

**Iowa Department of Natural Resources
Title V Operating Permit**

Name of Permitted Facility: GM Cereal Properties, Inc.

**Facility Location: 4800 Edgewood Road SW
Cedar Rapids, IA 52404**

Air Quality Operating Permit Number: 04-TV-016R2

Expiration Date: June 26, 2024

Permit Renewal Application Deadline: December 26, 2023

EIQ Number: 92-9085

Facility File Number: 57-01-012

Responsible Official

Name: Mr. Rue Patel

Title: Plant Manager

Mailing Address: PO Box 3007, Cedar Rapids, IA 52406-3007

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Permit Contact Person for the Facility

Name: Ms. Katie Cargin

Title: Environmental Manager

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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



6/27/2019

Lori Hanson, Supervisor of Air Operating Permits Section

Date

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Abbreviations

acfm.....	actual cubic feet per minute
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
gr./100 cf.....	grains per one hundred cubic feet
IAC.....	Iowa Administrative Code
IDNR.....	Iowa Department of Natural Resources
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
TPY.....	tons per year
USEPA.....	United States Environmental Protection Agency

Pollutants

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

I. Facility Description and Equipment List

Facility Name: GM Cereal Properties, Inc.

Permit Number: 04-TV-016R2

Facility Description: Breakfast Cereal Manufacturing Facility (SIC 2043)

Equipment List

Emission Point Number	Emission Unit Number	Associated Emission Unit Description	LCPH ATI / PTO Numbers
1	EU001A	Boiler #1 (Natural Gas)	40B / 4581R2
	EU001B	Boiler #1 (Propane)	
2	EU002A	Boiler #2 (Natural Gas)	40B / 4582R2
	EU002B	Boiler #2 (Propane)	
102	EU102	Dryer	4324 / 4520R3
103	EU103	Dryer	5826 / 5564R2
104	EU104	Cookers	4931 / 5023R3
105	EU105	Product Receiver	6228 / 6006
107	EU107	Shaper	6930 / 6701R1
	EU177A	Dryer	
108	EU108	Shaper	6931 / 6702R1
	EU177B	Dryer	
109	EU109	Shaper	6887 / 6703R1
	EU138A	Dryer	
125	EU125	Slurry	4329 / 4523R2
130	EU130	Dryer	5719 / 5961R2
132	EU132A	Gas Fired Preheater (Natural Gas)	6178 / 5939
	EU132B	Gas Fired Preheater (Propane)	
134	EU134	Dryer	5721 / 5963R2
135	EU135	Shaper	6888 / 6704R1
	EU138B	Dryer	
137	EU137	Dryer	5700 / 5965R2
138	EU138	Dryer	5947 / 5683R2
139	EU139A	Gas Fired Preheater (Natural Gas)	2317 / 4601R2
	EU139B	Gas Fired Preheater (Propane)	
140	EU140A	Gas Fired Preheater (Natural Gas)	2316 / 4602R1
	EU140B	Gas Fired Preheater (Propane)	
141	EU141A	Gas Fired Preheater (Natural Gas)	2324 / 4603R2
	EU141B	Gas Fired Preheater (Propane)	
145	EU145	Shaper	6932 / 6699R1
	EU177C	Dryer	
146	EU146	Shaper	6889 / 6697R1
	EU138C	Dryer	
147	EU147	Shaper	6890 / 6698R1
	EU138D	Dryer	
148	EU148	Liquid Mix	5827 / 5565R2

Emission Point Number	Emission Unit Number	Associated Emission Unit Description	LCPH ATI / PTO Numbers
150	EU150A	Gas Fired Preheater (Natural Gas)	5818 / 5566R1
	EU150B	Gas Fired Preheater (Propane)	
151	EU151A	Gas Fired Preheater (Natural Gas)	6179 / 5940
	EU151B	Gas Fired Preheater (Propane)	
152	EU152	Base Bin	5374 / 5375R2
159	EU159	Propane Gas Feed Vaporizer	6633 / 6470
160	EU160	Central Vacuum System	6233 / 6007
161	EU161	Dryer	5141 / 5087R3
162	EU162	Standby Generator	6234 / 6008
164	EU164A	Gas Fired Preheater (Natural Gas)	6621 / 6458
	EU164B	Gas Fired Preheater (Propane)	
166	EU166A	Shop Emergency Generator (Standby) (Natural Gas)	6236 / 6010
	EU166B	Shop Emergency Generator (Standby) (Propane)	
167	EU167	Standby Diesel Generator	6237 / 6011
168	EU168	Extruder	5863 / 5772R2
169	EU169	Pelletizer	5864 / 5773R2
170	EU170	Dryer	5865 / 5774R3
171	EU171	Preheater	6744 / 6530R2
172	EU172	Heater	5867 / 5776R1
173	EU173	Dryer	5868 / 5777R2
174	EU174	Mix	5869 / 5778R2
175	EU175	Dryer	5870 / 5779R3
176	EU176	Cooler	5871 / 5780R3
177	EU177	Dryer	5948 / 5684R2
178	EU178	Water Heater	5979 / 5781
179	EU179	Propane Burner	6002 / 5720R2
180	EU180	Product Receiver	6436 / 6219R1
181	EU181A	MCC Emergency Generator 200 kW (Natural Gas)	6297 / 6135R1
182	EU182A	Cooker	6743 / 6553R1
	EU182B	Cooker	
183	EU183	Packaging Dust Collector	6751 / 6554
184	EU184	Emergency Fire Pump	--/--
200	EU200	Product Receiver	6238 / 6012R1
305	EU305	Dryer	5980 / 5662
306	EU306	Dryer	5981 / 5663
307	EU307	Standby Generator 500 kW	4607 / 4762
308	EU308A	Product Receiver	7228 / 6939
	EU308B	Product Receiver	
	EU308C	Product Receiver	
309	EU309A	Dryer	7060 / 6816
	EU309B	Dryer	
	EU309E	Dryer	
	EU309F	Dryer	
310	EU310	Receiver	6038 / 5771
313	EU313A	Boiler #3 (Natural Gas)	2533 / 4583R2
	EU313B	Boiler #3 (Propane)	
321	EU321A	Water Heater (Natural Gas)	3886 / 4584R2
	EU321B	Water Heater (Propane)	

Emission Point Number	Emission Unit Number	Associated Emission Unit Description	LCPH ATI / PTO Numbers
322	EU322A	Water Heater (Natural Gas)	3887 / 4585R2
	EU322B	Water Heater (Propane)	
324	EU309C	Dryer	6796 / 6579
	EU309D	Dryer	
325	EU325	Dryer	7240 / 6968
326	EU326	Dryer	7241 / 6969
327	EU327A	Boiler #4 (Natural Gas)	4009 / 4586R2
	EU327B	Boiler #4 (Propane)	
330	EU330	Standby Generator	4144 / 4644R4
339	EU339	Material Conditioner	5724 / 5542R1
340	EU340	Packaging Dust Collector	6661 / 6496
344	EU344	Packaging System	7169 / 6932
400	EU400	F-2 Condenser #4	5509 / 5377
500	EU500	C-1 Condenser #2	5688 / 5522
501	EU501	Condenser #3	5862 / 5755
502	EU502	C-1 Condenser #4	6384 / 6117R1
600	EU600	Receiver	6390 / 6118
601	EU601A	Ingredient Weigh Platform	7253 / 6966
	EU601B	Supersack Unloading	
700	EU700	Receiver	5828 / 5619
701	EU701	Receiver	5830 / 5620
702	EU702	Receiver	5882 / 5891
703	EU703	Receiver	5883 / 5892
704	EU704	Receiver	5884 / 5893
705	EU705	Receiver	5885 / 5894
706	EU706	Receiver	5886 / 5721
707	EU707	Receiver	5887 / 5722
708	EU708	Receiver	5888 / 5723
709	EU709	Hopper	5889 / 5724
710	EU710	Bag Dump	5890 / 5725
711	EU711	Bag Dump	5891 / 5726
712	EU712	Bag Dump	5892 / 5895
713	EU713	Receiver	5893 / 5727
714	EU714	Receiver	5894 / 5896
715	EU715A	Mixer	5895 / 5897
	EU715B	Receiver	
	EU715C	Bin	
716	EU716A	Product Receiver	6027 / 5898
	EU716B	Blowers and Aspirator	
	EU71C	Blower	
	EU716D	Blower	
717	EU717A	Blower	5897 / 5899
	EU717B	Bins	
	EU717C	Bins	
718	EU718	Blower	5898 / 5900
719	EU719	Receiver	5899 / 5901
720	EU720	Super Sack	5900 / 5902

