0.0096	0.0093	--	--	--	--
560-448-7050	--	--	560-448-7050	--	--	--	143.4	lb/yr	0.0717	143.4	lb/yr	0.0717	--	0.0016	0.0015	--	--	--	--
560-349-7060	--	--	560-349-7060	--	--	--	717.2	lb/yr	0.3586	717.2	lb/yr	0.3586	--	0.008	0.0077	--	--	--	--
560-448-7070	--	--	560-448-7070	--	--	--	143.4	lb/yr	0.0717	143.4	lb/yr	0.0717	--	0.0016	0.0015	--	--	--	--
560-448-7080	--	--	560-448-7080	--	--	--	143.4	lb/yr	0.0717	143.4	lb/yr	0.0717	--	0.0016	0.0015	--	--	--	--
560-448-7090	--	--	560-448-7090	--	--	--	143.4	lb/yr	0.0717	143.4	lb/yr	0.0717	--	0.0016	0.0015	--	--	--	--
560-448-7100	--	--	560-448-7100	--	--	--	143.4	lb/yr	0.0717	143.4	lb/yr	0.0717	--	0.0016	0.0015	--	--	--	--
560-448-7110	--	--	560-448-7110	--	--	--	143.4	lb/yr	0.0717	143.4	lb/yr	0.0717	--	0.0016	0.0015	--	--	--	--
560-448-7120	--	--	560-448-7120	--	--	--	143.4	lb/yr	0.0717	143.4	lb/yr	0.0717	--	0.0016	0.0015	--	--	--	--
560-448-7130	--	--	560-448-7130	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
560-448-7140	--	--	560-448-7140	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
560-448-7160	--	--	560-448-7160	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
560-448-7180	--	--	560-448-7180	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
560-448-7190	--	--	560-448-7190	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
560-448-8270	--	--	560-448-8270	--	--	--	143.4	lb/yr	0.0717	143.4	lb/yr	0.0717	--	0.0016	0.0015	--	--	--	--
560-448-8280	--	--	560-448-8280	--	--	--	143.4	lb/yr	0.0717	143.4	lb/yr	0.0717	--	0.0016	0.0015	--	--	--	--
560-448-8270	--	--	560-448-8270	--	--	--	143.4	lb/yr	0.0717	143.4	lb/yr	0.0717	--	0.0016	0.0015	--	--	--	--
560-448-8280	--	--	560-448-8280	--	--	--	143.4	lb/yr	0.0717	143.4	lb/yr	0.0717	--	0.0016	0.0015	--	--	--	--
560-448-8290	--	--	560-448-8290	--	--	--	143.4	lb/yr	0.0717	143.4	lb/yr	0.0717	--	0.0016	0.0015	--	--	--	--
560-448-8300	--	--	560-448-8300	--	--	--	143.4	lb/yr	0.0717	143.4	lb/yr	0.0717	--	0.0016	0.0015	--	--	--	--
560-448-8310	--	--	560-448-8310	--	--	--	143.4	lb/yr	0.0717	143.4	lb/yr	0.0717	--	0.0016	0.0015	--	--	--	--
560-448-8320	--	--	560-448-8320	--	--	--	143.4	lb/yr	0.0717	143.4	lb/yr	0.0717	--	0.0016	0.0015	--	--	--	--
560-448-8330	--	--	560-448-8330	--	--	--	143.4	lb/yr	0.0717	143.4	lb/yr	0.0717	--	0.0016	0.0015	--	--	--	--
560-448-8340	--	--	560-448-8340	--	--	--	143.4	lb/yr	0.0717	143.4	lb/yr	0.0717	--	0.0016	0.0015	--	--	--	--
560-448-8470	--	--	560-448-8470	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
560-488-7150	--	--	560-488-7150	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
560-488-7170	--	--	560-488-7170	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
560-488-8350	--	--	560-488-8350	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
560-488-8360	--	--	560-488-8360	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
560-488-8370	--	--	560-488-8370	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
560-488-8380	--	--	560-488-8380	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
810-349-7540	--	--	810-349-7540	--	--	--	21.5	lb/yr	0.01075	21.5	lb/yr	0.01075	--	0.00025	0.0002	--	--	--	--
810-349-7550	--	--	810-349-7550	--	--	--	21.5	lb/yr	0.01075	21.5	lb/yr	0.01075	--	0.00025	0.0002	--	--	--	--
810-349-7560	--	--	810-349-7560	--	--	--	21.5	lb/yr	0.01075	21.5	lb/yr	0.01075	--	0.00025	0.0002	--	--	--	--
810-349-7660	--	--	810-349-7660	--	--	--	125.5	lb/yr	0.06275	125.5	lb/yr	0.06275	--	0.0014	0.0014	--	--	--	--
810-349-7670	--	--	810-349-7670	--	--	--	21.5	lb/yr	0.01075	21.5	lb/yr	0.01075	--	0.00025	0.0002	--	--	--	--
810-349-7820	--	--	810-349-7820	--	--	--	21.5	lb/yr	0.01075	21.5	lb/yr	0.01075	--	0.00025	0.0002	--	--	--	--
810-349-7840	--	--	810-349-7840	--	--	--	21.5	lb/yr	0.01075	21.5	lb/yr	0.01075	--	0.00025	0.0002	--	--	--	--
810-349-7850	--	--	810-349-7850	--	--	--	125.5	lb/yr	0.06275	125.5	lb/yr	0.06275	--	0.0014	0.0014	--	--	--	--
350-8265	--	--	PM 2 RM	--	--	--	5916.8	lb/yr	2.9584	5916.8	lb/yr	2.9584	--	0.06605	0.0637	--	--	--	--
LPP-1 #24	--	--	PM 2 LEN	--	--	--	53.8	lb/yr	0.0269	53.8	lb/yr	0.0269	--	0.0006	0.0006	--	--	--	--
PM1 WD	--	--	PM1 WD	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
PM1 BH	--	--	PM1 BH	--	--	--	143.4	lb/yr	0.0717	143.4	lb/yr	0.0717	--	0.0016	0.0019	--	--	--	--
PM2 FRH	--	--	PM2 FRH	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--
13007	--	--	13007	--	--	--	142.7	lb/yr	0.07135	142.7	lb/yr	0.07135	--	0.0016	0.0015	--	--	--	--
13008	--	--	13008	--	--	--	143.4	lb/yr	0.0717	143.4	lb/yr	0.0717	--	0.0016	0.0015	--	--	--	--
13009	--	--	13009	--	--	--	286.9	lb/yr	0.14345	286.9	lb/yr	0.14345	--	0.0032	0.0031	--	--	--	--

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

Facility ID	EP	EP Description	EU	Carbon disulfide	Formaldehyde	Methanol	Bromomethane	Chloromethane	Ethylene Glycol	Methylene Chloride	1,1,2-Trichloroethane	Naphthalene	Phenol
				75-15-0	50-00-0	67-56-1	74-83-9	74-87-3	107-21-1	75-09-2	71-55-6	91203	108-95-2
				1.75	8.00	29.51	0.14	0.29	8.93	5.32	0.18	0.45	2.58
521-448-5760	--	--	521-448-5760	--	0.00	--	--	--	--	--	--	0.00	--
521-448-5770	--	--	521-448-5770	--	0.00	--	--	--	--	--	--	0.00	--
540-448-1642	--	--	540-448-1642	--	0.00	--	--	--	--	--	--	0.00	--
540-448-1643	--	--	540-448-1643	--	0.00	--	--	--	--	--	--	0.00	--
540-448-1644	--	--	540-448-1644	--	0.00	--	--	--	--	--	--	0.00	--
540-448-1645	--	--	540-448-1645	--	0.00	--	--	--	--	--	--	0.00	--
551-349-2020	--	--	551-349-2020	--	0.00	--	--	--	--	--	--	0.00	--
551-349-2030	--	--	551-349-2030	--	0.00	--	--	--	--	--	--	0.00	--
551-349-2040	--	--	551-349-2040	--	0.00	--	--	--	--	--	--	0.00	--
551-349-2050	--	--	551-349-2050	--	0.00	--	--	--	--	--	--	0.00	--
560-349-7000	--	--	560-349-7000	--	0.00	--	--	--	--	--	--	0.00	--
560-349-8240	--	--	560-349-8240	--	0.00	--	--	--	--	--	--	0.00	--
560-448-7050	--	--	560-448-7050	--	0.00	--	--	--	--	--	--	0.00	--
560-349-7060	--	--	560-349-7060	--	0.00	--	--	--	--	--	--	0.00	--
560-448-7070	--	--	560-448-7070	--	0.00	--	--	--	--	--	--	0.00	--
560-448-7080	--	--	560-448-7080	--	0.00	--	--	--	--	--	--	0.00	--
560-448-7090	--	--	560-448-7090	--	0.00	--	--	--	--	--	--	0.00	--
560-448-7100	--	--	560-448-7100	--	0.00	--	--	--	--	--	--	0.00	--
560-448-7110	--	--	560-448-7110	--	0.00	--	--	--	--	--	--	0.00	--
560-448-7120	--	--	560-448-7120	--	0.00	--	--	--	--	--	--	0.00	--
560-448-7130	--	--	560-448-7130	--	0.00	--	--	--	--	--	--	0.00	--
560-448-7140	--	--	560-448-7140	--	0.00	--	--	--	--	--	--	0.00	--
560-448-7160	--	--	560-448-7160	--	0.00	--	--	--	--	--	--	0.00	--
560-448-7180	--	--	560-448-7180	--	0.00	--	--	--	--	--	--	0.00	--
560-448-7190	--	--	560-448-7190	--	0.00	--	--	--	--	--	--	0.00	--
560-448-8270	--	--	560-448-8270	--	0.00	--	--	--	--	--	--	0.00	--
560-448-8280	--	--	560-448-8280	--	0.00	--	--	--	--	--	--	0.00	--
560-448-8270	--	--	560-448-8270	--	0.00	--	--	--	--	--	--	0.00	--
560-448-8280	--	--	560-448-8280	--	0.00	--	--	--	--	--	--	0.00	--
560-448-8290	--	--	560-448-8290	--	0.00	--	--	--	--	--	--	0.00	--
560-448-8300	--	--	560-448-8300	--	0.00	--	--	--	--	--	--	0.00	--
560-448-8310	--	--	560-448-8310	--	0.00	--	--	--	--	--	--	0.00	--
560-448-8320	--	--	560-448-8320	--	0.00	--	--	--	--	--	--	0.00	--
560-448-8330	--	--	560-448-8330	--	0.00	--	--	--	--	--	--	0.00	--
560-448-8340	--	--	560-448-8340	--	0.00	--	--	--	--	--	--	0.00	--
560-448-8470	--	--	560-448-8470	--	0.00	--	--	--	--	--	--	0.00	--
560-488-7150	--	--	560-488-7150	--	0.00	--	--	--	--	--	--	0.00	--
560-488-7170	--	--	560-488-7170	--	0.00	--	--	--	--	--	--	0.00	--
560-488-8350	--	--	560-488-8350	--	0.00	--	--	--	--	--	--	0.00	--
560-488-8360	--	--	560-488-8360	--	0.00	--	--	--	--	--	--	0.00	--
560-488-8370	--	--	560-488-8370	--	0.00	--	--	--	--	--	--	0.00	--
560-488-8380	--	--	560-488-8380	--	0.00	--	--	--	--	--	--	0.00	--
810-349-7540	--	--	810-349-7540	--	0.00	--	--	--	--	--	--	0.00	--
810-349-7550	--	--	810-349-7550	--	0.00	--	--	--	--	--	--	0.00	--
810-349-7560	--	--	810-349-7560	--	0.00	--	--	--	--	--	--	0.00	--
810-349-7660	--	--	810-349-7660	--	0.00	--	--	--	--	--	--	0.00	--
810-349-7670	--	--	810-349-7670	--	0.00	--	--	--	--	--	--	0.00	--
810-349-7820	--	--	810-349-7820	--	0.00	--	--	--	--	--	--	0.00	--
810-349-7840	--	--	810-349-7840	--	0.00	--	--	--	--	--	--	0.00	--
810-349-7850	--	--	810-349-7850	--	0.00	--	--	--	--	--	--	0.00	--
350-8265	--	--	PM 2 RM	--	0.00	--	--	--	--	--	--	0.00	--
LPP-1 #24	--	--	PM 2 LEN	--	0.00	--	--	--	--	--	--	0.00	--
PM1 WD	--	--	PM1 WD	--	0.00	--	--	--	--	--	--	0.00	--
PM1 BH	--	--	PM1 BH	--	0.00	--	--	--	--	--	--	0.00	--
PM2 FRH	--	--	PM2 FRH	--	0.00	--	--	--	--	--	--	0.00	--
13007	--	--	13007	--	0.00	--	--	--	--	--	--	0.00	--
13008	--	--	13008	--	0.00	--	--	--	--	--	--	0.00	--
13009	--	--	13009	--	0.00	--	--	--	--	--	--	0.00	--

