

**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-005R1**

**Expiration Date: April 30, 2026**

**Permit Renewal Application Deadline: October 30, 2025**

**EIQ Number: 92-9025**

**Facility File Number: 57-01-153**

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**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: Rick O'Neal**

**Title: EH&S Manager**

**Mailing Address: 4600 C Street SW, Cedar Rapids, IA 52404**

**Phone #: 319-775-6127**

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This permit is issued in accordance with 567 Iowa Administrative Code Chapter 22, and is issued subject to the terms and conditions contained in this permit.

**For the Director of the Department of Natural Resources**

*Marnie Stein*

May 1, 2021

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Marnie Stein, Supervisor of Air Operating Permits Section

Date

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## Abbreviations

acfm	actual cubic feet per minute
BHP	brake horsepower
CFR	Code of Federal Regulation
CE	control equipment
CEM	continuous emission monitor
°F	degrees Fahrenheit
EIQ	emissions inventory questionnaire
EP	emission point
EU	emission unit
gr./dscf	grains per dry standard cubic foot
I	inside-vent inside building
IAC	Iowa Administrative Code
IDNR	Iowa Department of Natural Resources
LCO	Linn County Ordinance
MVAC	motor vehicle air conditioner
NAICS	North American Industry Classification System
NSPS	new source performance standard
ppmv	parts per million by volume
lb./hr	pounds per hour
lb./MMBtu	pounds per million British thermal units
SCC	Source Classification Codes
scfm	standard cubic feet per minute
SIC	Standard Industrial Classification
SWT	Scale Weight Tons
TPY	tons per year
V	Vertical (without rain cap or with unobstructing rain cap)
USEPA	United States Environmental Protection Agency

### Pollutants

PM	particulate matter
PM <sub>10</sub>	particulate matter ten microns or less in diameter
SO <sub>2</sub>	sulfur dioxide
NO <sub>x</sub>	nitrogen oxides
VOC	volatile organic compound
CO	carbon monoxide
HAP	hazardous air pollutant

# I. Facility Description and Equipment List

Facility Name: International Paper Cedar River Mill

Permit Number: 15-TV-005R1

Facility Description: Paperboard Mills (SIC 2631); Paper (except Newsprint) Mills (NAICS 322121)

## Equipment List

Emission Point Number	Emission Unit Number	Emission Unit Description	Construction Permit Number(s) (ATI/PTO)
104	100Pulper	510-7375 Stock Prep Exhaust Fan	6627-R1 / 7224
105	100Fourdrinier	520-7350 Fourdrinier Exhaust Fan #1	6628 / 7139
106		520-7418 Roof Exhaust Fan #11	7416 / 7140
107		520-7417 Roof Exhaust Fan #10	6630 / 7141
108		520-7375 Roof Exhaust Fan #1	6631 / 7142
109		520-7380 Roof Exhaust Fan #2	6632 / 7143
110		520-7355 Fourdrinier Exhaust Fan #2	6636 / 7144
116		520-7410 Roof Exhaust Fan #7	6642 / 7150
111	100Press	520-7385 Roof Exhaust Fan #3	6637 / 7145
112		520-7390 Roof Exhaust Fan #4	6638 / 7146
113		520-7395 Roof Exhaust Fan #5	6639 / 7147
114		520-7416 Roof Exhaust Fan #9	6640 / 7148
115		520-7405 Roof Exhaust Fan #6	6641 / 7149
117	100Dryer	520-7195 1 <sup>st</sup> Section Vacuum Roll Exhaust Fan	6643 / 7151
118		520-7010 Dryer Hood Exhaust #1	6644 / 7152
119		520-7200 3 <sup>rd</sup> Section Vacuum Roll Exhaust Fan	6645 / 7153
120		520-7015 Dryer Hood Exhaust #2	6646 / 7154
121		520-7202 4 <sup>th</sup> Section Vacuum Roll Exhaust Fan	6647 / 7155
122		520-7035 Dryer Hood Exhaust #4	6648 / 7156
123		520-7020 Dryer Hood Exhaust #3	6649 / 7157
124		520-7205 5 <sup>th</sup> Section Vacuum Roll Exhaust Fan	6650 / 7158
131	100Vacuum Trench	Vacuum Trench Exhaust	6651 / 7159
132	100OCC	355-4015 Thickener Exhaust	7417 / 7160
133		510-7370 Saveall Exhaust	7418 / 7161
204	200OCC	356-2040 Thickener Exhaust Fan	6653 / 7162
206		511-1940 Saveall Exhaust Fan	6654 / 7163
208	200Fourdrinier	521-12760 Fourdrinier Exhaust Fan	6655 / 7164
209		521-12910 Roof Exhaust Fan #15	6656 / 7165
210		521-12820 Roof Exhaust Fan #5	6657 / 7166
211		521-12920 Roof Exhaust Fan #17	6658 / 7167
212		521-12915 Roof Exhaust Fan #16	6659 / 7168
213		521-12830 Roof Exhaust Fan #6	6660 / 7169
214		521-12840 Roof Exhaust Fan #7	6662 / 7170
215		521-12780 Bel-Liner Exhaust Fan	6663 / 7171
216		521-12850 Roof Exhaust Fan #8	6664 / 7172
217		521-12860 Roof Exhaust Fan #9	6665 / 7173
218	200Press	521-12905 Roof Exhaust Fan #14	6666 / 7174
219		521-12870 Roof Exhaust Fan #10	6667 / 7175
220		521-12880 Roof Exhaust Fan #11	6668 / 7176