Emission Point Number	Emission Unit Number	Associated Emission Unit Description	LCPH ATI / PTO Numbers
721	EU721	Receiver	5901 / 5728
722	EU722	Receiver	5902 / 5729
723	EU723	Receiver	5903 / 5903
724	EU724	Airlock	5904 / 5730R1
725	EU725	Air Classifier	5905 / 5904
726	EU726A	Bins	5906 / 5905
	EU726B	Bins	
	EU726C	Bins	
727	EU727A	Bins (2)	5907 / 5731
	EU727B	Receiver	
728	EU728	Bins (2)	5908 / 5732
729	EU729	Receiver	5909 / 5733
730	EU730	Receiver	5910 / 5734
731	EU731	Receiver	5911 / 5735
732	EU732	Receiver	5912 / 5736
733	EU733	Hopper	5949 / 5906
734	EU734	Hopper	5950 / 5907R1
735	EU735	Hopper	5951 / 5908R1
736	EU736	Hopper	5952 / 5909R1
737	EU737	Multiple Pickups	5953 / 5737
738	EU738	Hopper	5954 / 5910
739	EU739	Weigh Station	5970 / 5911
740	EU740	Bead Blaster	5971 / 5912
741	EU741	Receiver	6111 / 5922
742	EU742	Grinder	6177 / 5951
744	EU744	Receiver	6262 / 6083
745	EU745	Cereal Blending System	6529 / 6435
746	EU746	RTC Filter and Hopper	6934 / 6700
747	EU747A	Baggers 1	7254 / 6967
	EU747B	Baggers 2	
	EU747C	Baggers 3	
	EU747D	Baggers 4	
	EU747E	Baggers 5	
	EU747F	Baggers 6	
800	EU800	Receiver	6391 / 6218R1
801	EU801	Receiver	6595 / 6490
802	EU802	Receiver	6596 / 6491
803	EU803	Dust Collector	6597 / 6492
804	EU804	Bag Dump	6598 / 6493
805	EU805	Receiver	6599 / 6494
806	EU806	Vacuum System	6603 / 6495
807	EU807	Starch Receiver	7061 / 6835
808	EU808	Starch Hopper	7076 / 6836

Insignificant Equipment List

Insignificant Emission Unit Number	Insignificant Emission Unit Description
INSFUG2	Maintenance Sand Blasting Areas
INSFUG3	Maintenance Welding Areas
INSFUG4	Multiple Dust Collectors Exhausting Inside Plant – Non-Permitted Points
INSFUG5	By Products Load Out
INSFUG6	Maintenance Parts Washers
INSFUG7	Ink Jet Coders
INSFUG8	Effluent Neutralization Tank
INSFUG9	Cleaning Chemical Storage
INSFUG10	Case Code Daters
INSFUG11	Multiple Case Gluers
INSFUG12	Container Laser Coding
INSFUG13	Label Printers for Pallets
INSFUG14	Vacuum Pump Exhausts
INSFUG15	Diesel Fuel Storage Tanks
INSFUG16	Skimmer Tanks
INSFUG17	Used Oil Tanks
INSFUG19	Gluing at Unitizers
INSFUG20	Forklift Battery Charging
INSFUG21	Air Drying Equipment
INSFUG22	Maintenance Painting
INSFUG23	Wash Rack Exhausts
INSFUG24	Knife Blade Sharpener
INSFUG25	Rail Switch Heater

II. Plant-Wide Conditions

Facility Name: **GM Cereal Properties, Inc.**

Permit Number: 04-TV-016R2

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

Permit Duration

The term of this permit is: less than 5 years

Commencing on: June 27, 2019

Ending on: June 26, 2024

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.

Plant-Wide Emission Limits

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

Combustion Bubble Limit

Nitrogen Oxide (NO_x): 235 tpy

This emission limit shall apply to the following emission points:

Emission Unit	Emission Point Description	Nitrogen Oxide (NO _x)	Authority for Requirement
EU001	Boiler #1	235 tpy	LCPH ATI 40B / PTO 4581R2
EU002	Boiler #2	235 tpy	LCPH ATI 40B / PTO 4582R2
EU132	Gas Fired Preheater	235 tpy	LCPH ATI 6178 / PTO 5939
EU139	Gas Fired Preheater	235 tpy	LCPH ATI 2317 / PTO 4601R2
EU140	Gas Fired Preheater	235 tpy	LCPH ATI 2316 / PTO 4602R1
EU141	Gas Fired Preheater	235 tpy	LCPH ATI 2324 / PTO 4603R2
EU150	Gas Fired Preheater	235 tpy	LCPH ATI 5818 / PTO 5566R1
EU151	Gas Fired Preheater	235 tpy	LCPH ATI 6179 / PTO 5940
EU159	Propane Gas Feeder Vaporizer	235 tpy	LCPH ATI 6633 / PTO 6470
EU162	Standby Diesel Generator 800 eKW	235 tpy	LCPH ATI 6234 / PTO 6008
EU164	Gas Fired Preheater	235 tpy	LCPH ATI 6621 / PTO 6458
EU166	Shop Emergency Generator (Standby)	235 tpy	LCPH ATI 6236 / PTO 6010
EU167	Standby Generator 800 kW	235 tpy	LCPH ATI 6237 / PTO 6011
EU172	Heater	235 tpy	LCPH ATI 5867 / PTO 5776R1
EU178	Water Heater	235 tpy	LCPH ATI 5979 / PTO 5781
EU179	Propane Purge Burner	235 tpy	LCPH ATI 6002 / PTO 5720R2
EU181	MCC Emergency Generator 200 kW Natural Gas	235 tpy	LCPH ATI 6297/ PTO 6135R1

Emission Unit	Emission Point Description	Nitrogen Oxide (NOx)	Authority for Requirement
EU307	Standby Generator 500 kW	235 tpy	LCPH ATI 4607 / PTO 4762
EU313	Boiler #3	235 tpy	LCPH ATI 2533 / PTO 4583R2
EU321	Water Heater	235 tpy	LCPH ATI 3886 / PTO 4584R2
EU322	Water Heater	235 tpy	LCPH ATI 3887 / PTO 4585R2
EU327	Boiler #4	235 tpy	LCPH ATI 4009 / PTO 4586R2
EU330	Backup Diesel Generator	235 tpy	LCPH ATI 4144 / PTO 4644R4

Facility Operating Limits

- Propane usage shall be limited to 12,000,000 gallons per year based on a 12-month rolling total.
- Emission units shall only use natural gas, propane and/or diesel fuel.

Facility Bubble Permit Recordkeeping Requirements

- Track on a monthly basis the total gallons of propane used and calculate propane fuel usage using a 12-month rolling total for all emission points in the NOx bubble permit.
- Calculate on a monthly basis the total NOx emissions from burning propane for emission sources in the NOx bubble permit. Apply this to a 12-month rolling total for NOx sources.
- Track on a monthly basis the total amount of natural gas used and calculate natural gas fuel usage using a 12-month rolling total for all emission points in the NOx bubble permit.
- Calculate on a monthly basis the total NOx emissions from burning natural gas for emission sources identified in the NOx bubble permit. Apply this to a 12-month rolling total for NOx sources.
- Track on a monthly basis the total amount of diesel fuel used and calculate diesel fuel usage using a 12-month rolling total for all emission points in the NOx bubble permit.
- Calculate on a monthly basis the total NOx emissions from burning diesel fuel for emission sources in the NOx bubble permit. Apply this to a 12-month rolling total for NOx sources.

Facility Reporting

The following information shall be submitted to this department by the 30th of each month for the previous quarter (January 30, April 30, July 30 and October 30).

- Submit a quarterly report summarizing the facility's 12-month rolling NOx emission totals for emission sources in the bubble permit.
- Submit a quarterly report summarizing the facility's propane usage based on a 12-month rolling total.