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

Facility ID	EP	EP Description	EU	Propionaldehyde	Toluene	Vinyl acetate	Xylene, mixed isomers	Ethylene Oxide	Propylene Oxide	Acrylamide	Acrolein	Arsenic	Benzene	Beryllium	Cadmium
				123-38-6	108-88-3	108-05-4	1330-20-7	75-21-8	75-56-9	79-06-1	107-02-8	7440-38-2	71-43-2	7440-41-7	7440-43-9
				2.61	8.50	11.66	1.50	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
521-448-5760	--	--	521-448-5760	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
521-448-5770	--	--	521-448-5770	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
540-448-1642	--	--	540-448-1642	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
540-448-1643	--	--	540-448-1643	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
540-448-1644	--	--	540-448-1644	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
540-448-1645	--	--	540-448-1645	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
551-349-2020	--	--	551-349-2020	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
551-349-2030	--	--	551-349-2030	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
551-349-2040	--	--	551-349-2040	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
551-349-2050	--	--	551-349-2050	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-349-7000	--	--	560-349-7000	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-349-8240	--	--	560-349-8240	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-448-7050	--	--	560-448-7050	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-349-7060	--	--	560-349-7060	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-448-7070	--	--	560-448-7070	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-448-7080	--	--	560-448-7080	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-448-7090	--	--	560-448-7090	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-448-7100	--	--	560-448-7100	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-448-7110	--	--	560-448-7110	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-448-7120	--	--	560-448-7120	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-448-7130	--	--	560-448-7130	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-448-7140	--	--	560-448-7140	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-448-7160	--	--	560-448-7160	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-448-7180	--	--	560-448-7180	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-448-7190	--	--	560-448-7190	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-448-8270	--	--	560-448-8270	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-448-8280	--	--	560-448-8280	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-448-8270	--	--	560-448-8270	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-448-8280	--	--	560-448-8280	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-448-8290	--	--	560-448-8290	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-448-8300	--	--	560-448-8300	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-448-8310	--	--	560-448-8310	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-448-8320	--	--	560-448-8320	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-448-8330	--	--	560-448-8330	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-448-8340	--	--	560-448-8340	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-448-8470	--	--	560-448-8470	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-488-7150	--	--	560-488-7150	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-488-7170	--	--	560-488-7170	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-488-8350	--	--	560-488-8350	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-488-8360	--	--	560-488-8360	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-488-8370	--	--	560-488-8370	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
560-488-8380	--	--	560-488-8380	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
810-349-7540	--	--	810-349-7540	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
810-349-7550	--	--	810-349-7550	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
810-349-7560	--	--	810-349-7560	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
810-349-7660	--	--	810-349-7660	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
810-349-7670	--	--	810-349-7670	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
810-349-7820	--	--	810-349-7820	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
810-349-7840	--	--	810-349-7840	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
810-349-7850	--	--	810-349-7850	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
350-8265	--	--	PM 2 RM	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
LPP-1 #24	--	--	PM 2 LEN	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
PM1 WD	--	--	PM1 WD	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
PM1 BH	--	--	PM1 BH	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
PM2 FRH	--	--	PM2 FRH	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
13007	--	--	13007	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
13008	--	--	13008	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
13009	--	--	13009	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

Facility ID	EP	EP Description	EU	Chromium (VI) 18540-29-9	Cobalt 7440-48-4	Hexane 110-54-3	Manganese 7439-96-5	Mercury 7439-97-6	Nickel 7440-02-0	Selenium 7782-49-2
				0.01	0.00	6.80	0.00	0.00	0.01	0.00
521-448-5760	--	--	521-448-5760	0.00	0.00	0.00	0.00	0.00	0.00	0.00
521-448-5770	--	--	521-448-5770	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540-448-1642	--	--	540-448-1642	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540-448-1643	--	--	540-448-1643	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540-448-1644	--	--	540-448-1644	0.00	0.00	0.00	0.00	0.00	0.00	0.00
540-448-1645	--	--	540-448-1645	0.00	0.00	0.00	0.00	0.00	0.00	0.00
551-349-2020	--	--	551-349-2020	0.00	0.00	0.00	0.00	0.00	0.00	0.00
551-349-2030	--	--	551-349-2030	0.00	0.00	0.00	0.00	0.00	0.00	0.00
551-349-2040	--	--	551-349-2040	0.00	0.00	0.00	0.00	0.00	0.00	0.00
551-349-2050	--	--	551-349-2050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-349-7000	--	--	560-349-7000	0.00	0.00	0.01	0.00	0.00	0.00	0.00
560-349-8240	--	--	560-349-8240	0.00	0.00	0.01	0.00	0.00	0.00	0.00
560-448-7050	--	--	560-448-7050	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-349-7060	--	--	560-349-7060	0.00	0.00	0.01	0.00	0.00	0.00	0.00
560-448-7070	--	--	560-448-7070	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-448-7080	--	--	560-448-7080	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-448-7090	--	--	560-448-7090	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-448-7100	--	--	560-448-7100	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-448-7110	--	--	560-448-7110	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-448-7120	--	--	560-448-7120	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-448-7130	--	--	560-448-7130	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-448-7140	--	--	560-448-7140	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-448-7160	--	--	560-448-7160	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-448-7180	--	--	560-448-7180	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-448-7190	--	--	560-448-7190	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-448-8270	--	--	560-448-8270	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-448-8280	--	--	560-448-8280	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-448-8290	--	--	560-448-8290	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-448-8300	--	--	560-448-8300	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-448-8310	--	--	560-448-8310	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-448-8320	--	--	560-448-8320	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-448-8330	--	--	560-448-8330	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-448-8340	--	--	560-448-8340	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-448-8470	--	--	560-448-8470	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-488-7150	--	--	560-488-7150	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-488-7170	--	--	560-488-7170	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-488-8350	--	--	560-488-8350	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-488-8360	--	--	560-488-8360	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-488-8370	--	--	560-488-8370	0.00	0.00	0.00	0.00	0.00	0.00	0.00
560-488-8380	--	--	560-488-8380	0.00	0.00	0.00	0.00	0.00	0.00	0.00
810-349-7540	--	--	810-349-7540	0.00	0.00	0.00	0.00	0.00	0.00	0.00
810-349-7550	--	--	810-349-7550	0.00	0.00	0.00	0.00	0.00	0.00	0.00
810-349-7560	--	--	810-349-7560	0.00	0.00	0.00	0.00	0.00	0.00	0.00
810-349-7660	--	--	810-349-7660	0.00	0.00	0.00	0.00	0.00	0.00	0.00
810-349-7670	--	--	810-349-7670	0.00	0.00	0.00	0.00	0.00	0.00	0.00
810-349-7820	--	--	810-349-7820	0.00	0.00	0.00	0.00	0.00	0.00	0.00
810-349-7840	--	--	810-349-7840	0.00	0.00	0.00	0.00	0.00	0.00	0.00
810-349-7850	--	--	810-349-7850	0.00	0.00	0.00	0.00	0.00	0.00	0.00
350-8265	--	--	PM 2 RM	0.00	0.00	0.06	0.00	0.00	0.00	0.00
LPP-1 #24	--	--	PM 2 LEN	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PM1 WD	--	--	PM1 WD	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PM1 BH	--	--	PM1 BH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PM2 FRH	--	--	PM2 FRH	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13007	--	--	13007	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13008	--	--	13008	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13009	--	--	13009	0.00	0.00	0.00	0.00	0.00	0.00	0.00

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

Facility ID	EP	EP Description	EU	EU Description	CE	SCC No.	Temperature	acfm	scfm	hr/yr	Capacity	Units
13010	--	--	13010	North Warehouse Air Turnover Unit	--	--	--	--	--	8,760	0.69	MMBtu/hr
13011	--	--	13011	Overhead Walkway Roof Top Unit #1	--	--	--	--	--	8,760	0.24	MMBtu/hr
13012	--	--	13012	Overhead Walkway Roof Top Unit #2	--	--	--	--	--	8,760	0.24	MMBtu/hr
13013	--	--	13013	Overhead Walkway Roof Top Unit #3	--	--	--	--	--	8,760	0.24	MMBtu/hr
13014	--	--	13014	Overhead Walkway Roof Top Unit #4	--	--	--	--	--	8,760	0.24	MMBtu/hr
13015	--	--	13015	#2 Machine Clarifier	--	--	--	--	--	8,760	--	--
13016	--	--	13016	Effluent Clarifier	--	--	--	--	--	8,760	--	--
13017	SM#1 Eff Clar	--	13017	Small #1 Effluent Clarifier	--	--	--	--	--	8,760	--	--
13018	SM#2 Eff Clar	--	13018	Small #2 Effluent Clarifier	--	--	--	--	--	8,760	--	--
521-760-1415	--	--	521-760-1415	Busperse 2138 Storage	--	--	--	--	--	8,760	--	--
511-760-1840	--	--	511-760-1840	Maximyze 3504 Storage	--	--	--	--	--	8,760	--	--
510-760-5610	--	--	510-760-5610	Optimyze Plus 742 Storage	--	--	--	--	--	8,760	--	--