<b>Emission Point Number</b>	<b>Emission Unit Number</b>	<b>Emission Unit Description</b>	<b>Construction Permit Number(s) (ATI/PTO)</b>	
221	200Dryer	521-12800 Press Pulper Exhaust Fan	7419 / 7177	
222		521-12710 1 <sup>st</sup> Section Vacuum Roll Exhaust Fan	6670 / 7178	
223		521-12340 #1 Main Hood Exhaust Fan	6671 / 7179	
224		521-12840 Main Hood Exhaust Fan #7	6672 / 7180	
225		521-12350 Main Hood Exhaust Fan #2	6673 / 7181	
226		521-12720 4 <sup>th</sup> Section Vacuum Roll Exhaust Fan	6674 / 7182	
227		521-12730 5 <sup>th</sup> Section Vacuum Roll Exhaust Fan	6675 / 7183	
228		521-12360 Hood Exhaust Fan #3	6676 / 7184	
231		200Dryer8	521-12365 Main Hood Exhaust #4	6677 / 7185
232			521-12369 After Hood Exhaust Fan #6	6678 / 7186
233	521-12367 Main Hood Exhaust Fan #5		6679 / 7187	
248	200Vacuum Trench	Vacuum Trench Exhaust	6687 / 7188	
249	200Pulper	356-3267 #1 Pulper Roof Exhaust Fan	7424 / --	
250		356-3268 #2 Pulper Roof Exhaust Fan	7425 / --	
251		356 – 3269 White Top Pulper Roof Exhaust Fan	7426 / --	
300	300	Cationic Starch Silo	6376 / 6128	
301	301	Size Press Starch Silo	6377 / 6129	
400	AMU7	AMU Unit 7 - Mill 2	6688 / 6979	
401	401	No. 1 PM Mill Water Cooling Tower	6369 / 6130	
402	402	No. 1 PM Vacuum Cooling Tower	6370 / 6131	
403	403	No. 2 PM Mill Water Cooling Tower	6371 / 6132	
404	404	No. 2 PM Vacuum Cooling Tower	6372 / 6133	
405	356-350-3250	Pulper Building AMU #1	7207 / 6977	
406	356-350-3255	Pulper Building AMU #2	7208 / 6978	
407	AMU10	AMU Unit 10 – Mill 2	7209 / 6980	
500	501A	520-7700 PM #1 High Density Chest Exhaust Fan	6582 / 6407	
501	501B	520-7700 PM #1 Low Density Chest Exhaust Fan	6583 / 6408	
502	502	PM #2 Bottom Sheet High Density Chest Exhaust Fan	6584 / 6409	
503	503	PM #2 Top Sheet High Density Chest Exhaust Fan	6585 / 6410	
90	90	Sump Pump Engine	CI-3	
91	91	Fire Pump Engine	--	

## Insignificant Activities Equipment List

Insignificant Emission Unit ID	Insignificant Emission Unit Description
350-448-7040	OCC Bale Warehouse Unit 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
350-448-7160	OCC Bale Warehouse Door Heater #1
350-448-7170	OCC Bale Warehouse Door Heater #2
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
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 Up Unit #2
520-349-7425	#1 Machine Building Air Make Up Unit #3
520-349-7430	#1 Machine Building Air Make Up Unit #4
520-349-7435	#1 Machine Building Air Make Up Unit #5
520-349-7440	#1 Machine Building Air Make Up Unit #6
520-349-7442	#1 Machine Building Air Make Up Unit #7
350-7011	OCC Bale Warehouse Air Make Up Unit #8
350-7010	OCC #2 Air Make Up Unit #9
350-7012	Shipping Air Make Up Unit #10
560-349-7000	Finish Roll Warehouse Air Make Up Unit #1
560-349-8240	Finish Roll Warehouse Air Make Up Unit #2
560-448-7050	Finish Roll Warehouse Unit Heater #1
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
560-448-7150	Finish Roll Warehouse Door Heater #5
560-448-7160	Finish Roll Warehouse Door Heater #6
560-448-7170	Finish Roll Warehouse Door Heater #7
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
560-448-8320	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
521-T12-2	#1 Machine Building 6K CFM WE Crane Hatch
520-7910	#1 Machine Building 6K CFM DE Crane Hatch

<b>Insignificant Emission Unit ID</b>	<b>Insignificant Emission Unit Description</b>
350-349-8240	OCC Bale Storage Air Make Up Unit #1
350-349-8250	OCC Bale Storage Air Make Up Unit #2
350-349-8260	OCC Bale Storage Air Make Up Unit #3
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
350-448-8602	OCC Bale Storage Door Heater #6 Reznor
355-349-7120	Clarifier Building Air Make Up 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
356-448-3277	Pulper Building Door Heater #1
356-448-3278	Pulper Building Door Heater #2
356-448-3279	Pulper Building Door Heater #3
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	Lowerator 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
356-349-3040	#2 Machine Building Air Make Up Unit #1
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

<b>Insignificant Emission Unit ID</b>	<b>Insignificant Emission Unit Description</b>
521-349-12960	#2 Machine Building Air Make Up Unit #5
521-349-12970	#2 Machine Building Air Make Up Unit #6
521-349-12990	#2 Machine Building Air Make Up Unit #8
356-3045	#2 PM OCC Air Make Up Unit # 11 (labeled AMU 2)
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 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
350-8265	#2 PM Raw Material North AMU#4
LPP-1 #24	P.M. Department Lennox Furnace (Horiz)
521-13004	#2 Machine Building North Crane Hatch
7910	#2 Machine Building South 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
13007	Door Unit Maintenance 2 <sup>nd</sup> Floor WH 100 gal
13008	Fork Lift Repair Storage
13009	Fork Lift 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
13015	#2 Machine Clarifier
13016	Effluent Clarifier
13017	Small #1 Effluent Clarifier
13018	Small #2 Effluent Clarifier
PM WD	West Dock Heater
PM1 BH	Bumpout Heater
PM2 FRH	Fire Rise Heater
521-760-1415	Busperse 2138 Storage
511-760-1840	Maximize 3504 Storage
510-760-5610	Optimize Plus 742 Storage



## II. Plant-Wide Conditions

Facility Name: International Paper Cedar River Mill  
Permit Number: 15-TV-005R1

Permit conditions are established in accord with 567 Iowa Administrative Code rule 22.108

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### Permit Duration

The term of this permit is: Five Years  
Commencing on: May 1, 2021  
Ending on: April 30, 2026

Amendments, modifications and reopenings of the permit shall be obtained in accordance with 567 Iowa Administrative Code rules 22.110 - 22.114. Permits may be suspended, terminated, or revoked as specified in 567 Iowa Administrative Code Rules 22.115.

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### 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): 20% opacity  
Authority for Requirement: LCO Sec. 10-60(a)

Sulfur Dioxide (SO<sub>2</sub>): 500 parts per million by volume  
Authority for Requirement: LCO 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 of exhaust gas, except as provided in 567 – 21.2(455B), 23.1(455B), 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 23.1(455B) and 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 [LCO Sec. 10-62], whichever would result in the lowest allowable emission rate.  
Authority for Requirement: LCO Sec. 10-62(a)

The emission standards specified in {LCO Sec. 10-62} shall apply and those specified in section 10-61, [LCO Sec. 10-62] and Table 10-62-1 shall not apply to each process of the types listed in the following sections, with the following exception: whenever the compliance status, history of operations, ambient air quality in the vicinity, or the type of control equipment utilized, would warrant maximum control, the air pollution control officer shall enforce 0.1 grains per dry standard cubic foot of exhaust gas, section 10-61, or [LCO Sec. 10-62], whichever would result in the lowest achievable emission rate.