Emission Unit	Operating Limits	Recordkeeping Requirements	Reporting	Authority for Requirement
EU001	12,000,000 gal/yr propane	Monthly fuel usage and emissions calculations.	Quarterly propane use & NO _x emissions	LCPH ATI 40B / PTO 4581R2
EU002	12,000,000 gal/yr propane	Monthly fuel usage and emissions calculations.	Quarterly propane use & NO _x emissions	LCPH ATI 40B / PTO 4582R2
EU132	12,000,000 gal/yr propane	Monthly fuel usage and emissions calculations.	Quarterly propane use & NO _x emissions	LCPH ATI 6178 / PTO 5939
EU139	12,000,000 gal/yr propane	Monthly fuel usage and emissions calculations.	Quarterly propane use & NO _x emissions	LCPH ATI 2317 / PTO 4601R2
EU140	12,000,000 gal/yr propane	Monthly fuel usage and emissions calculations.	Quarterly propane use & NO _x emissions	LCPH ATI 2316 / PTO 4602R1

Emission Unit	Operating Limits	Recordkeeping Requirements	Reporting	Authority for Requirement
EU141	12,000,000 gal/yr propane	Monthly fuel usage and emissions calculations.	Quarterly propane use & NO _x emissions	LCPH ATI 2324 / PTO 4603R2
EU150	12,000,000 gal/yr propane	Monthly fuel usage and emissions calculations.	Quarterly propane use & NO _x emissions	LCPH ATI 5818 / PTO 5566R1
EU151	12,000,000 gal/yr propane	Monthly fuel usage and emissions calculations.	Quarterly propane use & NO _x emissions	LCPH ATI 6179 / PTO 5940
EU159	12,000,000 gal/yr propane	Monthly fuel usage and emissions calculations.	Quarterly propane use & NO _x emissions	LCPH ATI 6633 / PTO 6470
EU162	12,000,000 gal/yr propane	Monthly fuel usage and emissions calculations.	Quarterly propane use & NO _x emissions	LCPH ATI 6234 / PTO 6008
EU164	12,000,000 gal/yr propane	Monthly fuel usage and emissions calculations.	Quarterly propane use & NO _x emissions	LCPH ATI 6621 / PTO 6458
EU166	12,000,000 gal/yr propane	Monthly fuel usage and emissions calculations.	Quarterly propane use & NO _x emissions	LCPH ATI 6236 / PTO 6010
EU167	12,000,000 gal/yr propane	Monthly fuel usage and emissions calculations.	Quarterly propane use & NO _x emissions	LCPH ATI 6237/ PTO 6011
EU172	12,000,000 gal/yr propane	Monthly fuel usage and emissions calculations.	Quarterly propane use & NO _x emissions	LCPH ATI 5867 / PTO 5776R1
EU178	12,000,000 gal/yr propane	Monthly fuel usage and emissions calculations.	Quarterly propane use & NO _x emissions	LCPH ATI 5979 / PTO 5781
EU179	12,000,000 gal/yr propane	Monthly fuel usage and emissions calculations.	Quarterly propane use & NO _x emissions	LCPH ATI 6002 / PTO 5720R2
EU181	12,000,000 gal/yr propane	Monthly fuel usage and emissions calculations.	Quarterly propane use & NO _x emissions	LCPH ATI 6297 / PTO 6135R1
EU307	12,000,000 gal/hr propane	Monthly fuel usage and emissions calculations.	Quarterly propane use & NO _x emissions	LCPH ATI 4607 / PTO 4762
EU313	12,000,000 gal/yr propane	Monthly fuel usage and emissions calculations.	Quarterly propane use & NO _x emissions	LCPH ATI 2533 / PTO 4583R2
EU321	12,000,000 gal/yr propane	Monthly fuel usage and emissions calculations.	Quarterly propane use & NO _x emissions	LCPH ATI 3886 / PTO 4584R2
EU322	12,000,000 gal/yr propane	Monthly fuel usage and emissions calculations.	Quarterly propane use & NO _x emissions	LCPH ATI 3887 / PTO 4585R2
EU327	12,000,000 gal/yr propane	Monthly fuel usage and emissions calculations.	Quarterly propane use & NO _x emissions	LCPH ATI 4009 / PTO 4586R2
EU330	12,000,000 gal/yr propane	Monthly fuel usage and emissions calculations.	Quarterly propane use & NO _x emissions	LCPH ATI 4144 / PTO 4644R4

VOC Bubble Limit

Volatile Organic Compounds (VOC): 226 tpy

The following combined emission limits shall not be exceeded for the following emission points and all fugitive flavoring emissions:

Emission Unit	Volatile Organic Compounds (VOC)¹	Authority for Requirement
EU305	226 tpy	LCPH ATI 5980 / PTO 5662
EU306	226 tpy	LCPH ATI 5981 / PTO 5663

Emission Unit	Volatile Organic Compounds (VOC) ¹	Authority for Requirement
EU309A	226 tpy	LCPH ATI 7060 / PTO 6816
EU309B	226 tpy	LCPH ATI 7060 / PTO 6816
EU309C	226 tpy	LCPH ATI 6796 / PTO 6579
EU309D	226 tpy	LCPH ATI 6796 / PTO 6579
EU309E	226 tpy	LCPH ATI 7060 / PTO 6816
EU309F	226 tpy	LCPH ATI 7060 / PTO 6816
EU324C	226 tpy	LCPH ATI 6796 / PTO 6579
EU324D	226 tpy	LCPH ATI 6796 / PTO 6579
EU325	226 tpy	LCPH ATI 7240 / PTO 6968
EU326	226 tpy	LCPH ATI 7241 / PTO 6969

¹ The emission limit is based on a twelve (12) month rolling total.

Compliance Demonstration Table

EP	Pollutant	Compliance Methodology	Frequency	Test Run Time	Test Method
305 306 309	VOC	Mass Balance ²	Monthly	NA	NA
324 325 326	Propylene Glycol	Analysis ³	Biennial	NA	NA

² The amount of VOC emitted shall be tracked using a mass balance analysis based on ingredient flavors. When calculating VOC emissions from flavorings used at the facility, the facility will assume the following:

- A. 100% of the ethyl alcohol (EA) content is emitted in the process
- B. 100% of the propylene glycol (PG) content is retained in the product

³ Test one (1) fruit sample every other calendar year for retention of the propylene glycol.

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 Department. Records shall be legible and maintained in an orderly manner. The following operating requirements and associated recordkeeping:

- A. 94,000 pounds per year usage of flavorings with a maximum ethyl alcohol content of 100% (60.01% - 100.00%). The owner or operator shall monitor and record the pounds used of flavorings with an EA content above 60% (60.01% - 100.00%).
- B. 250,000 pounds per year usage of flavorings with a maximum ethyl alcohol content of 60% (25.01% - 60.00%). The owner or operator shall monitor and record the pounds used of flavorings with an EA content between 25% and 60% (25.01% - 60.00%).

- C. 800,000 pounds per year usage of flavorings with a maximum ethyl alcohol content of 25% (1.01% - 25.00%). The owner or operator shall monitor and record the pounds used of flavorings with an EA content between 1% and 25% (1.01% - 25.00%).
- D. 800,000 pounds per year usage of flavorings with a maximum ethyl alcohol content of 1% (0% - 1.00%). The owner or operator shall monitor and record the pounds used of flavorings with an EA content 1% or below (0 – 1.00%).
- E. "Operating Requirements and Associated Recordkeeping" Conditions A through D shall be tracked, calculated, recorded, and applied to a 12-month rolling total.
- F. The owner or operator may substitute, change or add any food grade ingredient to any of its manufacturing processes as necessary within the facility operating limits.
- G. The owner or operator shall monitor and record VOC emissions associated to flavoring use for all VOC flavoring sources.
- H. The owner or operator must keep records of the VOC content of each flavoring product.
- I. The owner or operator must track once a calendar year the total use of propylene glycol.
- J. To verify the ingredient inventory, the following will be required to be recorded:
 - 1. Inventory will be counted monthly
 - 2. Record flavoring usage on a monthly basis

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

Opacity (visible emissions): 40% opacity

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

Opacity (visible emissions): 20% opacity

Authority for Requirement: LCCO Sec. 10-60

Sulfur Dioxide (SO₂): 500 parts per million by volume

Authority for Requirement: 567 IAC 23.3(3)"e"
LCCO Sec. 10-65(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 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".

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

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

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

Regulatory Authority

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

Authority for Requirement: 567 IAC 22.108

III. Emission Point-Specific Conditions

Facility Name: **GM Cereal Properties, Inc.**

Permit Number: **04-TV-016R2**

Emission Point ID Number: 1

Associated Equipment

Associated Emission Unit ID Numbers: EU001

Emission Unit vented through this Emission Point: EU001

Emission Unit Description: Boiler #1

Raw Material/Fuel: Natural Gas, Propane

Rated Capacity: 40 MMBtu/hr

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.