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				PM									PM10								
				Rule			PTE EF			Uncontrolled			Rule			PTE EF			Uncontrolled		
				EF	units	PM	EF	units	PM	EF	units	PM	EF	units	PM-10	EF	units	PM-10	EF	units	PM-10
Facility ID	**EP**	**EP Description**	**EU**			180.85			163.33			1558.74			172.70			155.18			947.90
13010	--	--	13010	--	--	--	35.7	lb/yr	0.01785	35.7	lb/yr	0.01785	--	--	--	35.7	lb/yr	0.01785	35.7	lb/yr	0.01785
13011	--	--	13011	--	--	--	13.2	lb/yr	0.0066	13.2	lb/yr	0.0066	--	--	--	13.2	lb/yr	0.0066	13.2	lb/yr	0.0066
13012	--	--	13012	--	--	--	13.2	lb/yr	0.0066	13.2	lb/yr	0.0066	--	--	--	13.2	lb/yr	0.0066	13.2	lb/yr	0.0066
13013	--	--	13013	--	--	--	13.2	lb/yr	0.0066	13.2	lb/yr	0.0066	--	--	--	13.2	lb/yr	0.0066	13.2	lb/yr	0.0066
13014	--	--	13014	--	--	--	13.2	lb/yr	0.0066	13.2	lb/yr	0.0066	--	--	--	13.2	lb/yr	0.0066	13.2	lb/yr	0.0066
13015	--	--	13015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13016	--	--	13016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13017	SM#1 Eff Clar	--	13017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13018	SM#2 Eff Clar	--	13018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-760-1415	--	--	521-760-1415	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
511-760-1840	--	--	511-760-1840	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
510-760-5610	--	--	510-760-5610	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				PM2.5									SOx								
				Rule			PTE EF			Uncontrolled			Rule			PTE EF			Uncontrolled		
				EF	units	PM-2.5	EF	units	PM-2.5	EF	units	PM-2.5	EF	units	SOx	EF	units	Sox	EF	units	Sox
Facility ID	**EP**	**EP Description**	**EU**			172.70			136.61			947.90			9.51			0.18			9.51
13010	--	--	13010	--	--	--	35.7	lb/yr	0.01785	35.7	lb/yr	0.01785	--	--	--	2.8	lb/yr	0.0014	2.8	lb/yr	0.0014
13011	--	--	13011	--	--	--	13.2	lb/yr	0.0066	13.2	lb/yr	0.0066	--	--	--	1	lb/yr	0.0005	1	lb/yr	0.0005
13012	--	--	13012	--	--	--	13.2	lb/yr	0.0066	13.2	lb/yr	0.0066	--	--	--	1	lb/yr	0.0005	1	lb/yr	0.0005
13013	--	--	13013	--	--	--	13.2	lb/yr	0.0066	13.2	lb/yr	0.0066	--	--	--	1	lb/yr	0.0005	1	lb/yr	0.0005
13014	--	--	13014	--	--	--	13.2	lb/yr	0.0066	13.2	lb/yr	0.0066	--	--	--	1		0.0005	1		0.0005
13015	--	--	13015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13016	--	--	13016	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13017	SM#1 Eff Clar	--	13017	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
13018	SM#2 Eff Clar	--	13018	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
521-760-1415	--	--	521-760-1415	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
511-760-1840	--	--	511-760-1840	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
510-760-5610	--	--	510-760-5610	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				NOx									VOC								
				Rule			PTE EF			Uncontrolled			Rule			PTE EF			Uncontrolled		
				EF	units	NOx	EF	units	NOx	EF	units	NOx	EF	units	VOC	EF	units	VOC	EF	units	VOC
Facility ID	**EP**	**EP Description**	**EU**			100.06			385.92			414.93			172.00			196.71			242.46
13010	--	--	13010	--	--	--	469.6	lb/yr	0.2348	469.6	lb/yr	0.2348	--	--	--	25.8	lb/yr	0.0129	25.8	lb/yr	0.01
13011	--	--	13011	--	--	--	174.2	lb/yr	0.0871	174.2	lb/yr	0.0871	--	--	--	9.6	lb/yr	0.0048	9.6	lb/yr	0.00
13012	--	--	13012	--	--	--	174.2	lb/yr	0.0871	174.2	lb/yr	0.0871	--	--	--	9.6	lb/yr	0.0048	9.6	lb/yr	0.00
13013	--	--	13013	--	--	--	174.2	lb/yr	0.0871	174.2	lb/yr	0.0871	--	--	--	9.6	lb/yr	0.0048	9.6	lb/yr	0.00
13014	--	--	13014	--	--	--	174.2	lb/yr	0.0871	174.2	lb/yr	0.0871	--	--	--	9.6	lb/yr	0.0048	9.6	lb/yr	0.00
13015	--	--	13015	--	--	--	--	--	--	--	--	--	--	--	--	572	lb/yr	0.286	572	lb/yr	0.29
13016	--	--	13016	--	--	--	--	--	--	--	--	--	--	--	--	572	lb/yr	0.286	572	lb/yr	0.29
13017	SM#1 Eff Clar	--	13017	--	--	--	--	--	--	--	--	--	--	--	--	264	lb/yr	0.132	264	lb/yr	0.13
13018	SM#2 Eff Clar	--	13018	--	--	--	--	--	--	--	--	--	--	--	--	264	lb/yr	0.132	264	lb/yr	0.13
521-760-1415	--	--	521-760-1415	--	--	--	--	--	--	--	--	--	--	--	--	212.4	lb/yr	0.1062	212.4	lb/yr	0.11
511-760-1840	--	--	511-760-1840	--	--	--	--	--	--	--	--	--	--	--	--	1.8	lb/yr	0.0009	1.8	lb/yr	0.00
510-760-5610	--	--	510-760-5610	--	--	--	--	--	--	--	--	--	--	--	--	1.8	lb/yr	0.0009	1.8	lb/yr	0.00

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill				CO											Acetaldehyde	1,3 Butadiene	Biphenyl	Bromoform
EIQ# 92-9025				Rule			PTE EF			Uncontrolled								
Facility# 57-01-153				EF	units	CO	EF	units	CO	EF	units	CO	Lead	HAP totals	Max SHAP	75-07-0	106-99-0	92-52-4	75-25-2
Facility ID	EP	EP Description	EU			99.45			114.23			114.46	0.02	102.16	47.22	9.54	0.00	3.06	1.31
13010	--	--	13010	--	--	--	394.5	lb/yr	0.19725	394.5	lb/yr	0.19725	--	0.0044	0.0053	--	--	--	--
13011	--	--	13011	--	--	--	146.3	lb/yr	0.07315	146.3	lb/yr	0.07315	--	0.00165	0.0019	--	--	--	--
13012	--	--	13012	--	--	--	146.3	lb/yr	0.07315	146.3	lb/yr	0.07315	--	0.00165	0.0019	--	--	--	--
13013	--	--	13013	--	--	--	146.3	lb/yr	0.07315	146.3	lb/yr	0.07315	--	0.00165	0.0019	--	--	--	--
13014	--	--	13014	--	--	--	146.3	lb/yr	0.07315	146.3	lb/yr	0.07315	--	0.00165	0.0019	--	--	--	--
13015	--	--	13015	--	--	--	--	--	--	--	--	--	--	0.286	--	--	--	--	--
13016	--	--	13016	--	--	--	--	--	--	--	--	--	--	0.286	--	--	--	--	--
13017	SM#1 Eff Clar	--	13017	--	--	--	--	--	--	--	--	--	--	0.132	--	--	--	--	--
13018	SM#2 Eff Clar	--	13018	--	--	--	--	--	--	--	--	--	--	0.132	--	--	--	--	--
521-760-1415	--	--	521-760-1415	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
511-760-1840	--	--	511-760-1840	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
510-760-5610	--	--	510-760-5610	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				Carbon disulfide	Formaldehyde	Methanol	Bromomethane	Chloromethane	Ethylene Glycol	Methylene Chloride	1,1,2-Trichloroethane	Naphthalene	Phenol
				75-15-0	50-00-0	67-56-1	74-83-9	74-87-3	107-21-1	75-09-2	71-55-6	91203	108-95-2
Facility ID	**EP**	**EP Description**	**EU**	1.75	8.00	29.51	0.14	0.29	8.93	5.32	0.18	0.45	2.58
13010	--	--	13010	--	0.00	--	--	--	--	--	--	0.00	--
13011	--	--	13011	--	0.00	--	--	--	--	--	--	0.00	--
13012	--	--	13012	--	0.00	--	--	--	--	--	--	0.00	--
13013	--	--	13013	--	0.00	--	--	--	--	--	--	0.00	--
13014	--	--	13014	--	0.00	--	--	--	--	--	--	0.00	--
13015	--	--	13015	--	--	--	--	--	--	--	--	--	--
13016	--	--	13016	--	--	--	--	--	--	--	--	--	--
13017	SM#1 Eff Clar	--	13017	--	--	--	--	--	--	--	--	--	--
13018	SM#2 Eff Clar	--	13018	--	--	--	--	--	--	--	--	--	--
521-760-1415	--	--	521-760-1415	--	--	--	--	--	--	--	--	--	--
511-760-1840	--	--	511-760-1840	--	--	--	--	--	--	--	--	--	--
510-760-5610	--	--	510-760-5610	--	--	--	--	--	--	--	--	--	--

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill				Propionaldehyde	Toluene	Vinyl acetate	Xylene, mixed isomers	Ethylene Oxide	Propylene Oxide	Acrylamide	Acrolein	Arsenic	Benzene	Beryllium	Cadmium
EIQ# 92-9025															
Facility# 57-01-153				123-38-6	108-88-3	108-05-4	1330-20-7	75-21-8	75-56-9	79-06-1	107-02-8	7440-38-2	71-43-2	7440-41-7	7440-43-9
Facility ID	**EP**	**EP Description**	**EU**	2.61	8.50	11.66	1.50	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
13010	--	--	13010	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
13011	--	--	13011	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
13012	--	--	13012	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
13013	--	--	13013	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
13014	--	--	13014	--	0.00	--	--	--	--	--	--	0.00	0.00	0.00	0.00
13015	--	--	13015	--	--	--	--	--	--	--	--	--	--	--	--
13016	--	--	13016	--	--	--	--	--	--	--	--	--	--	--	--
13017	SM#1 Eff Clar	--	13017	--	--	--	--	--	--	--	--	--	--	--	--
13018	SM#2 Eff Clar	--	13018	--	--	--	--	--	--	--	--	--	--	--	--
521-760-1415	--	--	521-760-1415	--	--	--	--	--	--	--	--	--	--	--	--
511-760-1840	--	--	511-760-1840	--	--	--	--	--	--	--	--	--	--	--	--
510-760-5610	--	--	510-760-5610	--	--	--	--	--	--	--	--	--	--	--	--

PTE-RULE,EF,UNCONTROLLED

International Paper Cedar River Mill

EIQ# 92-9025

Facility# 57-01-153

				Chromium (VI)	Cobalt	Hexane	Manganese	Mercury	Nickel	Selenium
				18540-29-9	7440-48-4	110-54-3	7439-96-5	7439-97-6	7440-02-0	7782-49-2
Facility ID	**EP**	**EP Description**	**EU**	0.01	0.00	6.80	0.00	0.00	0.01	0.00
13010	--	--	13010	0.00	0.00	0.01	0.00	0.00	0.00	0.00
13011	--	--	13011	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13012	--	--	13012	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13013	--	--	13013	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13014	--	--	13014	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13015	--	--	13015	--	--	--	--	--	--	--
13016	--	--	13016	--	--	--	--	--	--	--
13017	SM#1 Eff Clar	--	13017	--	--	--	--	--	--	--
13018	SM#2 Eff Clar	--	13018	--	--	--	--	--	--	--
521-760-1415	--	--	521-760-1415	--	--	--	--	--	--	--
511-760-1840	--	--	511-760-1840	--	--	--	--	--	--	--
510-760-5610	--	--	510-760-5610	--	--	--	--	--	--	--

