

**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: June 16, 2031

Permit Renewal Application Deadline: December 16, 2030

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

Corey McCoid

6/17/2026

Corey McCoid, Supervisor of Air Operating Permits Section

Date

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Abbreviations

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

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 1 st Section Vacuum Roll Exhaust Fan	--	6643 / 7151
118	100Dryer	520-7010 Dryer Hood Exhaust #1	--	6644 / 7152
119	100Dryer	520-7200 3 rd Section Vacuum Roll Exhaust Fan	--	6645 / 7153
120	100Dryer	520-7015 Dryer Hood Exhaust Fan #2	--	6646 / 7154
121	100Dryer	520-7202 4 th 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 5 th 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	200Fourdrinier	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	200Fourdrinier	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 1 st Section Vacuum Roll Exhaust Fan	--	6670 / 7178
223	200Dryer	521-12340 1 st 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 4 th Section Vacuum Roll Exhaust Fan	--	6674 / 7182
227	200Dryer	521-12730 5 th 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 2 nd 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	Maximize 3504 Storage	--
--	510-760-5610	Optimize 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: June 17, 2026
Ending on: June 16, 2031

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 1 st Section Vacuum Roll Exhaust Fan	Paper	1,808 SWT/day	--	--
118		520-7010 Dryer Hood Exhaust #1			--	--
119		520-7200 3 rd Section Vacuum Roll Exhaust Fan			--	--
120		520-7015 Dryer Hood Exhaust #2			--	--
121		520-7202 4 th Section Vacuum Roll Exhaust Fan			--	--
122		520-7035 Dryer Hood Exhaust #4			--	--
123		520-7020 Dryer Hood Exhaust #3			--	--
124		520-7205 5 th 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 7150
 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, 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 1 st 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 4 th Section Vacuum Roll Exhaust Fan			--	--
227		521-12730 5 th 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	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
250		20% ^{1,2}	LCCO Sec. 10-60(a)(1)	
251	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	PM	0.39 lb/hr	Requested limit	LCPH ATI 7424 / PTO 7276
250	PM ₁₀	0.34 lb/hr	Requested limit	LCPH ATI 7425 / PTO 7277
251				LCPH ATI 7426 / PTO 7278

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, Subpart Db 567 IAC 23.1(2)“ccc” LCCO Sec. 10-62(b)(55) LCPH ATI 7712R1 / --
			Diluent O ₂	40 CFR Part 60, Appendix F	
		CEMS-408-CO	CO	40 CFR Part 60, Appendix A & B	
			Flow ²	40 CFR Part 60, Appendix F	
409	PB2	CEMS-409-NO _x	NO _x	40 CFR Part 60	40 CFR Part 60, Subpart Db 567 IAC 23.1(2)“ccc” LCCO Sec. 10-62(b)(55) LCPH ATI 7713R1 / --
			Diluent O ₂	40 CFR Part 60, Appendix F	
		CEMS-409-CO	CO	40 CFR Part 60, Appendix A & B	
			Flow	40 CFR Part 60, Appendix F	
		CEMS-409-FLOW		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 / -- LCPH ATI 7713R1 / --
409	CO	99 tpy ¹	Synthetic minor	

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 NESHAP 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) O₂ or CO₂:

The owner or operator shall install, calibrate, maintain, and operate a CEMS and record the output of the system, for measuring the oxygen (O₂) or carbon dioxide (CO₂) 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 (Q_S) using Equation 1 with a dry O₂ reading and an oxygen-based F factor or using Equation 2 with dry CO₂ 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 meet 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 90th 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 95th 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”	567 IAC 23.3(2)“a”
			LCCO Sec. 10-62(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
	III	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 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. National Emission Standards for Hazardous Air Pollutants (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 NESHAP requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NESHAP 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)
		2.5 lb/MMBtu	567 IAC 23.3(3)“b”(2)	567 IAC 23.3(3)“b”(2)
	SO 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. National Emission Standards for Hazardous Air Pollutants (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 NESHAP requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NESHAP 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”	LCPH ATI 6376 / PTO 6128 LCPH ATI 6377 / PTO 6129
		20% ^{1,2}	LCCO Sec. 10-60(a)	
	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 ppmv	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

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	Opacity	40% ^{1,2}	567 IAC 23.3(2)“d”	567 IAC 23.3(2)“d”
402		20% ^{1,2}	LCCO Sec. 10-60(a)	LCPH ATI 6369 / PTO 6130
403	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/PM₁₀ 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/PM₁₀ 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/PM₁₀ 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”	LCPH ATI 8189 / PTO 7700
		20% ^{1,2}	LCCO Sec. 10-60(a)	
	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/PM₁₀ 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	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
502 503	PM ³	0.1 gr/dscf	LCCO Sec. 10-62(a)	LCPH ATI 6583 / PTO 6408 LCPH ATI 6584 / PTO 6409 LCPH ATI 6585 / PTO 6410

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
3. Emergency Defense for Excess Emissions. For the purposes of this permit, an “emergency” means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include non-compliance, to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation or operator error. An emergency constitutes an affirmative defense to an action brought for non-compliance with technology-based limitations if it can be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that:
- a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
 - b. The facility at the time was being properly operated;
 - c. During the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements of the permit; and
 - d. The permittee submitted notice of the emergency to the director by certified mail within two working days of the time when the emissions limitations were exceeded due to the emergency. This notice fulfills the requirement of paragraph 22.108(5)"b." – See G15. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof. This provision is in addition to any emergency or upset provision contained in any applicable requirement. 567 IAC 24.108(16)

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 conducting 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)