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCPH ATI 40B / PTO 4581R2
LCCO Sec. 10-60

Pollutant: PM-10

Emission Limit(s): 0.30 lb/hr

Authority for Requirement: LCPH ATI 40B / PTO 4581R2

Pollutant: Particulate Matter

Emission Limit(s): 0.30 lb/hr

Authority for Requirement: LCPH ATI 40B / PTO 4581R2

Pollutant: Particulate Matter

Emission Limit(s): 0.3 lb/MMBtu

Authority for Requirement: LCPH ATI 40B / PTO 4581R2
LCCO Sec. 10-61(b)(2)

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 1.5 lbs/MMBTU (liquid fuel)

Authority for Requirement: LCPH ATI 40B / PTO 4581R2

Pollutant: Nitrogen Oxides (NO_x)

Emission Limit(s): 235 tpy

Authority for Requirement: LCPH ATI 40B / PTO 4581R2
See Plant-Wide Conditions for Plant-Wide NO_x limit.

Operational Limits & Requirements

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

See Plant-Wide Conditions section for Facility Operating Limits, Recordkeeping Requirements and Reporting Requirements that apply to this emission point.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

- Stack Height (ft, from ground): 78
- Discharge Style: Vertical, Obstructed
- Stack Opening (inches, diameter): 36
- Exhaust Temperature (°F): 450
- Exhaust Flowrate (scfm): 5,665
- Authority for Requirement: LCPH ATI 40B / PTO 4581R2

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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 years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight 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, 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 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.

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: 2**Associated Equipment**

Associated Emission Unit ID Numbers: EU002

Emission Unit vented through this Emission Point: EU002
Emission Unit Description: Boiler #2
Raw Material/Fuel: Natural Gas, Propane
Rated Capacity: 40 MMBtu/hr

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.

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCPH ATI 40B / PTO 4582R2
LCCO Sec. 10-60

Pollutant: PM-10

Emission Limit(s): 0.30 lb/hr

Authority for Requirement: LCPH ATI 40B / PTO 4582R2

Pollutant: Particulate Matter

Emission Limit(s): 0.30 lb/hr,

Authority for Requirement: LCPH ATI 40B / PTO 4582R2

Pollutant: Particulate Matter

Emission Limit(s): 0.3 lb/MMBtu

Authority for Requirement: LCCO Sec. 10-61(b)(2)

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 1.5 lbs/MMBTU (liquid fuel)

Authority for Requirement: LCPH ATI 40B / PTO 4582R2

Pollutant: Nitrogen Oxide (NO_x)

Emission Limit(s): 235 tpy

Authority for Requirement: LCPH ATI 40B / PTO 4582R2
See Plant-Wide Conditions for Plant-Wide NO_x limit.

Operational Limits & Requirements

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

See Plant-Wide Conditions section for Facility Operating Limits, Record keeping Requirements and Reporting Requirements that apply to this emission point.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

- Stack Height (ft, from ground): 78
- Discharge Style: Vertical, Obstructed
- Stack Opening (inches, diameter): 36
- Exhaust Temperature (°F): 450
- Exhaust Flowrate (scfm): 5,689
- Authority for Requirement: LCPH ATI 40B / PTO 4582R2

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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 years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight 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, 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 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.

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: 102, 103, 104, 107, 108, 109, 125, 130, 134, 135, 137, 138, 145, 146, 147, 148, 152. 161, 168, 169, 170, 171, 173, 174, 175, 176, 177, 182

Associated Equipment

EP#	EU#	EU Description	Raw Material	Rated Capacity	CE#	Control Equipment Description
102	102	Dryer	Finished Cereal	13.98 tons/hour	102	Scrubber – Ducon, Size 54 Model III; Type UW-3
103	103	Dryer	Finished Cereal	11.64 tons/hour	103	Scrubber – Ducon, Size 60 Model III; Type UW-3
104	104	Cookers	Wet Dough	10.25 tons/hour	104	Scrubber – Ducon, Size 66 Model III; Type UW-3
107	107	Shaper	Wet Dough	3.6 tons/hour	107	Scrubber – Ducon, Size 48; Type UW-3
	177 A	Dryer		3.6 tons/hour		
108	108	Shaper	Wet Dough	3.6 tons/hour	108	Scrubber – Ducon, Size 48; Type UW-3
	177	Dryer		3.6 tons/hour		
109	109	Shaper	Wet Dough	3.6 tons/hour	109	Scrubber – Ducon, Size 42; Type UW-3
	138 A	Dryer		3.6 tons/hour		
125	125	Product Mixers	Sweeteners	6.66 tons/hour	125	Scrubber – Clean Gas Systems, Size 24; Dynascrub 1
130	130	Dryer	Finished Cereal	10.3 tons/hour	130	Scrubber – Ducon, Size 36-60-72 Model III; Type UW-3
134	134	Dryer	Wet Dough	7.2 tons/hour	134	Scrubber – Ducon, Size 54; Type UW-3
135	135	Dryer	Wet Dough	3.6 tons/hour	135	Scrubber – Ducon, Size 42; Type UW-3
137	137	Dryer	Wet Dough	7.2 tons/hour	137	Scrubber – Clean Gas Systems, Dynascrub 1; Size 54
138	138 A	Dryer	Wet Dough	3.6 tons/hour	138	Scrubber – Ducon, Size 30 Model III; Type UW-3
	138 B	Dryer		3.6 tons/hour		
	138 C	Dryer		3.6 tons/hour		
	138 D	Dryer		3.6 tons/hour		
145	145	Dryer	Wet Dough	3.6 tons/hour	145	Scrubber – Ducon, Size 42; Type UW-3
146	146	Dryer	Wet Dough	3.6 tons/hour	146	Scrubber – Ducon, Size 42; Type UW-3
147	147	Dryer	Wet Dough	3.6 tons/hour	147	Scrubber – Ducon, Size 42; Type UW-3
148	148	Liquid Mix	Sweeteners	3.38 tons/hour	148	Scrubber – Ducon, Size 18 Model III; Type UW-3
152	152	Base Bin	In-Process Cereal	7.9 tons/hour	152	Scrubber – Ducon, Size 15; Type UW-3
161	161	Dryer	Wet Dough	10.25 tons/hour	161	Scrubber – Clean Gas Systems, Dynascrub 1; Size 29-66-29
168	168	Extruder	Wet Dough	4.53 tons/hour	168	Scrubber – Ducon, Model III; Type UW-3
169	169	Pelletizer	Wet Dough	4.53 tons/hour	169	Scrubber – Ducon, Model III; Type UW-3
170	170	Dryer	Wet Dough	3.6 tons/hour	170	Scrubber – Ducon, Model III; Type UW-3
171	171 A	Preheater	Wet Dough	3.6 tons/hour	171 A	Scrubber – Ducon, Model III; Type UW-3
	171 B	Shaper		3.6 tons/hour	171 B	
	171 C	Blower		3.6 tons/hour		
173	173	Dryer	Wet Dough	3.54 tons/hour	173	Scrubber – Ducon, Model III; Type UW-3
174	174 A	Mix	Wet Dough	3.63 tons/hour	174	Scrubber – Ducon, Model III; Type UW-3
	174 B	Slurry		3.63 tons/hour		
	174 C	Enrober		3.63 tons/hour		
175	175	Dryer	Wet Dough	7.17 tons/hour	175	Scrubber – Ducon, Model III; Type UW-3
176	176	Cooler	Wet Dough	6.42 tons/hour	176	Scrubber – Ducon, Model III; Type UW-3
177	177 A	Dryer	Wet Dough	10.8 tons/hour	177	Scrubber – Ducon, Size 24; Type UW-3
	177 B	Dryer		10.8 tons/hour		

EP#	EU#	EU Description	Raw Material	Rated Capacity	CE#	Control Equipment Description
	177 C	Dryer		10.8 tons/hour		
182	182 A	Cooker	Wet Dough	14.4 tons/hour	182	Scrubber – Ducon;Type UW-3
182	182 B	Cooker				