Authority for Requirement: LCO Sec. 10-62(a)(1)

**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. 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 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, fertilizers 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"  
LCO Sec. 10-66

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### **Regulatory Authority**

This facility is located in Linn County, Iowa. Linn County Public Health Department, under agreement with the Iowa Department of Natural Resources (DNR), 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 Department 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.

Authority for Requirement: 567 IAC 22.108

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### **40 CFR 60 Subpart III Requirements**

This facility is subject to Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

See Appendix A, Applicable Federal Standards

Authority for Requirement: 40 CFR 60 Subpart III  
567 IAC 23.1(2)"yyy"  
LCO Sec. 10-62(b)(77)

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**40 CFR 63 Subpart Q Requirements**

This facility is subject to National Emission Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers.

See Appendix A, Applicable Federal Standards

Authority for Requirement: 40 CFR 63 Subpart Q

567 IAC 23.1(4)"q"

LCO Sec. 10-62(b)(17)

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**40 CFR 63 Subpart ZZZZ Requirements**

This facility is subject to National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

See Appendix A, Applicable Federal Standards

Authority for Requirement: 40 CFR 63 Subpart ZZZZ

567 IAC 23.1(4)"cz"

LCO Sec. 10-62(d)(104)

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### III. Emission Point-Specific Conditions

Facility Name: International Paper Cedar River Mill

Permit Number: 15-TV-005R1

#### Emission Point ID Number: 104-124, 131-133

#### Associated Equipment

EP	EU	ID#	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
104	100Pulper	510-7375	Stock Preparation Exhaust Fan	Paperboard	76.88 tph	None	--
105	100Fourdrinier	520-7350	Fourdrinier Exhaust Fan #1		75.33 tph	None	--
106		520-7418	Roof Exhaust Fan #11			None	--
107		520-7417	Roof Exhaust Fan #10			None	--
108		520-7375	Roof Exhaust Fan #1			None	--
109		520-7380	Roof Exhaust Fan #2			None	--
110		520-7355	Fourdrinier Exhaust Fan #2			None	--
116		520-7410	Roof Exhaust Fan #7			None	--
111	100Press	520-7385	Roof Exhaust Fan #3		75.33 tph	None	--
112		520-7390	Roof Exhaust Fan #4			None	--
113		520-7395	Roof Exhaust Fan #5			None	--
114		520-7416	Roof Exhaust Fan #9			None	--
115		520-7405	Roof Exhaust Fan #6			None	--
117	100Dryer	520-7195	1 <sup>st</sup> Section Vacuum Roll Exhaust Fan		75.33 tph	None	--
118		520-7010	Dryer Hood Exhaust #1			None	--
119		520-7200	3 <sup>rd</sup> Section Vacuum Roll Exhaust Fan			None	--
120		520-7015	Dryer Hood Exhaust #2			None	--
121		520-7202	4 <sup>th</sup> Section Vacuum Roll Exhaust Fan			None	--
122		520-7035	Dryer Hood Exhaust #4			None	--
123		520-7020	Dryer Hood Exhaust #3			None	--
124		520-7205	5 <sup>th</sup> Section Vacuum Roll Exhaust Fan	None		--	
131	100Vacuum Trench	--	Vacuum Trench Exhaust		None	--	
132	100OCC	355-4015	Thickener Exhaust	75.33 tph	None	--	
133		510-7370	Saveall Exhaust		None	--	

#### Applicable Requirements

#### Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

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

#### Emission Limits

EP	Pollutant	Emission Limit(s)	Authority for Requirement
104	PM	0.24 lb/hr	ATI 6627-R1 / PTO 7224
	PM <sub>10</sub>	0.21 lb/hr	
105	PM/PM <sub>10</sub>	0.20 lb/hr	ATI 6628 / PTO 7139
106	PM	0.32 lb/hr	ATI 7416 / PTO 7140
	PM <sub>10</sub>	0.27 lb/hr	
107	PM	0.32 lb/hr	ATI 6630 / PTO 7141
	PM <sub>10</sub>	0.27 lb/hr	
108	PM	0.32 lb/hr	ATI 6631 / PTO 7142
	PM <sub>10</sub>	0.27 lb/hr	
109	PM	0.32 lb/hr	ATI 6632 / PTO 7143
	PM <sub>10</sub>	0.27 lb/hr	
110	PM/PM <sub>10</sub>	0.28 lb/hr	ATI 6636 / PTO 7144
111	PM	0.32 lb/hr	ATI 6637 / PTO 7145
	PM <sub>10</sub>	0.27 lb/hr	
112	PM	0.27 lb/hr	ATI 6638 / PTO 7146
	PM <sub>10</sub>	0.23 lb/hr	
113	PM	0.27 lb/hr	ATI 6639 / PTO 7147
	PM <sub>10</sub>	0.23 lb/hr	

EP	Pollutant	Emission Limit(s)	Authority for Requirement
114	PM	0.27 lb/hr	ATI 6640 / PTO 7148
	PM <sub>10</sub>	0.23 lb/hr	
115	PM	0.27 lb/hr	ATI 6641 / PTO 7149
	PM <sub>10</sub>	0.23 lb/hr	
116	PM	0.27 lb/hr	ATI 6642 / PTO 7150
	PM <sub>10</sub>	0.23 lb/hr	
117	PM	0.13 lb/hr	ATI 6643 / PTO 7151
	PM <sub>10</sub>	0.10 lb/hr	
118	PM	0.32 lb/hr	ATI 6644 / PTO 7152
	PM <sub>10</sub>	0.25 lb/hr	
119	PM	0.13 lb/hr	ATI 6645 / PTO 7153
	PM <sub>10</sub>	0.10 lb/hr	
120	PM	0.38 lb/hr	ATI 6646 / PTO 7154
	PM <sub>10</sub>	0.29 lb/hr	
121	PM	0.34 lb/hr	ATI 6647 / PTO 7155
	PM <sub>10</sub>	0.26 lb/hr	
122	PM	0.38 lb/hr	ATI 6648 / PTO 7156
	PM <sub>10</sub>	0.37 lb/hr	
123	PM	0.53 lb/hr	ATI 6649 / PTO 7157
	PM <sub>10</sub>	0.52 lb/hr	
124	PM	0.30 lb/hr	ATI 6650 / PTO 7158
	PM <sub>10</sub>	0.29 lb/hr	
131	PM/PM <sub>10</sub>	0.78 lb/hr	ATI 6651 / PTO 7159
132	PM/PM <sub>10</sub>	0.01 lb/hr	ATI 7417 / PTO 7160
133	PM/PM <sub>10</sub>	0.01 lb/hr	ATI 7418 / PTO 7161
104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 131, 132, 133	Opacity	20%	LCO Sec. 10-60(a)
	PM	0.1 gr/dscf	567 IAC 23.3(2)"a" LCO Sec. 10-62(a)

### **Operational Limits & 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 these permits shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. 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 emission limits.