International Paper Cedar River Mill
EIQ# 92-9025
Facility# 57-01-153

Pollutant	Reported PTE (tpy)	Calculated PTE (tpy)
Acetaldehyde	9.53	9.54
1,3 Butadiene	0.00	0.00
Biphenyl	3.05	3.06
Bromoform	1.31	1.31
Carbon disulfide	1.74	1.75
Formaldehyde	7.96	8.00
Methanol	29.43	29.51
Bromomethane	0.14	0.14
Chloromethane	0.29	0.29
Ethylene Glycol	8.93	8.93
Methylene Chloride	5.32	5.32
1,1,1-Trichloroethane	0.18	0.18
Naphthalene	0.45	0.45
Phenol	2.57	2.58
Propionaldehyde	2.60	2.61
Toluene	8.44	8.50
Vinyl acetate	11.62	11.66
Xylene, mixed isomers	3.00	1.50
Ethylene Oxide	--	0.00
Propylene Oxide	--	0.00
Acrylamide	--	0.00
Acrolein	0.00	0.00
Arsenic	--	0.00
Benzene	0.00	0.01
Beryllium	--	0.00
Cadmium	--	0.00
Chromium (VI)	--	0.01
Cobalt	--	0.00
Hexane	--	6.80
Manganese	--	0.00
Mercury	--	0.00
Nickel	--	0.01
Selenium	--	0.00

International Paper Cedar River Mill
EIQ# 92-9025
Facility# 57-01-153

EP ID	EU ID	EU Description	$PM_{2.5}$ (tpy) 28.97	PM_{10} (tpy) 33.02	PM (tpy) 33.02	SO_2 (tpy) 0.03	NO_X (tpy) 1.81	VOC (tpy) 125.60	CO (tpy) 1.31	Lead (tpy) 0.00	Acetaldenyde (tpy) 5.99	Benzene (tpy) 0.00	Biphenyl (tpy) 1.92	Bromoform (tpy) 0.82	Carbon Disulfide (tpy) 1.10
90	90	Sump Pump Engine	0.01	0.01	0.01	0.01	0.15	0.01	0.03	--	0.00	0.00	--	--	--
91	91	Fire Pump Engine	0.00	0.00	0.00	0.00	0.04	0.00	0.01	--	0.00	0.00	--	--	--
92	92	Sump Pump Generator	0.01	0.01	0.01	0.01	0.15	0.01	0.03	--	0.00	0.00	--	--	--
	100-1	PM #1 Chemical Usage	--	--	--	--	--	18.29	--	--	--	--	--	--	--
	100-2	PM #1 Paper Making	12.05	13.93	13.93	--	--	35.68	--	--	2.59	--	0.80	0.38	0.41
	200-1	PM #2 Chemical Usage	--	--	--	--	--	24.25	--	--	--	--	--	--	--
	200-2	PM #2 Paper Making	13.90	16.07	16.07	--	--	42.03	--	--	3.06	--	0.94	0.45	0.48
300	300	Cationic Starch Silo	0.00	0.00	0.00	--	--	--	--	--	--	--	--	--	--
301	301	Starch Storage	0.00	0.00	0.00	--	--	--	--	--	--	--	--	--	--
401	401	PM #1 Water Cooling Tower	0.11	0.11	0.11	--	--	--	--	--	--	--	--	--	--
402	402	PM #1 Vacuum Cooling Tower	0.86	0.86	0.86	--	--	--	--	--	--	--	--	--	--
403	403	PM #2 Water Cooling Tower	0.17	0.17	0.17	--	--	--	--	--	--	--	--	--	--
404	404	PM #2 Vacuum Cooling Tower	1.75	1.75	1.75	--	--	--	--	--	--	--	--	--	--
501	501	PM #1 High Density Storage	--	--	--	--	--	--	--	--	--	--	--	--	--
502	502	PM #2 Bottom Sheet High Density Storage	--	--	--	--	--	--	--	--	--	--	--	--	--
503	503	PM #2 Top Sheet High Density Storage	--	--	--	--	--	--	--	--	--	--	--	--	--
	AMU7	Air Make Up Unit #7 - Mill 2	0.03	0.03	0.03	0.00	0.35	0.02	0.30	0.00	--	--	--	--	--
	AMU10	Air Make Up Unit #10 - Mill 2	0.03	0.03	0.03	0.00	0.38	0.02	0.32	0.00	--	--	--	--	--
	100Pulper	PM #1 - Pulper	--	--	--	--	--	2.42	--	--	0.15	--	0.08	--	0.09
	200Pulper	PM #2 - Pulper	--	--	--	--	--	2.84	--	--	0.18	--	0.10	--	0.11
	356-350-3250	Pulper Building AMU #1	0.02	0.03	0.03	0.00	0.37	0.02	0.31	0.00	--	--	--	--	--
	356-350-3255	Pulper Building AMU #2	0.03	0.03	0.03	0.00	0.37	0.02	0.31	0.00	--	--	--	--	--

International Paper Cedar River Mill
EIQ# 92-9025
Facility# 57-01-153

EP ID	EU ID	EU Description	Formaldehyde (tpy) 4.77	Glycol Ethers (tpy) 16.90	Hexane (tpy) 0.03	Methanol (tpy) 18.59	Methyl Bromide (tpy) 0.09	Methyl Chloride (tpy) 0.18	Methyl Chloroform (tpy) 0.11	Methylene Chloride (tpy) 1.57	Naphthalene (tpy) 0.43
90	90	Sump Pump Engine	0.00	--	--	--	--	--	--	--	--
91	91	Fire Pump Engine	0.00	--	--	--	--	--	--	--	--
92	92	Sump Pump Generator	0.00	--	--	--	--	--	--	--	--
	100-1	PM #1 Chemical Usage	--	8.77	--	0.17	--	--	--	--	0.04
	100-2	PM #1 Paper Making	2.16	--	--	8.06	0.04	0.08	0.05	0.67	0.00
	200-1	PM #2 Chemical Usage	--	8.13	--	0.16	--	--	--	--	0.04
	200-2	PM #2 Paper Making	2.54	--	--	9.49	0.05	0.10	0.06	0.79	0.00
300	300	Cationic Starch Silo	--	--	--	--	--	--	--	--	--
301	301	Starch Storage	--	--	--	--	--	--	--	--	--
401	401	PM #1 Water Cooling Tower	--	--	--	--	--	--	--	--	--
402	402	PM #1 Vacuum Cooling Tower	--	--	--	--	--	--	--	--	--
403	403	PM #2 Water Cooling Tower	--	--	--	--	--	--	--	--	--
404	404	PM #2 Vacuum Cooling Tower	--	--	--	--	--	--	--	--	--
501	501	PM #1 High Density Storage	--	--	--	--	--	--	--	--	--
502	502	PM #2 Bottom Sheet High Density Storage	--	--	--	--	--	--	--	--	--
503	503	PM #2 Top Sheet High Density Storage	--	--	--	--	--	--	--	--	--
	AMU7	Air Make Up Unit #7 - Mill 2	0.00	--	0.01	--	--	--	--	--	--
	AMU10	Air Make Up Unit #10 - Mill 2	0.00	--	0.01	--	--	--	--	--	--
	100Pulper	PM #1 - Pulper	0.03	--	--	0.33	--	--	--	0.05	0.16
	200Pulper	PM #2 - Pulper	0.04	--	--	0.39	--	--	--	0.06	0.19
	356-350-3250	Pulper Building AMU #1	0.00	--	0.01	--	--	--	--	--	--
	356-350-3255	Pulper Building AMU #2	0.00	--	0.01	--	--	--	--	--	--

International Paper Cedar River Mill
EIQ# 92-9025
Facility# 57-01-153

EP ID	EU ID	EU Description	Phenol (tpy) 1.65	Propionaldehyde (tpy) 1.49	Toluene (tpy) 5.32	Vinyl Acetate (tpy) 7.28	m-Xylene (tpy) 0.94
90	90	Sump Pump Engine	--	--	--	--	--
91	91	Fire Pump Engine	--	--	--	--	--
92	92	Sump Pump Generator	--	--	--	--	--
	100-1	PM #1 Chemical Usage	--	--	--	--	--
	100-2	PM #1 Paper Making	0.69	0.65	2.38	3.35	0.43
	200-1	PM #2 Chemical Usage	--	--	--	--	--
	200-2	PM #2 Paper Making	0.81	0.76	2.79	3.94	0.51
300	300	Cationic Starch Silo	--	--	--	--	--
301	301	Starch Storage	--	--	--	--	--
401	401	PM #1 Water Cooling Tower	--	--	--	--	--
402	402	PM #1 Vacuum Cooling Tower	--	--	--	--	--
403	403	PM #2 Water Cooling Tower	--	--	--	--	--
404	404	PM #2 Vacuum Cooling Tower	--	--	--	--	--
501	501	PM #1 High Density Storage	--	--	--	--	--
502	502	PM #2 Bottom Sheet High Density Storage	--	--	--	--	--
503	503	PM #2 Top Sheet High Density Storage	--	--	--	--	--
	AMU7	Air Make Up Unit #7 - Mill 2	--	--	--	--	--
	AMU10	Air Make Up Unit #10 - Mill 2	--	--	--	--	--
	100Pulper	PM #1 - Pulper	0.07	0.03	0.07	--	--
	200Pulper	PM #2 - Pulper	0.08	0.04	0.08	--	--
	356-350-3250	Pulper Building AMU #1	--	--	--	--	--
	356-350-3255	Pulper Building AMU #2	--	--	--	--	--

Note: The emission factors which were used to calculate VOC and HAP emissions from the paper making process were developed by All4 Inc. which is a nationwide consulting group based out of Kimberton, PA with extensive experience in the pulp and paper industry. They used NCASI Technical Bulletin Number 737 and Number 740 to develop the emission factors.