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	Authority for Requirement	Authority for Requirement
102	Opacity	20% ^{3,4}	LCCO Sec. 10-60(a)	LCPH 4324 / 4520R3
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCCO Sec. 10-62(a)(1)	
	PM/PM ₁₀	0.68 lbs/hr ¹		
103	Opacity	20% ^{3,4}	LCCO Sec. 10-60(a)	LCPH 5826 / 5564R2
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCCO Sec. 10-62(a)(1)	
	PM/PM ₁₀	0.84 lbs/hr ¹		
104	Opacity	20% ^{3,4}	LCCO Sec. 10-60(a)	LCPH 4931/ 5023R3
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCCO Sec. 10-62(a)(1)	
	PM/PM ₁₀	0.89 lbs/hr ¹		
107	Opacity	20% ^{3,4}	LCCO Sec. 10-60(a)	LCPH 6930 / 6701R1
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCCO Sec. 10-62(a)(1)	
	PM/PM ₁₀	1.11 lbs/hr ¹	NA	
108 109 135 145 146 147	Opacity	20% ^{3,4}	LCCO Sec. 10-60(a)	LCPH 6931 / 6702R1 LCPH 6887 / 6703R1 LCPH 6888 / 6704R1 LCPH 6932 / 6699R1 LCPH 6889 / 6697R1 LCPH 6890 / 6698R1
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCCO Sec. 10-62(a)(1)	
	PM/PM ₁₀	1.06 lbs/hr ¹		
125 148	Opacity	20% ^{3,4}	LCCO Sec. 10-60(a)	LCPH 4329 / 4523R2 LCPH5827 / 5565R2
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCCO Sec. 10-62(a)(1)	
	PM/PM ₁₀	0.12 lbs/hr ¹		
130	Opacity	20% ^{3,4}	LCCO Sec. 10-60(a)	LCPH 5719 / 5961R2
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCCO Sec. 10-62(a)(1)	
	PM/PM ₁₀	1.04 lbs/hr ¹		Requested Limit
134	Opacity	20% ^{3,4}	LCCO Sec. 10-60(a)	LCPH 5721 / 5963R2
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCCO Sec. 10-62(a)(1)	
	PM/PM ₁₀	0.63 lbs/hr ¹		
137	Opacity	20% ^{3,4}	LCCO Sec. 10-60(a)	LCPH 5700 / 5965R2
	PM	0.1 gr/dscf	LCCO Sec. 10-62(a)(1)	
	PM/PM ₁₀	0.60 lbs/hr ¹		
138	Opacity	20% ^{3,4}	LCCO Sec. 10-60(a)	LCPH 5947 /5683R2
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCCO Sec. 10-62(a)(1)	
	PM ₁₀	0.51 lbs/hr ¹		

EP	Pollutant	Emission Limit	Authority for Requirement	Authority for Requirement
152	Opacity	20% ^{3,4}	LCCO Sec. 10-60(a)	LCPH 5374 / 5375R2
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCCO Sec. 10-62(a)(1)	
	PM ₁₀	0.14 lbs/hr ¹		
161	Opacity	20% ^{3,4}	LCCO Sec. 10-60(a)	LCPH 5141 / 5087R3
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCCO Sec. 10-62(a)(1)	
	PM/PM ₁₀	0.90 lbs/hr ¹	NA	
168	Opacity	20% ^{3,4}	LCCO Sec. 10-60(a)	LCPH 5863 / 5772R2
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCCO Sec. 10-62(a)(1)	
	PM/PM ₁₀	0.20 lbs/hr ¹		
169	Opacity	20% ^{3,4}	LCCO Sec. 10-60(a)	LCPH 5864 / 5773R2
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCCO Sec. 10-62(a)(1)	
	PM/ PM ₁₀	0.07 lbs/hr ¹		
170	Opacity	20% ^{3,4}	LCCO Sec. 10-60(a)	LCPH 5865 / 5774R3
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCCO Sec. 10-62(a)(1)	
	PM/PM ₁₀	0.46 lbs/hr ¹		
171	Opacity	20% ^{3,4}	LCCO Sec. 10-60(a)	LCPH 6744 / 6530R2
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCCO Sec. 10-62(a)(1)	
	PM/PM ₁₀	1.74 lbs/hr ¹		
173	Opacity	20% ^{3,4}	LCCO Sec. 10-60(a)	LCPH 5868 / 5777
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCCO Sec. 10-62(a)(1)	
	PM/PM ₁₀	0.13 lbs/hr ¹		
174	Opacity	20% ^{3,4}	LCCO Sec. 10-60(a)	LCPH 5869 / 5778
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCCO Sec. 10-62(a)(1)	
	PM/PM ₁₀	0.10 lbs/hr ¹		
175	Opacity	20% ^{3,4}	LCCO Sec. 10-60(a)	LCPH5870 / 5779
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCCO Sec. 10-62(a)(1)	
	PM/ PM ₁₀	0.37 lbs/hr ¹		
176	Opacity	20% ^{3,4}	LCCO Sec. 10-60(a)	LCPH 5871 / 5780
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCCO Sec. 10-62(a)(1)	
	PM/ PM ₁₀	0.64 lbs/hr ¹	20% ^{3,4}	
177	Opacity	20% ^{3,4}	LCCO Sec. 10-60(a)	LCPH 5948 / 5684
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCCO Sec. 10-62(a)(1)	
	PM/ PM ₁₀	0.25 lbs/hr ¹	20% ^{3,4}	
182	Opacity	20% ^{3,4}	LCCO Sec. 10-60(a)	LCPH 6743 / 6553R1
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCCO Sec. 10-62(a)(1)	
	PM/ PM ₁₀	0.33 lbs/hr ¹	20% ^{3,4}	

¹ The emission limit is expressed as the average of three (3) runs.

² The emission limit is based on a twelve (12) month rolling total.

³ The emission limit is based on a six (6) minute average.

⁴ The observation of **visible emissions** of air contaminants as defined in LCCO Sec. 10-55 will require the owner/operator to promptly investigate the emission unit and make corrections to operations or

equipment associated with the visible emissions. If visible emissions continue after the corrections, Linn County may require additional proof to demonstrate compliance (e.g., stack testing).

Operating Limits

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

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 Department. Records shall be legible and maintained in an orderly manner. The operating requirements and associated recordkeeping for these permits shall be:

- A. The owner or operator shall monitor and record 'no visible emissions' observations for each emission point included in the "List of Emission Units, Control Equipment, Emission Points, and Permits" table on a weekly basis. An exceedance of 'no visible emissions' will require the owner or operator to promptly investigate the emission unit(s), make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
- B. The control equipment associated with these emission units shall be maintained according to the manufacturer's specification and good operating practices. The owner or operator shall record the date and description of all maintenance completed on the control device.
- C. The water flow to the scrubbers listed in this permit shall be maintained at a minimum of the limit listed in table below at all times while the unit is in operation. The owner or operator shall monitor and record the water flow to the scrubbers on a daily basis. An audible alarm system for the scrubbers may be operated in lieu of daily logging of the water flow rate to the scrubber, provided the low-level alarm set point is at least the minimum scrubber flow rates listed in the tables below.

EP	Minimum Scrubber Water Flow Rates (gallons per minute)
102	5
103	8
104	5
107	12
108	11.7
109	11.7
125	3
130	Zone #1(hot) – 4 Zone #2 (cold) - 7
134	4
135	11.7

EP	Minimum Scrubber Water Flow Rates (gallons per minute)
137	8
138	5
145	11.7
146	11.7
147	11.7
148	1.8
152	1.3
161	Zone #1 (East) – 3 Zone #2 (West) - 3
168	5
169	1.6

EP	Minimum Scrubber Water Flow Rates (gallons per minute)
170	6
171A	4
171B	12
173	3.5
174	2.3
175	5
176	8
177	3.1
182	5

- D. Recycled permeate water turbidity readings over 10 NTU shall require the owner/operator to promptly investigate the cause of elevated turbidity and take corrective action. The turbidity of the recycled permeate water must be taken prior to the addition of city makeup water in the permeate water in the permeate storage tank. The owner or operator shall monitor and record the turbidity of the permeate water on a weekly basis, and record any corrective action or maintenance completed to lower turbidity levels.
- E. The following emission points with scrubber control shall not discharge scrubber water into the recycled permeate water: EP 102, EP 103, EP 125, EP 130, EP 148, EP 161, EP 169, EP 174, EP 175, and EP 176. The scrubber water from these sources shall be discharged into the city sewer.