Authority for Requirement: LCPH ATI 6627-R1-6628, 6630-6632, 6636-6651, 7416-7418 / PTO 7139-7161

### **Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

EP	LCPH ATI / PTO	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Exhaust Temp. (°F)	Exhaust Flowrate (acfm)
104	6627-R1	82.5	Vertical, unobstructed	60	68	45,000 scfm
105	6628 / 7139	85	Vertical, unobstructed	60	103	45,000
106	7416 / 7140	85	Vertical, unobstructed	60	68	60,000

EP	LCPH ATI / PTO	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Exhaust Temp. (°F)	Exhaust Flowrate (acfm)
107	6630 / 7141	85	Vertical, unobstructed	60	68	60,000
108	6631 / 7142	85	Vertical, unobstructed	60	68	60,000
109	6632 / 7143	85	Vertical, unobstructed	60	68	60,000
110	6636 / 7144	82	Vertical, unobstructed	60	120	60,000
111	6637 / 7145	85	Vertical, unobstructed	60	68	60,000
112	6638 / 7146	83	Vertical, unobstructed	60	95	60,000
113	6639 / 7147	83	Vertical, unobstructed	60	95	60,000
114	6640 / 7148	85	Vertical, unobstructed	60	95	60,000
115	6641 / 7149	83	Vertical, unobstructed	60	95	60,000
116	6642 / 7150	83	Vertical, unobstructed	60	95	60,000
117	6643 / 7151	82.5	Vertical, unobstructed	36	170	24,000
118	6644 / 7152	82.5	Vertical, unobstructed	60	190	60,000
119	6645 / 7153	82.5	Vertical, unobstructed	36	190	24,600
120	6646 / 7154	85	Vertical, unobstructed	60	90	60,000
121	6647 / 7155	82.5	Vertical, unobstructed	60	150	60,000
122	6648 / 7156	82.5	Vertical, unobstructed	42	130	42,600
123	6649 / 7157	82.5	Vertical, unobstructed	60	130	60,000
124	6650 / 7158	82.5	Vertical, unobstructed	36	180	30,400
131	6651 / 7159	85	Vertical, unobstructed	72	122	145,954
132	7417 / 7160	82	Vertical, unobstructed	18	140	2,900
133	7418 / 7161	82	Vertical, unobstructed	18	140	2,900

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**

See Appendix D, Opacity Monitoring Summary

Authority for Requirement: 567 IAC 22.108(14)

**Agency Approved Operation & 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 22.108(3)

**Emission Point ID Number: 204, 206, 208-233, 248**

**Associated Equipment**

EP	EU	ID#	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
204	200OCC	356-2040	Thickener Exhaust Fan	Paperboard	93.96 tph	None	--
206		511-1940	Saveall Exhaust Fan			None	--
208	200Fourdrinier	521-12760	Fourdrinier Exhaust Fan		93.96 tph	None	--
209		521-12910	Roof Exhaust Fan #15			None	--
210		521-12820	Roof Exhaust Fan #5			None	--
211		521-12920	Roof Exhaust Fan #17			None	--
212		521-12915	Roof Exhaust Fan #16			None	--
213		521-12830	Roof Exhaust Fan #6			None	--
214		521-12840	Roof Exhaust Fan #7			None	--
215		521-12780	Bel-Liner Exhaust Fan			None	--
216		521-12850	Roof Exhaust Fan #8			None	--
217		521-12860	Roof Exhaust Fan #9			None	--
218		200Press	521-12905			Roof Exhaust Fan #14	93.96 tph
219	521-12870		Roof Exhaust Fan #10		None	--	
220	521-12880		Roof Exhaust Fan #11		None	--	
221	200Dryer	521-12800	Press Pulper Exhaust Fan		93.96 tph	None	--
222		521-12710	1 <sup>st</sup> Section Vacuum Roll Exhaust Fan			None	--
223		521-12340	#1 Main Hood Exhaust Fan			None	--
224		521-12840	Main Hood Exhaust Fan #7			None	--
225		521-12350	Main Hood Exhaust Fan #2			None	--
226		521-12720	4 <sup>th</sup> Section Vacuum Roll Exhaust Fan			None	--
227		521-12730	5 <sup>th</sup> Section Vacuum Roll Exhaust Fan			None	--
228		521-12360	Main Hood Exhaust Fan #3			None	--
231	200Dryer8	521-12365	Main Hood Exhaust Fan #4		93.96 tph	None	--
232		521-12369	After Hood Exhaust Fan #6			None	--
233		521-12367	Main Hood Exhaust Fan #5			None	--
248	200Vacuum Trench	--	Vacuum Trench Exhaust		93.96 tph	None	--

**Applicable Requirements**

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

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

**Emission Limits**

EP	Pollutant	Emission Limit(s)	Authority for Requirement
204	PM	0.02 lb/hr	ATI 6653 / PTO 7162
	PM <sub>10</sub>	0.01 lb/hr	
206	PM	0.02 lb/hr	ATI 6654 / PTO 7163
	PM <sub>10</sub>	0.01 lb/hr	
208	PM/PM <sub>10</sub>	0.33 lb/hr	ATI 6655 / PTO 7164
209	PM	0.32 lb/hr	ATI 6656 / PTO 7165
	PM <sub>10</sub>	0.27 lb/hr	
210	PM	0.32 lb/hr	ATI 6657 / PTO 7166
	PM <sub>10</sub>	0.27 lb/hr	
211	PM	0.32 lb/hr	ATI 6658 / PTO 7167
	PM <sub>10</sub>	0.27 lb/hr	
212	PM	0.32 lb/hr	ATI 6659 / PTO 7168
	PM <sub>10</sub>	0.27 lb/hr	
213	PM	0.32 lb/hr	ATI 6660 / PTO 7169
	PM <sub>10</sub>	0.27 lb/hr	
214	PM	0.26 lb/hr	ATI 6662 / PTO 7170
	PM <sub>10</sub>	0.22 lb/hr	
215	PM	0.13 lb/hr	ATI 6663 / PTO 7171
	PM <sub>10</sub>	0.11 lb/hr	
216	PM/PM <sub>10</sub>	0.30 lb/hr	ATI 6664 / PTO 7172