Paper Machine #1 (EPs 105-133)	Capacity	75.33	SWT/hour	10%	Moisture Content of Final Product
Paper Machine #2 (EPs 204-248)	Capacity	93.96	SWT/hour	7.70%	Moisture Content of Final Product
Paper Machine #1 Pulper (EP104)	Capacity	76.88	SWT/hour	10%	= ADTFP Moisture Content
Paper Machine #2 Pulper (EPs 249-251)	Capacity	88.13	SWT/hour	0%	= ODTP Moisture Content
			where SWT = Scale Weight Tons		

Paper Machines	acetaldehyde	biphenyl	carbon disulfide	methanol	naphthalene	phenol	propionaldehyde	formaldehyde	toluene	bromoform	methyl bromide	methyl chloride	vinyl acetate	m-xylene	p-xylene	methylene chloride	methyl chloroform	**Total HAP**	**Total VOC**	**Largest Single HAP**
NCASI Emission Factor (lb/ADTFP)	1.20E-02	3.70E-03	1.90E-03	3.73E-02	1.10E-05	3.20E-03	3.00E-03	1.00E-02	1.10E-02	1.75E-03	1.90E-04	3.90E-04	1.55E-02	2.00E-03	0.00E+00	3.10E-03	2.40E-04	1.05E-01	1.65E-01	3.73E-02
Paper Machine #1 (EPs 105-133)																		Paper Machine #1		
Moisture content of Final Product	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	
Adjusted Emission Factor from ADTFP to SWT	1.20E-02	3.70E-03	1.90E-03	3.73E-02	1.10E-05	3.20E-03	3.00E-03	1.00E-02	1.10E-02	1.75E-03	1.90E-04	3.90E-04	1.55E-02	2.00E-03	0.00E+00	3.10E-03	2.40E-04	1.05E-01	1.652E-01	
Paper Machine 1 Total (lb/hr) HAP & VOC	0.90	0.28	0.14	2.81	0.00	0.24	0.23	0.75	0.83	0.13	0.01	0.03	1.17	0.15	0.00	0.23	0.02	7.93	12.44	
Paper Macine 1 Total (tpy) HAP & VOC	3.96	1.22	0.63	12.31	0.00	1.06	0.99	3.30	3.63	0.58	0.06	0.13	5.11	0.66	0.00	1.02	0.08	**34.74**	**54.51**	**12.31**
Paper Machine #2 (EPs 204-248)																		Paper Machine #2		
Moisture content of Final Product	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%	7.70%	
Adjusted Emission Factor from ADTFP to SWT	1.23E-02	3.79E-03	1.95E-03	3.83E-02	1.13E-05	3.28E-03	3.08E-03	1.03E-02	1.13E-02	1.79E-03	1.95E-04	4.00E-04	1.59E-02	2.05E-03	0.00E+00	3.18E-03	2.46E-04	1.08E-01	1.69E-01	
Paper Machine 2 Total (lb/hr) (HAP) & VOC	1.16	0.36	0.18	3.59	0.00	0.31	0.29	0.96	1.06	0.17	0.02	0.04	1.49	0.19	0.00	0.30	0.02	10.14	15.92	
Paper Machine 2 Total (TPY) (HAP) & VOC	5.06	1.56	0.80	15.74	0.00	1.35	1.27	4.22	4.64	0.74	0.08	0.16	6.54	0.84	0.00	1.31	0.10	**44.43**	**69.72**	**15.74**

Pulpers																				
NCASI Emission Factor (lb/ODTP)	7.80E-04	4.20E-04	4.80E-04	1.70E-03	8.20E-04	3.40E-04	1.90E-04	1.70E-04	3.70E-04	--	--	--	--	--	--	2.60E-04			0.0124	
Paper Machine #1 - Pulper (EP104)	acetaldehyde	biphenyl	carbon disulfide	methanol	naphthalene	phenol	propionaldehyde	formaldehyde	toluene	bromoform	methyl bromide	methyl chloride	vinyl acetate	m-xylene	p-xylene	methylene chloride	methyl chloroform	Total HAP	Total VOC	Largest Single HAP
Adjusted Emission Factor ODTP to SWT	7.02E-04	3.78E-04	4.32E-04	1.53E-03	7.38E-04	3.06E-04	1.71E-04	1.53E-04	3.33E-04	--	--	--	--	--	--	2.34E-04			1.12E-02	
																		Pulper - Paper Machine #1		
EP104 (lb/hr)	0.05	0.03	0.03	0.12	0.06	0.02	0.01	0.01	0.03	--	--	--	--	--	--	0.02	0.00	3.83E-01	0.86	
EP104 (TPY)	0.24	0.13	0.15	0.52	0.25	0.10	0.06	0.05	0.11	--	--	--	--	--	--	0.08	0.00	**1.68**	**3.76**	**0.52**
Paper Machine #2 - Pulper (EPs 249-251)																				
Adjusted Emission Factor ODTP to SWT	7.20E-04	3.88E-04	4.43E-04	1.57E-03	7.57E-04	3.14E-04	1.75E-04	1.57E-04	3.42E-04	--	--	--	--	--	--	2.40E-04	0.00E+00	5.10E-03	1.14E-02	
																		Pulper - Paper Machine #2		
EPs249-251 (lb/hr)	0.06	0.03	0.04	0.14	0.07	0.03	0.02	0.01	0.03	--	--	--	--	--	--	0.02	0.00	0.45	1.01	
EPs 249-251 (TPY)	0.28	0.15	0.17	0.61	0.29	0.12	0.07	0.06	0.13	--	--	--	--	--	--	0.09	0.00	**1.97**	**4.42**	**0.61**

Addititves (PTE is based on 125% of 2024 Usage Totals reported in EIQ)

Chemical	VOC lb/lb Chemical	Chemical lbs/yr	Chemical lb/hr	VOC lb/hr	VOC tpy
Paper Machine 1 VOC(due to additives) (TPY)					
Busan 1009	74%	36,254	4.14	3.06	13.41
Optimyze Plus 742	0.1%	388,145	44.31	0.04	0.19
Busperse 2138	12%	111,576	12.74	1.53	6.69
Burbreak 456	0.001%	107,630	12.29	0.00	0.00
Bufloc 594	22%	23,009	2.63	0.58	2.53
Maximyze 3504	0.1%	45,956	5.25	0.01	0.02
			Total	5.22	**22.86**
Paper Machine 2 VOC(due to additives)(TPY)					
Busan 1009	74%	33,586	3.83	2.84	12.43
Optimyze Plus 742	0.1%	1,755	0.20	0.00	0.00
Busperse 2138	12%	51,175	5.84	0.70	3.07
Burbreak 456	0.001%	278,125	31.75	0.00	0.00
Bufloc 594	22%	2,013	0.23	0.05	0.22
Maximyze 3504	0.1%	1,299,971	148.40	0.15	0.65
			Total	3.74	**16.37**

Paper Machine 1 & 2 HAP (due to additives)(TPY)	HAP $\%_{W}$ Chemical	Chemical lbs/yr	Chemical lb/hr	HAP lb/hr	HAP tpy
Busan 1009 - methanol	1.16%	69,840	8.0	0.09	0.41
Busan 1009 - naphthalene	0.27%	69,840	8.0	0.02	0.09
			Total	0.11	**0.50**

Chemical additives with No HAP
- Optimize 742
- Busperse 2138
- Burbreak 456
- Bufloc 594
- Maximyze 3504