Authority for Requirement: LCPH 4324 / 4520R3; LCPH 5826 / 5564R2; LCPH 4931/ 5023R3; LCPH 6930 / 6701R1; LCPH 6931 / 6702R1; LCPH 6887 / 6703R1; LCPH 6888 / 6704R1; LCPH 6932 / 6699R1; LCPH 6889 / 6697R1; LCPH 6890 / 6698R1; LCPH 4329 / 4523R2; LCPH 5827 / 5565R2; LCPH 5719 / 5961R2; LCPH 5721 / 5963R2; LCPH 5700 / 5965R2; LCPH 5947 /5683R2; LCPH 5374 / 5375R2; LCPH 5141 / 5087R3; LCPH 5863 / 5772R2; LCPH 5864 / 5773R2; LCPH 5865 / 5774R3; LCPH 6744 / 6530R2; LCPH 5868 /5777; LCPH 5869 / 5778; LCPH5870 / 5779; LCPH 5871 / 5780; LCPH 5948 / 5684; LCPH 6743 / 6553R1

Emission Point Characteristics

These emission points shall conform to the specifications listed below:

EP ID	Stack Height (Feet from the ground)	Discharge Style	Stack Outlet Dimensions (inches)	Exhaust Temperature (°F)	Exhaust Flowrate (SCFM)
102	73	Vertical, unobstructed	30	125	7,872
103	80	Vertical, unobstructed	32	94	11,047
104	80	Vertical, unobstructed	34	190	10,410
107	94	Vertical, unobstructed	24	150	6,516
108	95	Vertical, unobstructed	24	150	6,200
109	96	Vertical, unobstructed	24	150	6,200
125	72	Vertical, unobstructed	16	90	1,500
130	87	Vertical, unobstructed	30	105	15,209
134	67	Vertical, unobstructed	36	150	7,348
135	96	Vertical, unobstructed	24	150	6,200
137	97	Vertical, unobstructed	42	150	9,114
138	97	Vertical, unobstructed	23	150	3,000
145	98	Vertical, unobstructed	24	150	6,200
146	96	Vertical, unobstructed	24	150	6,200
147	96	Vertical, unobstructed	24	150	6,200
148	80	Vertical, unobstructed	14	115	1,376
152	72	Vertical, unobstructed	14	105	800
161	72	Vertical, unobstructed	34	185	11,812
168	83	Vertical, unobstructed	16	120	2,284
169	83	Vertical, unobstructed	10	70	800
170	72	Vertical, unobstructed	24	230	5,377
171	83	Vertical, unobstructed	24	150	6,752

EP ID	Stack Height (Feet from the ground)	Discharge Style	Stack Outlet Dimensions (inches)	Exhaust Temperature (°F)	Exhaust Flowrate (SCFM)
173	83.7	Vertical, unobstructed	14	230	1,536
174	88	Vertical, unobstructed	8	100	1,136
175	93	Vertical, unobstructed	24	270	4,356
176	93	Vertical, unobstructed	43	110	7,439
177	102	Vertical, unobstructed	20	150	1,434
182	96	Vertical, unobstructed	36	126	9,497

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.

Authority for Requirement: LCPH 4324 / 4520R3; LCPH 5826 / 5564R2; LCPH 4931 / 5023R3; LCPH 6930 / 6701R1; LCPH 6931 / 6702R1; LCPH 6887 / 6703R1; LCPH 6888 / 6704R1; LCPH 6932 / 6699R1; LCPH 6889 / 6697R1; LCPH 6890 / 6698R1; LCPH 4329 / 4523R2; LCPH 5827 / 5565R2; LCPH 5719 / 5961R2; LCPH 5721 / 5963R2; LCPH 5700 / 5965R2; LCPH 5947 / 5683R2; LCPH 5374 / 5375R2; LCPH 5141 / 5087R3; LCPH 5863 / 5772R2; LCPH 5864 / 5773R2; LCPH 5865 / 5774R3; LCPH 6744 / 6530R2; LCPH 5868 / 5777; LCPH 5869 / 5778; LCPH 5870 / 5779; LCPH 5871 / 5780; LCPH 5948 / 5684; LCPH 6743 / 6553R1

Monitoring Requirements

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

Opacity Monitoring

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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 years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight 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, 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 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.

Authority for Requirement: 567 IAC 22.108(14)

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Facility O&M Applicability by Emission Point

EP	EU	Source Description	Pollutant(s) > Significance Level
102	102	Dryer	PM ₁₀
107	107, 177A	Shaper, Dryer	PM ₁₀
108	108, 177B	Shaper, Dryer	PM ₁₀
109	109, 138A	Shaper, Dryer	PM, PM ₁₀
135	135, 138B	Shaper, Dryer	PM, PM ₁₀
145	145, 177C	Shaper, Dryer	PM ₁₀
146	146, 138C	Shaper, Dryer	PM, PM ₁₀
147	147, 138D	Shaper, Dryer	PM, PM ₁₀
171	171	Preheater	PM, PM ₁₀

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

The data pertaining to the plan shall be maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 105**Associated Equipment**

Associated Emission Unit ID Numbers: EU105
Emissions Control Equipment ID Number: CE105
Emissions Control Equipment Description: Fabric Filter

Emission Unit vented through this Emission Point: EU105
Emission Unit Description: Product Receiver
Raw Material/Fuel: Dry Ingredients
Rated Capacity: 17.5 ton/hr

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.

Pollutant: Opacity
Emission Limit(s): 20%
Authority for Requirement: LCPH ATI 6228 / PTO 6006
LCCO Sec. 10-60

Pollutant: PM-10
Emission Limit(s): 0.14 lb/hr
Authority for Requirement: LCPH ATI 6228 / PTO 6006

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/scf, 0.14 lb/hr
Authority for Requirement: LCPH ATI 6228 / PTO 6006
567 IAC 23.3(2)"a"(2)
LCCO Sec. 10-62(a)(1)

Operational Limits & Requirements

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

Control Device

A baghouse shall be installed to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution device is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in "Operating Condition Monitoring and Record keeping" shall be installed, maintained and operating during the operation of the emission unit and control device at all times.

Authority for Requirement: LCPH ATI 6228 / PTO 6006

Operating Limits

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

- A. The differential pressure measured across the baghouse, CE 105, shall be maintained between 0.1 inches of water and 8 inches of water column with the exception of unit startup.
- B. The control equipment on this unit shall be maintained according to the manufacturer's specification and good operating practices.

Authority for Requirement: LCPH ATI 6228 / PTO 6006

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the 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. These records shall show the following:

- A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
- B. Monitor and record the differential pressure on the baghouse on a weekly basis while the control equipment and emission unit are in operation.
- C. Monitor and record any maintenance and repair completed on the control equipment.

Authority for Requirement: LCPH ATI 6228 / PTO 6006

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height (feet from ground): 64

Discharge Style: Vertical, unobstructed

Stack Opening (inches in diameter): 4

Exhaust Temperature (°F): 105

Exhaust Flowrate (scfm): 1,683

Authority for Requirement: LCPH ATI 6228 / PTO 6006

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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 years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight 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, 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 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.

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: 132, 150, 151, 164, 172, 178

Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity
132	132A	Preheater	Natural Gas	1.5 MMBtu/hr
	132B	Preheater	Propane	
150	150A	Preheater	Natural Gas	1.5 MMBtu/hr
	150B	Preheater	Propane	
151	151A	Preheater	Natural Gas	1.5 MMBtu/hr
	151B	Preheater	Propane	
164	164A	Preheater	Natural Gas	0.9 MMBtu/hr
	164B	Preheater	Propane	
172	172A	Heater	Natural Gas	1.5 MMBtu/hr
	172B	Heater	Propane	
178	178A	Water Heater	Natural Gas	18 MMBtu/hr
	178B	Water Heater	Propane	

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 (ATI/PTO)
150 151 164 172 178	PM	0.6 lbs/MMBtu	5818 / 5566R1 6179 / 5940 6621 / 6458 5867 / 5776R1 5979 / 5781 LCCO Sec. 10-61(b)(2) LCCO Sec. 10-65(1)(b)
	SO ₂	1.5 lbs/MMBtu	
132 150 151 164 172 178	Opacity	20% ¹	6178 / 5939 5818 / 5566R1 6179 / 5940 5819 / 5567R1 5867 / 5776R1 5979 / 5781 LCCO Sec. 10-60 LCCO Sec. 10-65(2) 567 IAC 23.3(3)"e"
	SO ₂	500 ppmv	
	NO _x	235 tpy Facility NO _x Bubble Limit	
132	PM/PM10	0.007 lbs/hr	6178 / 5939
151	PM/PM10	0.007 lbs/hr	6179 / 5940
132 151	PM	0.1 gr/scf	6178 / 5939 6179 / 5940 567 IAC 23.3(2)"a"
150	PM/PM10	0.05 lbs/hr	5818 / 5566R1

EP	Pollutant	Emission Limit(s)	Authority for Requirement (ATI/PTO)
150	SO2	0.01 lbs/hr	5818 / 5566R1
164	PM/PM10	0.03 lbs/hr	6621 / 6458
164	SO2	0.01 lbs/hr	6621 / 6458
172	PM/PM10	0.01 lbs/hr	5867 / 5776R1
178	PM/PM10	0.79 lbs/hr	5979 / 5781

¹ An exceedance of no visible emissions will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, Linn County may require additional proof to demonstrate compliance (e.g., stack testing).