EP	Pollutant	Emission Limit(s)	Authority for Requirement
217	PM	0.27 lb/hr	ATI 6665 / PTO 7173
	PM <sub>10</sub>	0.23 lb/hr	
218	PM	0.27 lb/hr	ATI 6666 / PTO 7174
	PM <sub>10</sub>	0.23 lb/hr	
219	PM	0.27 lb/hr	ATI 6667 / PTO 7175
	PM <sub>10</sub>	0.23 lb/hr	
220	PM	0.26 lb/hr	ATI 6668 / PTO 7176
	PM <sub>10</sub>	0.22 lb/hr	
221	PM	0.08 lb/hr	ATI 7419 / PTO 7177
	PM <sub>10</sub>	0.07 lb/hr	
222	PM	0.14 lb/hr	ATI 6670 / PTO 7178
	PM <sub>10</sub>	0.10 lb/hr	
223	PM	0.35 lb/hr	ATI 6671 / PTO 7179
	PM <sub>10</sub>	0.27 lb/hr	
224	PM	0.36 lb/hr	ATI 6672 / PTO 7180
	PM <sub>10</sub>	0.28 lb/hr	
225	PM	0.36 lb/hr	ATI 6673 / PTO 7181
	PM <sub>10</sub>	0.28 lb/hr	
226	PM	0.25 lb/hr	ATI 6674 / PTO 7182
	PM <sub>10</sub>	0.20 lb/hr	
227	PM	0.33 lb/hr	ATI 6675 / PTO 7183
	PM <sub>10</sub>	0.32 lb/hr	
228	PM	0.56 lb/hr	ATI 6676 / PTO 7184
	PM <sub>10</sub>	0.55 lb/hr	
231	PM	0.48 lb/hr	ATI 6677 / PTO 7185
	PM <sub>10</sub>	0.47 lb/hr	
232	PM	0.61 lb/hr	ATI 6678 / PTO 7186
	PM <sub>10</sub>	0.58 lb/hr	
233	PM	0.48 lb/hr	ATI 6679 / PTO 7187
	PM <sub>10</sub>	0.47 lb/hr	
248	PM/ PM <sub>10</sub>	0.73 lb/hr	ATI 6687 / PTO 7188
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	Opacity	20%	LCO Sec. 10-60(a)
	PM	0.1 gr/dscf	567 IAC 23.3(2)"a" LCO Sec. 10-62(a)

### **Operational Limits & 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 these permits shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. 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 emission limits.

Authority for Requirement: LCPH ATI 6653-6660, 6662-6668, 6670-6679, 6687 / PTO 7162-7188

### **Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

EP	LCPH ATI / PTO	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Exhaust Temp. (°F)	Exhaust Flowrate (acfm)
204	6653 / 7162	82	Vertical, unobstructed	18	130	3,500



EP	LCPH ATI / PTO	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Exhaust Temp. (°F)	Exhaust Flowrate (acfm)
206	6654 / 7163	82	Vertical, unobstructed	18	140	3,500
208	6655 / 7164	82	Vertical, unobstructed	54	110	75,000
209	6656 / 7165	85	Vertical, unobstructed	60	58	60,000
210	6657 / 7166	84	Vertical, unobstructed	60	58	60,000
211	6658 / 7167	85	Vertical, unobstructed	60	58	60,000
212	6659 / 7168	85	Vertical, unobstructed	60	58	60,000
213	6660 / 7169	84	Vertical, unobstructed	60	58	60,000
214	6662 / 7170	84	Vertical, unobstructed	60	110	60,000
215	6663 / 7171	82	Vertical, unobstructed	36	130	32,000
216	6664 / 7172	84	Vertical, unobstructed	60	95	60,000
217	6665 / 7173	84	Vertical, unobstructed	60	95	60,000
218	6666 / 7174	85	Vertical, unobstructed	60	95	60,000
219	6667 / 7175	84	Vertical, unobstructed	60	95	60,000
220	6668 / 7176	84	Vertical, unobstructed	60	110	60,000
221	7419 / 7177	82.5	Vertical, unobstructed	60	51	45000
222	6670 / 7178	82	Vertical, unobstructed	36	160	24,300
223	6671 / 7179	82	Vertical, unobstructed	54	230	68,700
224	6672 / 7180	85	Vertical, unobstructed	60	120	60,000
225	6673 / 7181	82	Vertical, unobstructed	54	200	68,700
226	6674 / 7182	82	Vertical, unobstructed	48	120	42,500
227	6675 / 7183	82	Vertical, unobstructed	48	120	36,500
228	6676 / 7184	82	Vertical, unobstructed	54	185	68,700
231	6677 / 7185	82	Vertical, unobstructed	48	170	48,000
232	6678 / 7186	85	Vertical, unobstructed	60	170	60,000
233	6679 / 7187	82	Vertical, unobstructed	48	170	48,000
248	6687 / 7188	85	Vertical, unobstructed	72	122	136,820

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:**

See Appendix D, Opacity Monitoring Summary

Authority for Requirement: 567 IAC 22.108(14)

**Agency Approved Operation & 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 22.108(3)

**Emission Point ID Number: 249, 250, 251**

**Associated Equipment**

EP	EU#	ID#	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
249	200Pulper	356-3267	#1 Pulper Roof Exhaust Fan	Paperboard	88.125 tph	None	--
250		356-3268	#2 Pulper Roof Exhaust Fan	Paperboard	88.125 tph	None	--
251		356-3269	White Top Pulper Roof Exhaust Fan	Paperboard	88.125 tph	None	--

**Applicable Requirements**

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

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

**Emission Limits**

EP	Pollutant	Emission Limit(s)	Authority for Requirement
249 250 251	Opacity	20%	LCO Sec. 10-60(a) LCPH ATI 7424 LCPH ATI 7425 LCPH ATI 7426
	PM	0.39 lb/hr	LCPH ATI 7424 LCPH ATI 7425 LCPH ATI 7426
	PM <sub>10</sub>	0.34 lb/hr	LCPH ATI 7424 LCPH ATI 7425 LCPH ATI 7426

**Operational Limits & 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 these permits shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. 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 a monthly visual observation of exhaust stacks to determine whether or not visible emissions (VE) remain after steam and water vapor 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; LCPH ATI 7425; LCPH ATI 7426

**Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

EP	LCPH ATI / PTO	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Exhaust Temp. (°F)	Exhaust Flowrate (scfm)
249	7424	69.75	Vertical, unobstructed	36	80	75,000
250	7425	69.75	Vertical, unobstructed	36	80	75,000
251	7426	69.75	Vertical, unobstructed	36	80	75,000

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**

See Appendix D, Opacity Monitoring Summary

Authority for Requirement: 567 IAC 22.108(14)

**Agency Approved Operation & 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 22.108(3)

**Emission Point ID Number: 300, 301**

**Associated Equipment**

EP	EU	ID#	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
300	300	--	Cationic Starch Silo	Starch	15 tph	CE300	Baghouse
301	301	--	Size Press Starch Silo	Starch	15 tph	CE301	Baghouse

**Applicable Requirements**

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

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

**Emission Limits**

EP	Pollutant	Emission Limit(s)	Authority for Requirement
300, 301	Opacity	20%	LCO Sec. 10-60(a) LCPH ATI 6376 / PTO 6128 LCPH ATI 6377 / PTO 6129
	PM	0.1 gr/dscf	567 IAC 23.3(2)"a" LCO Sec. 10-62(a) LCPH ATI 6376 / PTO 6128 LCPH ATI 6377 / PTO 6129
	PM/PM <sub>10</sub>	0.86 lb/hr	LCPH ATI 6376 / PTO 6128 LCPH ATI 6377 / PTO 6129

**Operational Limits & 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 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 "operating condition monitoring and recordkeeping" 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 & Recordkeeping**

All records as required by these permits shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. 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 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 6376 / PTO 6128; LCPH ATI 6377 / PTO 6129

**Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

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

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**

See Appendix D, Opacity Monitoring Summary.

Authority for Requirement: 567 IAC 22.108(14)

**Agency Approved Operation & 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 22.108(3)

**Emission Point ID Number: 400, 405, 406, 407**

**Associated Equipment**

EP	EU	ID#	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
400	400	AMU7	Air Make-Up Unit 7 – Mill 2	Natural Gas	10 MMBtu/hr	None	--
405	405	356-3250	Pulper Building AMU #1	Natural Gas	10.44 MMBtu/hr	None	--
406	406	356-3255	Pulper Building AMU #2	Natural Gas	10.44 MMBtu/hr	None	--
407	407	AMU10	Air Make-Up Unit 10 – Mill 2	Natural Gas	10.75 MMBtu/hr	None	--

**Applicable Requirements**

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

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

**Emission Limits**

EP	Pollutant	Emission Limit(s)	Authority for Requirement
400 405 406 407	Opacity	20%	LCO Sec. 10-60(a)
		No Visible Emissions	LCO Sec. 10-58(b)(6) LCPH ATI 6688 / PTO 6979-R1 LCPH ATI 7207 / PTO 6977-R1 LCPH ATI 7208 / PTO 6978-R1 LCPH ATI 7209 / PTO 6980-R1
	PM	0.29 lb/MMBtu	LCO Sec. 10-61(a)(3) LCO Sec. 10-61(b)(2) LCPH ATI 6688 / PTO 6979-R1 LCPH ATI 7207 / PTO 6977-R1 LCPH ATI 7208 / PTO 6978-R1 LCPH ATI 7209 / PTO 6980-R1
	SO <sub>2</sub>	500 ppm <sub>v</sub>	567 IAC 23.3(3)"c"(e) LCO Sec. 10-65(a)(2) LCPH ATI 6688 / PTO 6979-R1 LCPH ATI 7207 / PTO 6977-R1 LCPH ATI 7208 / PTO 6978-R1 LCPH ATI 7209 / PTO 6980-R1
400	PM/PM <sub>10</sub>	0.075 lb/hr	LCPH ATI 6688 / PTO 6979-R1
405	PM/PM <sub>10</sub>	0.078 lb/hr	LCPH ATI 7207 / PTO 6977-R1
406	PM/PM <sub>10</sub>	0.078 lb/hr	LCPH ATI 7208 / PTO 6978-R1
407	PM/PM <sub>10</sub>	0.080 lb/hr	LCPH ATI 7209 / PTO 6980-R1

**Operational Limits & Requirements**

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

**Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

EP	LCPH ATI / PTO	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Exhaust Temp. (°F)	Exhaust Flowrate (acfm)
400	6688 / 6979	--	Indoor	--	--	Unknown
405	7207 / 6977	--	Indoor	--	--	100,000
406	7208 / 6978	--	Indoor	--	--	100,000
407	7209 / 6980	--	Indoor	--	--	Unknown

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 Operation & 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 22.108(3)

**Emission Point ID Number: 401, 402, 403, 404**

**Associated Equipment**

EP	EU	ID#	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
401	401	--	No. 1 PM Mill Water Cooling Tower	Cooling Water	150,000 gph	CE401	Drift Eliminator
402	402	--	No. 1 PM Vacuum Cooling Tower	Cooling Water	105,000 gph	CE402	Drift Eliminator
403	403	--	No. 2 PM Mill Water Cooling Tower	Cooling Water	258,000 gph	CE403	Drift Eliminator
404	404	--	No. 2 PM Vacuum Cooling Tower	Cooling Water	105,000 gph	CE404	Drift Eliminator

**Applicable Requirements**

**Emission Limits (lb. /hr, gr. /dscf, lb./MMBtu, % opacity, etc.)**

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

**Emission Limits**

EP	Pollutant	Emission Limit(s)	Authority for Requirement
401	PM/PM <sub>10</sub>	1.02 lb/hr	LCPH ATI 6369 / PTO 6130
402	PM/PM <sub>10</sub>	12.07 lb/hr	LCPH ATI 6370 / PTO 6131
403	PM/PM <sub>10</sub>	2.14 lb/hr	LCPH ATI 6371 / PTO 6132
404	PM/PM <sub>10</sub>	14.21lb/hr	LCPH ATI 6372 / PTO 6133
401	Opacity	20%	LCO Sec. 10-60(a)
402	PM	0.1 gr/dscf	567 IAC 23.3(2)"a" LCO Sec. 10-62(a)
403			
404			

**Operational Limits & Requirements**

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

**Control Device**

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 5459 / PTO 5453-R1

**Federal Standards**

A. National Emission Standards for Hazardous Air Pollutants (NESHAP):

The following subparts apply to the emission unit(s) in this permit:

EU ID	Subpart	Title	Type	Local Reference (LCO Sec.)	Federal Reference (40 CFR)
401	A	General Conditions	--	10-62(d)(1)	§63.1 – §63.15
402	Q	National Emissions Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers	New	10-62(d)(17)	§63.400 - §63.407
403					
404					

Authority for Requirement: LCO Sec. 10-62(d)(17)

**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 [See Table 1] triggers requirements to take prompt action to identify and correct equipment and operational conditions causing or contributing to elevated levels of TDS. Failure to investigate and take prompt actions to reduce elevated TDS concentrations or failure to conduct follow up confirmation sampling and analysis following corrective actions as described in



"Operating Condition Monitoring and Recordkeeping" of this permit is considered an excess emissions event and a violation of the permit.