Paper Machine PM PM10 PM2.5

						Total PM = Condensible + Filterable X Safety Factor						Total PM_{10} = Condensible + Filterable X Safety Factor						Total $PM_{2.5}$ = Condensible + Filterable X Safety Factor					
EP ID	Airflow (acfm)	Temp (°F)	Moisture (%)	Airflow (dscfm)	Safety Factor	PM						PM_{10}						$PM_{2.5}$					
						Cond.	Filt.	Total (Actual)		Total (Safety)	Permit Limit	Cond.	Filt.	Total (Actual)		Total (Safety)	Permit Limit	Cond.	Filt.	Total (Actual)		Total (Safety)	Permit Limit
						(gr/dscf)	(gr/dscf)	(gr/dscf)	(lb/hr)	(gr/dscf)	(lb/hr)	(gr/dscf)	(gr/dscf)	(gr/dscf)	(lb/hr)	(gr/dscf)	(lb/hr)	(gr/dscf)	(gr/dscf)	(gr/dscf)	(lb/hr)	(gr/dscf)	(lb/hr)
104	45,000	68	0	45,000	1.25	0.00023	0.00026	0.00049	0.18900	0.0006125	0.24	0.00023	0.00019	0.00042	0.16200	0.000525	0.21	0.00023	0.00007	0.00030	0.11571	0.000375	0.15
105	45,000	103	19.2	34,100	1.25	0.00020	0.00035	0.00055	0.16076	0.0006875	0.20	0.00020	0.00035	0.00055	0.16076	0.0006875	0.20	0.00020	0.00035	0.00055	0.16076	0.0006875	0.20
106	60,000	68	0	60,000	1.25	0.00023	0.00026	0.00049	0.25200	0.0006125	0.32	0.00023	0.00019	0.00042	0.21600	0.000525	0.27	0.00023	0.00007	0.00030	0.15429	0.000375	0.20
107	60,000	68	0	60,000	1.25	0.00023	0.00026	0.00049	0.25200	0.0006125	0.32	0.00023	0.00019	0.00042	0.21600	0.000525	0.27	0.00023	0.00007	0.00030	0.15429	0.000375	0.20
108	60,000	68	0	60,000	1.25	0.00023	0.00026	0.00049	0.25200	0.0006125	0.32	0.00023	0.00019	0.00042	0.21600	0.000525	0.27	0.00023	0.00007	0.00030	0.15429	0.000375	0.20
109	60,000	68	0	60,000	1.25	0.00023	0.00026	0.00049	0.25200	0.0006125	0.32	0.00023	0.00019	0.00042	0.21600	0.000725	0.27	0.00023	0.00007	0.00030	0.15429	0.000725	0.20
110	60,000	120	11.5	48,339	1.25	0.00020	0.00035	0.00055	0.22789	0.0006875	0.28	0.00020	0.00035	0.00055	0.22789	0.0004875	0.28	0.00020	0.00035	0.00055	0.22789	0.0003375	0.28
111	60,000	68	0	60,000	1.25	0.00023	0.00026	0.00049	0.25200	0.0006125	0.32	0.00023	0.00019	0.00042	0.21600	0.000525	0.27	0.00023	0.00007	0.00030	0.15429	0.000375	0.20
112	60,000	95	11.5	50,517	1.25	0.00023	0.00026	0.00049	0.21217	0.0006125	0.27	0.00023	0.00019	0.00042	0.18186	0.000525	0.23	0.00023	0.00007	0.00030	0.12990	0.000375	0.16
113	60,000	95	11.5	50,517	1.25	0.00023	0.00026	0.00049	0.21217	0.0006125	0.27	0.00023	0.00019	0.00042	0.18186	0.000525	0.23	0.00023	0.00007	0.00030	0.12990	0.000375	0.16
114	60,000	95	11.5	50,517	1.25	0.00023	0.00026	0.00049	0.21217	0.0006125	0.27	0.00023	0.00019	0.00042	0.18186	0.000525	0.23	0.00023	0.00007	0.00030	0.12990	0.000375	0.16
115	60,000	95	11.5	50,517	1.25	0.00023	0.00026	0.00049	0.21217	0.0006125	0.27	0.00023	0.00019	0.00042	0.18186	0.000525	0.23	0.00023	0.00007	0.00030	0.12990	0.000375	0.16
116	60,000	95	11.5	50,517	1.25	0.00023	0.00026	0.00049	0.21217	0.0006125	0.27	0.00023	0.00019	0.00042	0.18186	0.0004625	0.23	0.00023	0.00007	0.00030	0.12990	0.0004	0.16
117	24,000	170	15.76	16,944	1.25	0.00042	0.00031	0.00073	0.10602	0.0009125	0.13	0.00042	0.00014	0.00056	0.08133	0.0007	0.10	0.00042	0.00009	0.00051	0.07407	0.0006375	0.09
118	60,000	190	15.76	41,057	1.25	0.00042	0.00031	0.00073	0.25690	0.0009125	0.32	0.00042	0.00014	0.00056	0.19707	0.0007	0.25	0.00042	0.00009	0.00051	0.17948	0.0006375	0.22
119	24,600	190	15.76	16,833	1.25	0.00042	0.00031	0.00073	0.10533	0.0009125	0.13	0.00042	0.00014	0.00056	0.08080	0.0007	0.10	0.00042	0.00009	0.00051	0.07359	0.0006375	0.09
120	60,000	90	15.76	48,522	1.25	0.00042	0.00031	0.00073	0.30361	0.0009125	0.38	0.00042	0.00014	0.00056	0.23291	0.0007	0.29	0.00042	0.00009	0.00051	0.21211	0.0006375	0.27
121	60,000	150	15.76	43,750	1.25	0.00042	0.00031	0.00073	0.27375	0.0009125	0.34	0.00042	0.00014	0.00056	0.21000	0.0007	0.26	0.00042	0.00009	0.00051	0.19125	0.0006375	0.24
122	42,600	130	18.37	31,120	1.25	0.00097	0.00016	0.00113	0.30142	0.0014125	0.38	0.00097	0.00014	0.00111	0.29609	0.0013875	0.37	0.00097	0.00009	0.00106	0.28275	0.001325	0.35
123	60,000	130	18.37	43,831	1.25	0.00097	0.00016	0.00113	0.42454	0.0014125	0.53	0.00097	0.00014	0.00111	0.41702	0.0013625	0.52	0.00097	0.00009	0.00106	0.39824	0.001325	0.50
124	30,400	180	15.5	21,193	1.25	0.00116	0.00017	0.00133	0.24160	0.0016625	0.30	0.00116	0.00012	0.00128	0.23251	0.0018875	0.29	0.00116	0.00009	0.00125	0.22706	0.0018875	0.28
131	145,954	122	0	132,412	1.25	0.00020	0.00035	0.00055	0.62423	0.0006875	0.78	0.00020	0.00035	0.00055	0.62423	0.0006875	0.78	0.00020	0.00035	0.00055	0.62423	0.0006875	0.78
132	2,900	140	0	2,552	1.25	0.00023	0.00026	0.00049	0.01072	0.0006125	0.01	0.00023	0.00019	0.00042	0.00919	0.000525	0.01	0.00023	0.00007	0.00030	0.00656	0.000375	0.01
133	2,900	140	0	2,552	1.25	0.00023	0.00026	0.00049	0.01072	0.0006125	0.01	0.00023	0.00019	0.00042	0.00919	0.000525	0.01	0.00023	0.00007	0.00030	0.00656	0.000375	0.01
204	3,500	130	3.5	3,023	1.25	0.00023	0.00026	0.00049	0.01269	0.0006125	0.02	0.00023	0.00019	0.00042	0.01088	0.000525	0.01	0.00023	0.00007	0.00030	0.00777	0.000375	0.01
206	3,500	140	3.5	2,972	1.25	0.00023	0.00026	0.00049	0.01248	0.0006125	0.02	0.00023	0.00019	0.00042	0.01070	0.000525	0.01	0.00023	0.00007	0.00030	0.00764	0.000375	0.01
208	75,000	110	19.2	56,135	1.25	0.00020	0.00035	0.00055	0.26464	0.0006875	0.33	0.00020	0.00035	0.00055	0.26464	0.0006875	0.33	0.00020	0.00035	0.00055	0.26464	0.0006875	0.33
209	60,000	68	0	60,000	1.25	0.00023	0.00026	0.00049	0.25200	0.0006125	0.32	0.00023	0.00019	0.00042	0.21600	0.000525	0.27	0.00023	0.00007	0.00030	0.15429	0.000375	0.19
210	60,000	68	0	60,000	1.25	0.00023	0.00026	0.00049	0.25200	0.0006125	0.32	0.00023	0.00019	0.00042	0.21600	0.000525	0.27	0.00023	0.00007	0.00030	0.15429	0.000375	0.19
211	60,000	68	0	60,000	1.25	0.00023	0.00026	0.00049	0.25200	0.0006125	0.32	0.00023	0.00019	0.00042	0.21600	0.000525	0.27	0.00023	0.00007	0.00030	0.15429	0.000375	0.19
212	60,000	68	0	60,000	1.25	0.00023	0.00026	0.00049	0.25200	0.0006125	0.32	0.00023	0.00019	0.00042	0.21600	0.000525	0.27	0.00023	0.00007	0.00030	0.15429	0.000375	0.19
213	60,000	68	0	60,000	1.25	0.00023	0.00026	0.00049	0.25200	0.0006125	0.32	0.00023	0.00019	0.00042	0.21600	0.000525	0.27	0.00023	0.00007	0.00030	0.15429	0.000375	0.19
214	60,000	110	11.5	49,187	1.25	0.00023	0.00026	0.00049	0.20659	0.0006125	0.26	0.00023	0.00019	0.00042	0.17707	0.000525	0.22	0.00023	0.00007	0.00030	0.12648	0.000375	0.16
215	32,000	130	11.5	25,344	1.25	0.00023	0.00026	0.00049	0.10644	0.0006125	0.13	0.00023	0.00019	0.00042	0.09124	0.000525	0.11	0.00023	0.00007	0.00030	0.06517	0.000375	0.08
216	60,000	95	11.5	50,517	1.25	0.00020	0.00035	0.00055	0.23815	0.0006875	0.30	0.00020	0.00035	0.00055	0.23815	0.0006875	0.30	0.00020	0.00035	0.00055	0.23815	0.0006875	0.30
217	60,000	95	11.5	50,517	1.25	0.00023	0.00026	0.00049	0.21217	0.0006125	0.27	0.00023	0.00019	0.00042	0.18186	0.000525	0.23	0.00023	0.00007	0.00030	0.12990	0.000375	0.16
218	60,000	95	11.5	50,517	1.25	0.00023	0.00026	0.00049	0.21217	0.0006125	0.27	0.00023	0.00019	0.00042	0.18186	0.000525	0.23	0.00023	0.0007	0.00093	0.40269	0.0011625	0.50
219	60,000	95	11.5	50,517	1.25	0.00023	0.00026	0.00049	0.21217	0.0006125	0.27	0.00023	0.00019	0.00042	0.18186	0.000525	0.23	0.00023	0.00007	0.00030	0.12990	0.000375	0.16
220	60,000	110	11.5	49,187	1.25	0.00023	0.00026	0.00049	0.20659	0.0006125	0.26	0.00023	0.00019	0.00042	0.17707	0.000525	0.22	0.00023	0.00007	0.00030	0.12648	0.000375	0.16
221	45,000	51	11.5	41,150	1.25	0.00023	0.00026	0.00049	0.17283	0.0006125	0.08	0.00023	0.00019	0.00042	0.14814	0.000525	0.07	0.00023	0.00007	0.00030	0.10581	0.000375	0.05
222	24,300	160	15.76	17,433	1.25	0.00042	0.00031	0.00073	0.10908	0.0009125	0.14	0.00042	0.00014	0.00056	0.08368	0.0007	0.10	0.00042	0.00009	0.00051	0.07621	0.0006375	0.10
223	68,700	230	15.76	44,285	1.25	0.00042	0.00031	0.00073	0.27710	0.0009125	0.35	0.00042	0.00014	0.00056	0.21257	0.0007	0.27	0.00042	0.00009	0.00051	0.19359	0.0006375	0.24
224	60,000	120	15.76	46,012	1.25	0.00042	0.00031	0.00073	0.28791	0.0009125	0.36	0.00042	0.00014	0.00056	0.22086	0.0007	0.28	0.00042	0.00009	0.00051	0.20114	0.0006375	0.25
225	68,700	200	15.76	46,298	1.25	0.00042	0.00031	0.00073	0.28970	0.0009125	0.36	0.00042	0.00014	0.00056	0.22223	0.0007	0.28	0.00042	0.00009	0.00051	0.20239	0.0006375	0.25
226	42,500	120	15.76	32,592	1.25	0.00042	0.00031	0.00073	0.20393	0.0009125	0.25	0.00042	0.00014	0.00056	0.15644	0.0007	0.20	0.00042	0.00009	0.00051	0.14247	0.0006375	0.18
227	36,500	120	18.37	27,124	1.25	0.00097	0.00016	0.00113	0.26271	0.0014125	0.33	0.00097	0.00014	0.00111	0.25806	0.0013875	0.32	0.00097	0.00009	0.00106	0.24644	0.001325	0.31
228	68,700	185	18.37	45,907	1.25	0.00097	0.00016	0.00113	0.44464	0.0014125	0.56	0.00097	0.00014	0.00111	0.43677	0.0013875	0.55	0.00097	0.00009	0.00106	0.41710	0.001325	0.52
231	48,000	170	15.5	33,993	1.25	0.00116	0.00017	0.00133	0.38752	0.0016625	0.48	0.00116	0.00012	0.00128	0.37295	0.0016	0.47	0.00116	0.00009	0.00125	0.36421	0.0015625	0.46
232	60,000	170	15.5	42,491	1.25	0.00116	0.00017	0.00133	0.48440	0.0016625	0.61	0.00116	0.00012	0.00128	0.46619	0.0016	0.58	0.00116	0.00009	0.00125	0.45527	0.0015625	0.57
233	48,000	170	15.5	33,993	1.25	0.00116	0.00017	0.00133	0.38752	0.0016625	0.48	0.00116	0.00012	0.00128	0.37295	0.0016	0.47	0.00116	0.00009	0.00125	0.36421	0.0015625	0.46
248	136,820	122	0	124,125	1.25	0.00020	0.00035	0.00055	0.58516	0.0006875	0.73	0.00020	0.00035	0.00055	0.58516	0.0006875	0.73	0.00020	0.00035	0.00055	0.58516	0.0006875	0.73
249	--	80	0	75,000	1.25	0.00023	0.00026	0.00049	0.31500	0.0006125	0.39	0.00023	0.00019	0.00042	0.27000	0.000525	0.34	0.00023	0.00007	0.00030	0.19286	0.000375	0.24
250	--	80	0	75,000	1.25	0.00023	0.00026	0.00049	0.31500	0.0006125	0.39	0.00023	0.00019	0.00042	0.27000	0.000525	0.34	0.00023	0.00007	0.00030	0.19286	0.000375	0.24
251	--	80	0	75,000	1.25	0.00023	0.00026	0.00049	0.31500	0.0006125	0.39	0.00023	0.00019	0.00042	0.27000	0.000525	0.34	0.00023	0.00007	0.00030	0.19286	0.000375	0.24

Summary of monitoring requirements, CAM applicability, aned stack testing requirements