Operational Limits & Requirements

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

Operating Limits

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

EP	Limit	Authority for Requirement (ATI/PTO)
132	Refer to [Plant-Wide Conditions], Facility NOx Bubble Permit Requirements	6178 / 5939
150		5818 / 5566R1
151		6179 / 5940
164		6621 / 6458
172		5867 / 5776R1
178		5979 / 5781
164	This source shall be limited to natural gas and/or propane as fuel	6621 / 6458

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the 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. These records shall show the following:

EP	Requirement	Authority for Requirement (ATI/PTO)
132	Refer to [Plant-Wide Conditions], Facility NOx Bubble Permit Requirements	6178 / 5939
150		5818 / 5566R1
151		6179 / 5940
164		6621 / 6458
172		5867 / 5776R1
178		5979 / 5781
132	The owner or operator shall monitor and record 'no visible emissions' observations on	6178 / 5939
150		5818 / 5566R1

EP	Requirement	Authority for Requirement (ATI/PTO)
151 164 172 178	a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.	6179 / 5940 6621 / 6458 5867 / 5776R1 5979 / 5781

Reporting Requirements

The following information shall be submitted to this department by the 30th of each month for the previous quarter (January 30, April 30, July 30, and October 30).

EP	Requirement	Authority for Requirement (ATI/PTO)
132 150 151 172 178	Refer to [Plant-Wide Conditions], Facility NOx Bubble Permit Requirements	6178 / 5939 5818 / 5566R1 6179 / 5940 5867 / 5776R1 5979 / 5781

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 Temperature (°F)	Exhaust Flowrate (scfm)
132	6178/5939	83	Vertical, unobstructed	10	450	99
150	5818/5566R1	84	Vertical, unobstructed	8	450	99
151	6179/5940	83	Vertical, unobstructed	10	450	99
164	6621/6458	84	Vertical, unobstructed	8	450	99
172	5867/5776R1	72	Vertical, unobstructed	12	800	2524
178	5979/5781	62.5	Vertical, unobstructed	36	160	3932

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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.

Opacity Monitoring

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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 years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight 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, 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 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.

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: 139

Associated Equipment

Associated Emission Unit ID Numbers: EU139A, EU139B

Emission Unit vented through this Emission Point: EU139A, EU139B

Emission Unit Description: Gas Fired Preheater

Raw Material/Fuel: Natural Gas, Propane

Rated Capacity: 0.80 MMBtu/hr

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.

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCPH ATI 2317 / PTO 4601R2
LCCO Sec. 10-60

Pollutant: PM-10

Emission Limit(s): 0.007 lb/hr,

Authority for Requirement: LCPH ATI 2317 / PTO 4601R2

Pollutant: Particulate Matter

Emission Limit(s): 0.007 lb/hr, 0.6 lbs/MMBtu

Authority for Requirement: LCPH ATI 2317 / PTO 4601R2
567 IAC 23.3(2)"b"
LCCO Sec. 10-61(b)(2)

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 0.0007 lb/hr 1.5 lbs/MMBTU, 500 ppmv

Authority for Requirement: LCPH ATI 2317 / PTO 4601R2
567 IAC 23.3(3)"e"
LCCO Sec. 10-65(1)(b)
LCCO Sec. 10-65(2)

Pollutant: Nitrogen Oxides (NO_x)

Emission Limit(s): 235 tpy

Authority for Requirement: LCPH ATI 2317 / PTO 4601R2
See Plant-Wide Conditions for Plant-Wide NO_x limit.

Operational Limits & Requirements

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

Operating Limits

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

A. Refer to [Plant-Wide Conditions], Facility Bubble Permit Requirements
Authority for Requirement: LCPH ATI 2317 / PTO 4601R2

Operating Condition Monitoring and Recordkeeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the 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. These records shall show the following:

- A. Refer to [Plant-Wide Conditions], Facility Bubble Permit Requirements
- B. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.

Authority for Requirement: LCPH ATI 2317 / PTO 4601R2

Reporting Requirements

A. Refer to [Plant-Wide Conditions], Facility Bubble Permit Requirements
Authority for Requirement: LCPH ATI 2317 / PTO 4601R2

See Plant-Wide Conditions section for Facility Operating Limits, Record keeping Requirements and Reporting Requirements that apply to this emission point.

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (ft, from ground): 98

Discharge Style: Vertical, Unobstructed

Stack Opening (inches, diameter): 10

Exhaust Temperature (°F): 450

Exhaust Flowrate (scfm): 99

Authority for Requirement: LCPH ATI 2317 / PTO 4601R2

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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 years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight 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, 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 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.

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: 140

Associated Equipment

Associated Emission Unit ID Numbers: EU140A, EU140B

Emission Unit vented through this Emission Point: EU140A, EU140B

Emission Unit Description: Gas-Fired Preheater

Raw Material/Fuel: Natural Gas, Propane

Rated Capacity: 0.80 MMBtu/hr

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.

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCPH ATI 2316 / PTO 4602R1
LCCO Sec. 10-60

Pollutant: PM-10

Emission Limit(s): 0.007 lb/hr

Authority for Requirement: LCPH ATI 2316 / PTO 4602R1

Pollutant: Particulate Matter

Emission Limit(s): 0.007 lb/hr, 0.6 lbs/MMBTU

Authority for Requirement: LCPH ATI 2316 / PTO 4602R1
567 IAC 23.3(2)"b"
LCCO Sec. 10-61(b)(2)

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 0.0007 lb/hr, 1.5 lbs/MMBTU, 500 ppmv

Authority for Requirement: LCPH ATI 2316 / PTO 4602R1
567 IAC 23.3(3)"e"
LCCO Sec. 10-65(1)(b)
LCCO Sec. 10-65(2)

Pollutant: Nitrogen Oxides (NO_x)

Emission Limit(s): 235 tpy

Authority for Requirement: LCPH ATI 2316 / PTO 4602R1
See Plant-Wide Conditions for Plant-Wide NO_x limit.

Operational Limits & Requirements

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

See Plant-Wide Conditions section for Facility Operating Limits, Recordkeeping Requirements and Reporting Requirements that apply to this emission point.

Operating Limits

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

- A. Refer to [Plant-Wide Conditions], Facility Bubble Permit Requirements

Authority for Requirement: LCPH ATI 2316 / PTO 4602R1

Operating Condition Monitoring and Recordkeeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the 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. These records shall show the following:

- A. Refer to [Plant-Wide Conditions], Facility Bubble Permit Requirements
- B. The owner or operator shall monitor and record 'no visible emissions' observation on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.

Authority for Requirement: LCPH ATI 2316 / PTO 4602R1

Reporting Requirements

The following information shall be submitted to this department by the 30th of each month for the previous quarter (January 30, April 30, July 30, and October 30).

- A. Refer to [Plant-Wide Conditions], Facility Bubble Permit Requirements

Authority for Requirement: LCPH ATI 2316 / PTO 4602R1

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (ft, from ground): 98

Discharge Style: Vertical, Obstructed

Stack Opening (inches, diameter): 10

Exhaust Temperature (°F): 450

Exhaust Flowrate (scfm): 99

Authority for Requirement: LCPH ATI 2316 / PTO 4602R1

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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 years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight 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, 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 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.

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: 141

Associated Equipment

Associated Emission Unit ID Numbers: EU141A, EU141B

Emission Unit vented through this Emission Point: EU141A, EU141B

Emission Unit Description: Gas-Fired Preheater

Raw Material/Fuel: Natural Gas, Propane

Rated Capacity: 0.80 MMBtu/hr

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.