**Cooling Towers Table 1**

<b>Emission Point</b>	<b>TDS Concentration</b>
401	8,153 ppmw
402	137,883 ppmw
403	7,650 ppmw
404	162,270 ppmw

Authority for Requirement: LCPH ATI 6369 / PTO 6130; LCPH ATI 6370 / PTO 6131  
LCPH ATI 6371 / PTO 6132; LCPH ATI 6372 / PTO 6133

**Operating Condition Monitoring & Recordkeeping**

All records as required by these permits shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. 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 material 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 [See Cooling Towers Table 1] during any sampling event, 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 monthly 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 tower 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 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 6369 / PTO 6130; LCPH ATI 6370 / PTO 6131  
LCPH ATI 6371 / PTO 6132; LCPH ATI 6372 / PTO 6133

**Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

<b>EP</b>	<b>LCPH ATI / PTO</b>	<b>Stack Height (feet, above ground)</b>	<b>Discharge Style</b>	<b>Stack Opening (inches, dia.)</b>	<b>Exhaust Temp. (°F)</b>	<b>Exhaust Flowrate (scfm)</b>
401	6369 / 6130	22.2	Vertical, unobstructed	168	62	143,950
402	6370 / 6131	19.2	Vertical, unobstructed	129	95	103,700
403	6371 / 6132	24.7	Vertical, unobstructed	240	62	302,580
404	6372 / 6133	26	Vertical, unobstructed	240	95	302,580

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 Operation & 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 22.108(3)

**Emission Point ID Number: 500, 501, 502, 503**

EP	EU	ID#	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
500	501A	520-7700	PM #1 High Density Chest Exhaust Fan	Pulp	139,800 gph	None	--
501	501B	520-7700	PM #1 Low Density Chest Exhaust Fan	Pulp	139,800 gph	None	--
502	502	--	PM #2 Bottom Sheet High Density Chest Exhaust Fan	Pulp	112,200 gph	None	--
503	503	--	PM #2 Top Sheet High Density Chest Exhaust Fan	Pulp	60,600 gph	None	--

**Applicable Requirements**

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement
500 501 502 503	PM	0.1 gr/dscf	567 IAC 23.3(2)"a" LCO Sec. 10-62(a) LCPH ATI 6582 / PTO 6407 LCPH ATI 6583 / PTO 6408 LCPH ATI 6584 / PTO 6409 LCPH ATI 6585 / PTO 6410
	Opacity	20%	LCO Sec. 10-60(a) LCPH ATI 6582 / PTO 6407 LCPH ATI 6583 / PTO 6408 LCPH ATI 6584 / PTO 6409 LCPH ATI 6585 / PTO 6410

**Operational Limits & Requirements**

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

**Operating Condition Monitoring & Recordkeeping**

All records as required by these permits shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. 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 point shall conform to the specifications listed below.*

EP	LCPH ATI / PTO	Stack Height (ft agl)	Discharge Style	Stack Opening (inches, dia.)	Exhaust Temp. (°F)	Exhaust Flowrate (acfm)
500	6582 / 6407	84	Vertical, unobstructed	3	100	Passive
501	6583 / 6408	85.25	Vertical, unobstructed	8	100	Passive
502	6584 / 6409	85.25	Vertical, unobstructed	6	100	Passive
503	6585 / 6410	85.25	Vertical, unobstructed	6	100	Passive

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**

See Appendix D, Opacity Monitoring Summary.

Authority for Requirement: 567 IAC 22.108(14)

**Agency Approved Operation & 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 22.108(3)

**Emission Point ID Number: 90**

**Associated Equipment**

EP	EU	ID#	Emission Unit Description	Raw Material	Maximum Design Capacity	CE IDD	CE Description
90	90	--	Sump Pump Engine	Diesel Fuel	80 bhp 0.20 MMBtu/hr	None	--

**Applicable Requirements**

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
90	NMHC + NO <sub>x</sub>	7.5 grams/kW-hr (5.6 grams/HP-hr)	40 CFR §60.4205(b)	CI 3
	CO	5.0 grams/kW-hr (3.7 grams/HP-hr)		
	PM	0.40 grams/kW-hr (0.30 grams/HP-hr)		
	SO <sub>2</sub>	1.5 lb/MMBtu	LCO Sec. 10-65(a)(1)(b)	
	Opacity	20%	LCO Sec. 10-60(a)	

**Operational Limits & 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:

EU ID	Subpart	Title	Type	Local Reference (LCCO Sec.)	Federal Reference (40 CFR)
90	A	General Conditions	NA	10-62(b)	§60.1 – §60.19
	III	Stationary Compression Ignition Internal Combustion Engines	New Emergency Engine	10-62(b)(77)	§60.4200 – §60.4219

Pursuant to 40 CFR §60.4200, the requirements of NSPS Subpart III are applicable to manufacturers, owners, and operators of stationary CI engines. For the purposes of this registration, applicability has been limited to owners and operators of stationary CI engines.

B. National Emission Standards for Hazardous Air Pollutants (NESHAP):

The following subparts apply to this facility:

EU ID	Subpart	Title	Type	Local Reference (LCCO Sec.)	Federal Reference (40 CFR)
90	ZZZZ	Stationary Reciprocating Internal Combustion Engines	New Emergency Engine	10-62(d)(104)	§63.6580 – §63.6675

A stationary CI engine that subject to NSPS Subpart III shall comply with the requirements of NESHAP Subpart ZZZZ by complying with the requirements of NSPS Subpart III.