# EPs	Type of Monitoring
62	Opacity
0	CAM
0	Agency O&M
0	Facility O&M
0	Stack Testing

EP ID	Monitoring Type													
	Opacity		CAM			Agency O&M			Facility O&M			Stack Test		
	Required	Justification	Required	Pollutant	Justification	Required	Pollutant	Justification	Required	Pollutant	Justification	Required	Pollutant	Justification
90	No	--	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
91	No	--	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
92	No	--	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
104	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
105	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
106	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
107	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
108	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
109	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
110	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
111	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
112	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
113	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
114	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
115	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
116	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
117	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
118	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
119	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
120	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
121	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
122	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
123	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
124	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
131	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
132	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
133	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
204	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
206	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
208	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
209	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
210	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
211	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
212	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
213	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
214	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
215	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
216	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
217	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
218	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
219	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
220	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
221	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
222	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
223	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
224	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
225	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
226	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
227	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
228	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
231	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
232	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
233	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
248	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
249	No	--	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
250	No	--	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
251	No	--	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
300	Yes	Permit requirement	No	PM	Unc. Major, but emits by event	No	PM	Controlled minor - uncontrolled major	No	PM	40 CFR §70.6(a)(3)(i)(B)	No	PM	Stack testing impractical for fill events
301	Yes	Permit requirement	No	PM	Unc. Major, but emits by event	No	PM	Controlled minor - uncontrolled major	No	PM	40 CFR §70.6(a)(3)(i)(B)	No	PM	Stack testing impractical for fill events
400	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
401	Yes	Permit requirement	No	PM	Control equipment is inherent	No	PM	Control equipment is inherent	No	PM	Control equipment is inherent	No	PM	Testing TDS is sufficient

Monitoring & Testing

EP ID	Monitoring Type														
	Opacity		CAM			Agency O&M			Facility O&M			Stack Test		
	Required	Justification	Required	Pollutant	Justification	Required	Pollutant	Justification	Required	Pollutant	Justification	Required	Pollutant	Justification
402	Yes	Permit requirement	No	PM	Control equipment is inherent	No	PM	Control equipment is inherent	No	PM	Control equipment is inherent	No	PM	Testing TDS is sufficient
403	Yes	Permit requirement	No	PM	Control equipment is inherent	No	PM	Control equipment is inherent	No	PM	Control equipment is inherent	No	PM	Testing TDS is sufficient
404	Yes	Permit requirement	No	PM	Control equipment is inherent	No	PM	Control equipment is inherent	No	PM	Control equipment is inherent	No	PM	Testing TDS is sufficient
405	No	--	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
406	No	--	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
407	No	--	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
408	No	--	No	NO_X	Con. sig. - unc. major - CEMS	No	NO_X	Con. sig. - unc. major - CEMS	No	NO_X	Con. sig. - unc. major - CEMS	No	NO_X	CEMS
409	No	--	No	NO_X	Con. sig. - unc. major - CEMS	No	NO_X	Con. sig. - unc. major - CEMS	No	NO_X	Con. sig. - unc. major - CEMS	No	NO_X	CEMS
501A	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
501B	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
502	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
503	Yes	Permit requirement	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled	No	--	Uncontrolled minor
Count	62		0			0			0			0		

Summary of the Cooling Tower Total Dissolved Solids Monitoring History (as provided by International Paper)

Annual Averages	PM 1 Cooling Tower		PM 1 Vacuum Cooling Tower		PM 2 Cooling Tower		PM 2 Vacuum Cooling Tower	
	TDS (mg/L)	Conductivity (unitless)	TDS (mg/L)	Conductivity (unitless)	TDS (mg/L)	Conductivity (unitless)	TDS (mg/L)	Conductivity (unitless)
Standard	8,153	--	137,883	--	7,650	--	9,600	--
2020	161	328	6,127	4,264	170	323	4,853	2,662
2021	127	538	4,322	3,643	126	540	4,573	2,901
2022	137	333	2,844	2,093	129	333	4,457	2,570
2023	163	343	2,202	1,871	155	344	4,429	2,809
2024	193	356	2,236	2,170	182	354	4,569	2,718
2025	196	367	3,450	2,082	183	363	4,280	2,558

Date	PM 1 Cooling Tower		PM 1 Vacuum Cooling Tower		PM 2 Cooling Tower		PM 2 Vacuum Cooling Tower		Exceedances			
	TDS (mg/L)	Conductivity (unitless)	TDS (mg/L)	Conductivity (unitless)	TDS (mg/L)	Conductivity (unitless)	TDS (mg/L)	Conductivity (unitless)	PM 1 CT > 8,153	PM 1 VCT > 137,883	PM 2 CT > 7,650	PM 2 VCT > 9,600
1/3/2020	164	316	310	454	178	321	6,400	3,630	--	--	--	--
2/10/2020	168	331	1,240	927	168	337	5,780	3,250	--	--	--	--
3/5/2020	162	343	1,040	1,050	164	332	1,830	1,500	--	--	--	--
4/7/2020	176	330	19,900	11,700	146	332	5,320	2,720	--	--	--	--
5/6/2020	192	377	3,010	2,380	194	364	3,860	2,290	--	--	--	--
6/2/2020	176	356	6,980	4,300	190	363	3,360	1,640	--	--	--	--
7/6/2020	176	304	11,900	5,410	146	303	5,530	2,700	--	--	--	--
8/7/2020	162	300	5,250	4,370	166	280	5,100	2,730	--	--	--	--
9/10/2020	138	282	10,208	6,330	168	272	5,346	3,048	--	--	--	--
10/6/2020	30	318	1,240	1,330	122	304	4,210	2,740	--	--	--	--
11/10/2020	180	340	7,450	4,990	210	335	5,700	2,938	--	--	--	--
12/4/2020	212	337	5,000	7,930	192	334	5,800	2,760	--	--	--	--
1/5/2021	142	334	6,670	4,510	122	338	4,630	2,510	--	--	--	--
2/2/2021	108	350	3,440	3,220	136	352	4,000	2,740	--	--	--	--
3/2/2021	158	335	11,300	8,820	164	360	4,460	2,750	--	--	--	--
4/6/2021	150	350	4,160	3,620	146	354	5,590	3,150	--	--	--	--
5/4/2021	166	360	6,500	5,550	160	358	5,780	3,260	--	--	--	--
6/1/2021	144	314	8,460	7,530	142	346	4,960	3,170	--	--	--	--
7/6/2021	152	303	624	710	130	296	3,190	2,760	--	--	--	--
8/3/2021	66	300	2,980	3,330	76	301	4,800	3,690	--	--	--	--
9/7/2021	124	283	1,150	1,270	122	291	5,590	2,850	--	--	--	--
10/5/2021	102	2,860	1,480	1,740	120	2,830	4,760	2,990	--	--	--	--
11/2/2021	94	312	3,060	2,520	92	312	3,680	2,690	--	--	--	--
12/7/2021	118	350	2,040	900	104	340	3,440	2,250	--	--	--	--
1/5/2022	134	336	940	1,310	132	340	4,580	2,640	--	--	--	--
2/1/2022	122	359	3,230	2,800	130	353	4,360	2,580	--	--	--	--
3/1/2022	158	390	2,710	1,800	138	370	4,920	3,160	--	--	--	--
4/8/2022	132	339	2,080	2,160	106	342	4,000	2,410	--	--	--	--
5/3/2022	168	349	600	1,160	88	354	4,420	2,770	--	--	--	--
6/7/2022	138	340	7,760	4,790	144	333	4,620	2,580	--	--	--	--
7/1/2022	160	320	960	1,300	154	314	5,570	2,870	--	--	--	--
8/9/2022	100	299	282	481	94	314	--	--	--	--	--	--
9/2/2022	136	289	312	496	146	295	4,680	2,380	--	--	--	--
10/4/2022	134	301	6,070	3,780	142	303	3,490	2,080	--	--	--	--
11/1/2022	138	326	4,640	2,360	144	325	4,120	2,260	--	--	--	--
12/6/2022	122	348	4,540	2,680	130	349	4,270	2,540	--	--	--	--

Date	PM 1 Cooling Tower		PM 1 Vacuum Cooling Tower		PM 2 Cooling Tower		PM 2 Vacuum Cooling Tower		Exceedances			
	TDS (mg/L)	Conductivity (unitless)	TDS (mg/L)	Conductivity (unitless)	TDS (mg/L)	Conductivity (unitless)	TDS (mg/L)	Conductivity (unitless)	PM 1 CT > 8,153	PM 1 VCT > 137,883	PM 2 CT > 7,650	PM 2 VCT > 9,600
1/3/2023	152	361	4,290	2,560	148	371	4,840	2,640	--	--	--	--
2/7/2023	154	391	5,230	3,100	130	385	4,960	2,930	--	--	--	--
3/7/2023	166	394	620	924	146	389	4,540	2,980	--	--	--	--
4/7/2023	218	344	890	995	244	347	4,580	2,510	--	--	--	--
5/2/2023	158	342	1,070	1,390	150	334	4,590	2,600	--	--	--	--
6/6/2023	174	333	5,410	3,600	178	334	4,280	2,650	--	--	--	--
7/7/2023	174	309	4,680	3,360	164	315	3,740	2,250	--	--	--	--
8/4/2023	118	316	1,430	2,430	98	321	5,360	4,610	--	--	--	--
9/5/2023	140	304	730	1,070	142	301	2,740	2,300	--	--	--	--
10/10/2023	146	318	910	1,220	138	324	4,460	2,520	--	--	--	--
11/7/2023	182	347	770	1,170	146	342	5,620	3,720	--	--	--	--
12/5/2023	176	361	388	634	174	361	3,440	2,000	--	--	--	--
1/2/2024	206	370	3,020	2,650	254	368	6,140	3,360	--	--	--	--
2/6/2024	192	419	1,820	1,980	160	419	3,590	2,370	--	--	--	--
3/12/2024	210	408	2,830	3,150	206	409	3,890	3,250	--	--	--	--
4/16/2024	196	380	1,030	1,450	184	380	4,980	3,290	--	--	--	--
5/1/2024	176	337	2,470	1,690	182	330	4,350	2,190	--	--	--	--
6/4/2024	220	315	6,150	3,030	172	319	4,910	2,230	--	--	--	--
7/5/2024	194	334	5,540	4,190	190	342	4,630	2,780	--	--	--	--
8/6/2024	178	327	250	418	172	338	2,880	1,890	--	--	--	--
9/3/2024	152	305	216	368	146	312	4,670	2,540	--	--	--	--
10/1/2024	196	365	430	678	164	332	5,300	2,710	--	--	--	--
11/5/2024	204	349	154	4,140	182	338	5,760	3,970	--	--	--	--
12/5/2024	190	364	2,920	2,290	174	355	3,730	2,040	--	--	--	--
1/7/2025	176	392	4,100	2,600	190	384	4,030	2,270	--	--	--	--
2/4/2025	156	405	630	808	170	400	5,100	2,820	--	--	--	--
3/4/2025	222	413	4,500	2,660	222	412	4,800	2,880	--	--	--	--
4/1/2025	320	483	4,820	2,460	200	428	5,260	2,750	--	--	--	--
5/6/2025	178	381	4,710	2,490	210	385	--	--	--	--	--	--
6/3/2025	172	366	2,640	1,660	176	373	4,210	2,330	--	--	--	--
7/1/2025	196	364	1,670	1,230	164	348	5,080	2,830	--	--	--	--
8/5/2025	206	344	1,750	1,170	172	324	3,490	1,850	--	--	--	--
9/2/2025	198	313	3,940	3,090	188	319	--	--	--	--	--	--
10/7/2025	184	305	4,520	2,330	156	305	4,150	2,510	--	--	--	--
11/5/2025	154	327	4,590	2,430	162	332	3,110	2,730	--	--	--	--
12/4/2025	188	311	3,530	2,050	188	344	3,570	2,610	--	--	--	--

Summary of the Visual Emissions Monitoring History (as provided by International Paper)

EP	Date 1/1/2025		Date 1/5/2025		Date 1/12/2025		Date 1/18/2025		Date 1/25/2025		Date 2/2/2025		Date 2/9/2025		Date 2/16/2025		Date 2/22/2025	
	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE
104	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
105	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
106	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
107	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
108	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
109	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
110	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
111	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
112	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
113	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
114	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
115	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
116	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
117	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
118	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
119	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
120	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
121	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
122	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
123	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
124	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
131	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
132	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
133	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
204	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
206	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
208	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
209	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
210	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
211	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
212	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
213	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
214	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
215	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
216	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
217	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
218	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
219	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
220	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
221	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
222	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
223	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
224	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
225	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
226	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
227	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
228	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
231	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
232	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
233	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
248	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
249	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No

EP	Date 1/1/2025		Date 1/5/2025		Date 1/12/2025		Date 1/18/2025		Date 1/25/2025		Date 2/2/2025		Date 2/9/2025		Date 2/16/2025		Date 2/22/2025	
	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE
250	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
251	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
300	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
301	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
401	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
402	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
403	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
404	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
501A	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
501B	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
502	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
503	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No

EP	Date 3/2/2025		Date 3/9/2025		Date 3/15/2025		Date 3/22/2025		Date 3/30/2025		Date 4/6/2025		Date 4/12/2025		Date 4/18/2025		Date 4/28/25-4/30/25	
	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE
104	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
105	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
106	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
107	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
108	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
109	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
110	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
111	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
112	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
113	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
114	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
115	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
116	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
117	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
118	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
119	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
120	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
121	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
122	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
123	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
124	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
131	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
132	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
133	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
204	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
206	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
208	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
209	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
210	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
211	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
212	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
213	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
214	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
215	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
216	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
217	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
218	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
219	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
220	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
221	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
222	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
223	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
224	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
225	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
226	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
227	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
228	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
231	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
232	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
233	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
248	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
249	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--

EP	Date 3/2/2025		Date 3/9/2025		Date 3/15/2025		Date 3/22/2025		Date 3/30/2025		Date 4/6/2025		Date 4/12/2025		Date 4/18/2025		Date 4/28/25-4/30/25	
	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE
250	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
251	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
300	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
301	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
401	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
402	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
403	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
404	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
501A	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
501B	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
502	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--
503	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--

EP	Date 5/4/2025		Date 5/8/2025		Date 5/10/2025		Date 5/17/2025		Date 5/25/2025		Date 6/1/2025		Date 6/7/2025		Date 6/15/2025		Date 6/22/2025		Date 6/29/2025	
	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE
104	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
105	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
106	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
107	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
108	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
109	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
110	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
111	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
112	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
113	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
114	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
115	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
116	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
117	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
118	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
119	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
120	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
121	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
122	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
123	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
124	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
131	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
132	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
133	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
204	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
206	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
208	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
209	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
210	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
211	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
212	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
213	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
214	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
215	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
216	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
217	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
218	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
219	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
220	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
221	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
222	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
223	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
224	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
225	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
226	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
227	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
228	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
231	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
232	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
233	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
248	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
249	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No

EP	Date 5/4/2025		Date 5/8/2025		Date 5/10/2025		Date 5/17/2025		Date 5/25/2025		Date 6/1/2025		Date 6/7/2025		Date 6/15/2025		Date 6/22/2025		Date 6/29/2025	
	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE
250	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
251	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
300	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
301	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
401	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
402	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
403	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
404	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
501A	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
501B	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
502	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
503	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No

EP	Date		Date		Date		Date		Date		Date		Date		Date		Date	
	7/6/2025		7/11/2025		7/20/2025		7/28/25-7/30/25		8/3/2025		8/10/2025		8/17/2025		8/24/2025		8/31/2025	
	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE
104	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
105	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
106	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
107	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
108	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
109	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
110	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
111	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
112	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
113	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
114	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
115	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
116	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
117	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
118	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
119	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
120	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
121	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
122	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
123	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
124	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
131	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
132	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
133	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
204	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
206	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
208	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
209	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
210	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
211	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
212	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
213	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
214	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
215	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
216	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
217	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
218	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
219	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
220	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
221	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
222	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
223	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
224	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
225	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
226	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
227	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
228	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
231	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
232	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
233	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
248	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
249	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No

NVE 2025

EP	Date		Date		Date		Date		Date		Date		Date		Date		Date	
	7/6/2025		7/11/2025		7/20/2025		7/28/25-7/30/25		8/3/2025		8/10/2025		8/17/2025		8/24/2025		8/31/2025	
	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE
250	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
251	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
300	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
301	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
401	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
402	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
403	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
404	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
501A	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
501B	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
502	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
503	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No

EP	Date 9/7/2025		Date 9/14/2025		Date 9/17/2025		Date 9/21/2025		Date 9/28/2025		Date 10/4/2025		Date 10/12/2025		Date 10/19/2025		Date 10/24/2025	
	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE
104	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
105	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
106	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
107	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
108	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
109	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
110	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
111	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
112	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
113	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
114	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
115	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
116	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
117	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
118	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
119	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
120	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
121	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
122	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
123	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
124	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
131	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
132	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
133	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
204	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
206	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
208	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
209	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
210	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
211	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
212	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
213	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
214	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
215	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
216	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
217	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
218	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
219	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
220	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
221	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
222	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
223	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
224	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
225	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
226	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
227	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
228	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
231	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
232	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
233	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
248	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
249	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No

EP	Date 9/7/2025		Date 9/14/2025		Date 9/17/2025		Date 9/21/2025		Date 9/28/2025		Date 10/4/2025		Date 10/12/2025		Date 10/19/2025		Date 10/24/2025	
	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE
250	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
251	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
300	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
301	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
401	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
402	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
403	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
404	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
501A	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
501B	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
502	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
503	Yes	No	No	--	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No

EP	Date 11/1/2025		Date 11/8/2025		Date 11/16/2025		Date 11/23/2025		Date 11/28/2025		Date 12/7/2025		Date 12/12/25-12/16/25		Date 12/21/2025		Date 12/28/2025	
	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE
104	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
105	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
106	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
107	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
108	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
109	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
110	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
111	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
112	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
113	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
114	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
115	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
116	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
117	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
118	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
119	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
120	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
121	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
122	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
123	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
124	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
131	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
132	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
133	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
204	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
206	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
208	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
209	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
210	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
211	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
212	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
213	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
214	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
215	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
216	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
217	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
218	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
219	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
220	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
221	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
222	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
223	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
224	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
225	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
226	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
227	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
228	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
231	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
232	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
233	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
248	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
249	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No

NVE 2025

EP	Date 11/1/2025		Date 11/8/2025		Date 11/16/2025		Date 11/23/2025		Date 11/28/2025		Date 12/7/2025		Date 12/12/25-12/16/25		Date 12/21/2025		Date 12/28/2025	
	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE	Observed	VE
250	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
251	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
300	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
301	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
401	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
402	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
403	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
404	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
501A	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
501B	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
502	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No
503	Yes	No	Yes	No	No	--	Yes	No	Yes	No	Yes	No	No	--	Yes	No	Yes	No

AP-42 Chapter 3.3: Gasoline and Diesel Industrial Engines

Table 3.3-2: Speciated Organic Compound Emission Factors for Uncontrolled Diesel Engines

Use for EP91 (non-certified engine)

Pollutant	EF (lb/MMBtu)
Benzene	9.33E-04
Toluene	4.09E-04
Xylenes	2.85E-04
Propylene	2.58E-03
1,3-Butadiene	3.91E-05
Formaldehyde	1.18E-03
Acetaldehyde	7.67E-04
Acrolein	9.25E-05
Naphthalene	8.48E-05
Acenaphthylene	5.06E-06
Acenaphthene	1.42E-06
Fluorene	2.92E-05
Phenanthrene	2.94E-05
Anthracene	1.87E-06
Fluoranthene	7.61E-06
Pyrene	4.78E-06
Benzo(a)anthracene	1.68E-06
Chrysene	3.53E-07
Benzo(b)fluoranthene	9.91E-08
Benzo(k)fluoranthene	1.55E-07
Benzo(a)pyrene	1.88E-07
Indeno(1,2,3-cd)pyrene	3.75E-07
Dibenz(a,h)anthracene	5.83E-07
Benzo(g,h,i)perylene	4.89E-07
Total PAH	1.68E-04

Pollutant	EF (lb/MMBtu)
PM2.5	0.31
PM10	0.31
PM	0.31
SO2	15 ppmv
NOx	4.41
VOC	0.36
CO	0.95

(all fuel must meet sulfur content of 15 ppmv)

Note: using these EF's as this engine is not a certified engine.

EP90 use NSPS IIII Limits

Pollutant	EF (g/hp-hr)
PM2.5	0.3
PM10	0.3
PM	0.3
SO2	15 ppmv
NOx	5.6
VOC	5.6
CO	3.7

(all fuel must meet sulfur content of 15 ppmv)

AP-42 Chapter 1.4: Natural Gas Combustion

Table 1.4-3: Emission Factors for Speciated Organic Compounds from Natural Gas Combustion

Pollutant	EF (lb/MMcf)	HAP
2-Methylnaphthalene	2.40E-05	
3-Methylcholanthrene	1.80E-06	
12-Dimethylbenz(a)anthracer	1.60E-05	
Acenaphthene	1.80E-06	
Acenaphthylene	1.80E-06	
Anthracene	2.40E-06	
Benz(a)anthracene	1.80E-06	
Benzene	2.10E-03	Y
Benzo(a)pyrene	1.20E-06	
Benzo(b)fluoranthene	1.80E-06	
Benzo(g,h,i)perylene	1.20E-06	
Benzo(k)fluoranthene	1.80E-06	
Butane	2.10E+00	
Chrysene	1.80E-06	
Dibenzo(a,h)anthracene	1.20E-06	
Dichlorobenzene	1.20E-03	
Ethane	3.10E+00	
Fluoranthene	3.00E-06	
Fluorene	2.80E-06	
Formaldehyde	7.50E-02	Y
Hexane	1.80E+00	Y
Indeno(1,2,3-cd)pyrene	1.80E-06	
Naphthalene	6.10E-04	Y
Pentane	2.60E+00	
Phenanthrene	1.70E-05	
Propane	1.60E+00	
Pyrene	5.00E-06	
Toluene	3.40E-03	Y

AP-42 Chapter 1.4: Natural Gas Combustion

Table 1.4-4: Emission Factors for Metals from Natural Gas Combustion

Pollutant	EF (lb/MMcf)	HAP
Arsenic	2.00E-04	Y
Barium	4.40E-03	
Beryllium	1.20E-05	Y
Cadmium	1.10E-03	Y
Chromium	1.40E-03	Y
Cobalt	8.40E-05	Y
Copper	8.50E-04	
Manganese	3.80E-04	Y
Mercury	2.60E-04	Y
Molybdenum	1.10E-03	
Nickel	2.10E-03	Y
Selenium	2.40E-05	Y
Vanadium	2.30E-03	
Zinc	2.90E-02	