Authority for Requirement: LCPH Registration Permit CI-3

**Operating Requirements with Associated Monitoring and Recordkeeping**

All records as required by these permits shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. 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 this form. The engine must be installed and configured according the manufacturer's specifications.
  - 1. 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 for convenience.
- B. The owner or operator must demonstrate compliance with the emission standards of NSPS Subpart IIII according to one of the following methods:
  - 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.
- 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.
- 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 of 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 hours per year. There is no time limit for use in emergency situations.
- G. Operation other than that specified in Condition "Operating Requirements with Associated Monitoring and Recordkeeping" F 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: 40 CFR 60 Subpart IIII

**Monitoring Requirements**

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

**Agency Approved Operation & 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 22.108(3)

**Emission Point ID Number: 91**

**Associated Equipment**

EP	EU	ID#	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
91	91	--	Fire Pump Engine	Diesel Fuel	208 bhp 0.51 MMBtu/hr	None	--

**Applicable Requirements**

**Operational Limits & 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 following subparts apply to the emission unit(s) in this permit:

EU ID	Subpart	Title	Type	Local Reference (LCO Sec.)	Federal Reference (40 CFR)
91	ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	Existing Fire Pump	10-62(d)(104)	§63.6580 - §63.6675

Authority for Requirement: 567 IAC 23.1(4)"cz"

**Operation and Maintenance Requirements 40 CFR §63.6603, §63.6625, §63.6640 and Tables 2d and 6 to Subpart ZZZZ**

1. Change oil and filter every 500 hours of operation or annually, whichever comes first. (See §63.6625(i) for the oil analysis option to extend time frame of requirements.)
2. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first, and replace as necessary.
3. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
4. 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.
5. Install a non-resettable hour meter if one is not already installed.
6. 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)**

1. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations (*up to*) 50 hours per year is prohibited.
2. There is no time limit on the use of emergency stationary RICE in emergency situations.
3. 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.
4. You may operate your emergency stationary RICE up to 50 hours per calendar year for non-emergency situations, but those 50 hours are counted toward the 100 hours of maintenance and testing. Except as provided in 40 CFR §63.6640(f)(4)(i) and (ii), 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

1. Keep records of the maintenance conducted on the stationary RICE.
2. 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 2d to Subpart ZZZZ

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

Authority for Requirement: 40 CFR 63 Subpart ZZZZ; 567 IAC 23.1(4)"cz"

**Monitoring Requirements**

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

**Agency Approved Operation & 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 22.108(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 22 and Linn County Code of Ordinance (LCO) 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 22.108(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 22.105 (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 22.108 (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 22.108 (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 22.108 (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 22.108(15)"c"*

### G2. Permit Expiration

1. Except as provided in rule 567—22.104(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—22.105(455B). *567 IAC 22.116(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 22.105(2)*. *567 IAC 22.105*

### 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 22.107 (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 22.108 (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 22.107(4)*. The semi-annual monitoring report shall be submitted to the director and Linn County Public Health Air Quality Division. *567 IAC 22.108 (5)*

#### **G6. Annual Fee**

1. The permittee is required under subrule *567 IAC 22.106* 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 22.115(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 22.108 (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 22.108 (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 22.108(4), 567 IAC 22.108(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 22;
  - 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 22.
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 22.108(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.
  - c. 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 24.1(1)-567 IAC 24.1(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 22.108(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 22.108(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 22.
  - 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—22.140(455B) through 567 - 22.144(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
  - vii. Any permit term or condition no longer applicable as a result of the change. *567 IAC 22.110(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 22.110(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 22.110(1). *567 IAC 22.110(3)*
  4. The permit shield provided in subrule 22.108(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 22.110(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 22.108(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 - 22.113(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 22.107(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 22.107(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 22.112(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 22, 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 22.111-567 IAC 22.113*

#### **G19. Duty to Obtain Construction Permits**

Unless exempted in 567 IAC 22.1(2) or to meet the parameters established in 567 IAC 22.1(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 LCO 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 LCO 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. Exceedences 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 22.108(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 22.108(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.
  - b. 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 22.108(17)"a"*, *567 IAC 22.108(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 22.114(1)*
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 22.114(2)*
  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 22.114(3)*

### **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 22.108 (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 22.108 (8) and LCO Sec. 1-7*

### **G27. Property Rights**

The permit does not convey any property rights of any sort, or any exclusive privilege. *567 IAC 22.108 (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 22.111(1). 567 IAC 22.111 (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:

Stack Test Review Coordinator  
Iowa DNR, Air Quality Bureau  
Wallace State Office Building  
502 E 9<sup>th</sup> St.  
Des Moines, IA 50319-0034  
(515) 725-9526

Within Linn County, stack test notifications, reports and correspondence shall also be directed to the supervisor of the county air pollution program.

*567 IAC 25.1(7)"a", 567 IAC 25.1(9) and LCO 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  
Wallace State Office Building  
502 E 9<sup>th</sup> St.  
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 6<sup>th</sup> Street SE  
Cedar Rapids, IA 52401  
(319) 892-6000

## V. Appendices

## **APPENDIX A – Applicable Federal Standards**

### **40 CFR Part 60, Subpart A** – *General Provisions*

### **40 CFR Part 60 Subpart IIII** – *Standards of Performance for Stationary Compression Ignition Internal Combustion Engines*

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

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

### **40 CFR Part 60, Subpart A** – *General Provisions*

### **40 CFR 63 Subpart Q** – *National Emission Standards for Hazardous Air Pollutants for Industrial Process Cooling Towers*

### **40 CFR Part 63, Subpart ZZZZ** – *National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines*

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

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

## **APPENDIX B – CAM Plan(s) Summary**

There are no emission units subject to a CAM plan in this renewal permit.

## **APPENDIX C – Facility O&M Plan(s) Summary**

The are no emission units subject to a Facility O&M plan in this renewal permit.

## APPENDIX D – Opacity Monitoring Summary

### Opacity Monitoring

The facility shall check the opacity periodically during a period when the emission unit(s) associated with the emission point listed in Opacity Monitoring Tables 1 and 2 is operating 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 operations 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 > 20% is observed from an emission point listed in Opacity Monitoring Table 1, 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 for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

**Opacity Monitoring Table 1**

Emission Point									
Monthly									
104	105	106	107	108	109	110	111	112	113
114	115	116	117	118	119	120	121	122	123
124	131	132	133	201	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	249	250	500	501	502	503		
Each Fill Event									
300	301								

If an opacity > 0% (i.e., visible emissions) is observed from an emission point listed in Opacity Monitoring Table 2, this would be a violation and corrective action will be taken as soon as possible, but no later than eight 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 the opacity observations at approximately 2-hour intervals throughout the date. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

**Opacity Monitoring Table 2**

Emission Point			
Monthly			
402	403	404	405

Authority for Requirement: 567 IAC 22.108(14)

## APPENDIX E – Stack Testing Summary

EP	EU Description	Pollutant	Compliance Methodology	Completion Deadline	Test Method

There are no emission units required to conduct a stack test in this renewal permit.

Authority for Requirement: 567 IAC 22.108(3)