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCPH ATI 2324 / PTO 4603R2
LCCO Sec. 10-60

Pollutant: PM-10

Emission Limit(s): 0.007 lb/hr

Authority for Requirement: LCPH ATI 2324 / PTO 4603R2

Pollutant: Particulate Matter

Emission Limit(s): 0.007 lb/hr, 0.6 lbs/MMBTU

Authority for Requirement: LCPH ATI 2324 / PTO 4603R2
567 IAC 23.3(2)"b"

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 0.0007 lb/hr, 1.5 lbs/MMBTU, 500 ppmv,

Authority for Requirement: LCPH ATI 2324 / PTO 4603R2
567 IAC 23.3(3)"e"

Pollutant: Nitrogen Oxides (NO_x)

Emission Limit(s): 235 tpy

Authority for Requirement: LCPH ATI 2324 / PTO 4603R2
See Plant-Wide Conditions for Plant-Wide NO_x limit.

Operational Limits & Requirements

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

See Plant-Wide Conditions section for Facility Operating Limits, Record keeping Requirements and Reporting Requirements that apply to this emission point.

Operating Limits

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

A. Refer to [Plant-Wide Conditions], Facility Bubble Permit Requirements
Authority for Requirement: LCPH ATI 2324 / PTO 4603R2

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the 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. These records shall show the following:

- A. Refer to [Plant-Wide Conditions], Facility Bubble Permit Requirements
- B. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.

Authority for Requirement: LCPH ATI 2324 / PTO 4603R2

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (ft, from ground): 98

Discharge Style: Vertical, Obstructed

Stack Opening (inches, diameter): 10

Exhaust Temperature (°F): 450

Exhaust Flowrate (scfm): 99

Authority for Requirement: LCPH ATI 2324 / PTO 4603R2

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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 years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight 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, 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 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.

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: 159

Associated Equipment

Associated Emission Unit ID Numbers: EU159

Emission Unit vented through this Emission Point: EU159

Emission Unit Description: Propane Gas Feeder Vaporizer

Raw Material/Fuel: Propane

Rated Capacity: 2.52 MMBtu/hr

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.

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCPH ATI 6633 / PTO 6470
LCCO Sec. 10-60

Pollutant: Particulate Matter

Emission Limit(s): 0.6 lb/MMBtu

Authority for Requirement: LCPH ATI 6633 / PTO 6470
567 IAC 23.3(2)"b"
LCCO Sec. 10-61(b)(2)

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 1.5 lb/MMBtu, 500 ppmv

Authority for Requirement: LCPH ATI 6633 / PTO 6470
LCCO Sec. 10-65(1)(b)
567 IAC 23.3(3)"e"

Pollutant: Nitrogen Oxide (NO_x)

Emission Limit(s): 235 tpy

Authority for Requirement: LCPH ATI 6633 / PTO 6470
See Plant-Wide Conditions for Plant-Wide NO_x limit.

Operational Limits & Requirements

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

See Plant-Wide Conditions section for Facility Operating Limits, Record keeping Requirements and Reporting Requirements that apply to this emission point.

Emission Point Characteristics

This emission point shall conform to the conditions listed below.

- Stack Height (feet, from ground): 12
- Discharge Style: Vertical, Obstructed
- Stack Opening (inches, diameter): 12
- Exhaust Temperature (°F): 170
- Exhaust Flowrate (scfm): 375
- Authority for Requirement: LCPH ATI 6633 / PTO 6470

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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 years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight 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, 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 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.

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: 160

Associated Equipment

Associated Emission Unit ID Numbers: EU160
Emissions Control Equipment ID Number: CE160
Emissions Control Equipment Description: Central Vacuum Collector

Emission Unit vented through this Emission Point: EU160
Emission Unit Description: Central Vacuum System
Raw Material/Fuel: Mixed Cereals
Rated Capacity: 11.75 ton/hr

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.

Pollutant: Opacity
Emission Limit(s): 20%
Authority for Requirement: LCPH ATI 6233 / PTO 6007R1
LCCO Sec. 10-60

Pollutant: PM-10
Emission Limit(s): 0.09 lbs/hr
Authority for Requirement: LCPH ATI 6233 / PTO 6007R1

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf, 0.09 lbs/hr
Authority for Requirement: LCPH ATI 6233 / PTO 6007R1
567 IAC 23.3(2)"a"(2)
LCCO Sec. 10-62(a)(1)

Operational Limits & Requirements

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

Control Device

A baghouse shall be installed to control particulate matter emissions. The control equipment shall be maintained on this source in a good operating condition at all times the air pollution source is in operation. All appropriate probes and gauges needed to measure the parameters outlined in "Record keeping Requirements" shall be installed and maintained in a good operating condition.
Authority for Requirement: LCPH ATI 6233 / PTO 6007R1

Operating Limits

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

- A. Beginning no later than November 11, 2012, the differential pressure measured across the baghouse, CE 160, shall be maintained between 0.1 inches of water and 8 inches of water column with the exception of unit startup.
- B. The control equipment on this unit shall be maintained according to the manufacturer's specification and good operating practices.

Authority for Requirement: LCPH ATI 6233 / PTO 6007R1

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the 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. These records shall show the following:

- A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
- B. Beginning no later than November 11, 2012, monitor and record the differential pressure on the baghouse on a weekly basis while the control equipment and emission unit are in operation.
- C. Monitor and record any maintenance and repair completed on the control equipment.

Authority for Requirement: LCPH ATI 6233 / PTO 6007R1

Emission Point Characteristics

This emission point shall conform to the conditions listed below.

Stack Height (feet, from ground): 55

Discharge Style: Vertical, Unobstructed

Stack Opening (inches, diameter): 4

Exhaust Temperature (°F): 100

Exhaust Flowrate (scfm): 500

Authority for Requirement: LCPH ATI 6233 / PTO 6007R1

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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 years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight 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, 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 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.

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: 162

Associated Equipment

Associated Emission Unit ID Numbers: EU162

Emission Unit vented through this Emission Point: EU162
Emission Unit Description: Standby Generator (1,186 bhp)
Raw Material/Fuel: Diesel Fuel
Rated Capacity: 58.6 gallon./hr

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.

Pollutant: Opacity
Emission Limit(s): 20%
Authority for Requirement: LCPH ATI 6234 / PTO 6008
LCCO Sec. 10-60

Pollutant: PM-10
Emission Limit(s): 1.15 lb/hr
Authority for Requirement: LCPH ATI 6234 / PTO 6008

Pollutant: Particulate Matter
Emission Limit(s): 0.6 lb/MMBtu, 1.15 lb/hr
Authority for Requirement: LCPH ATI 6234/ PTO 6008
567 IAC 23.3(2)"b"
LCCO Sec. 10-61(b)(2)

Pollutant: Sulfur Dioxide (SO₂)
Emission Limit(s): 1.5 lb/MMBtu, 500 ppmv
Authority for Requirement: LCPH ATI 6234 / PTO 6008
LCCO Sec. 10-65(1)(b)
567 IAC 23.3(3)"e"

Pollutant: Nitrogen Oxides (NO_x)
Emission Limit(s): 235 tpy
Authority for Requirement: LCPH ATI 6234 / PTO 6008
See Plant-Wide Conditions for Plant-Wide NO_x limit.

This equipment is subject to the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE NESHAP) [40 CFR Part 63 Subpart ZZZZ].

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ

Operational Limits & Requirements

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

Refer to the Plant-Wide Conditions section for Facility Operating Limits, Record keeping Requirements and Reporting Requirements that apply to this emission point.

Operating Limits

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

- A. This source shall be limited to 1000 hours of operation per year calculated on a 12-month rolling total.
- B. Fuel use shall be limited to #1 or #2 grade diesel fuel only.
- C. The sulfur content of any diesel fuel used in the emission unit shall meet the requirements of 40 CFR §80.510.

Authority for Requirement: LCPH ATI 6234 / PTO 6008

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the 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. These records shall show the following:

- A. The owner or operator shall obtain a fuel certification from the fuel supplier specifying the sulfur content of the fuel.
- B. Record the number of hours the engine is operated each month. Calculate and record the 12-month rolling total hours.
- C. Refer to the requirements of [Plant-Wide Conditions], Facility Bubble Permit Requirements.

Authority for Requirement: LCPH ATI 6234 / PTO 6008

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (ft, from ground): 66

Discharge Style: Vertical, unobstructing rain cap

Stack Opening (inches in diameter): 12

Exhaust Temperature (°F): 981

Exhaust Flowrate (scfm): 6,381

Authority for Requirement: LCPH ATI 6234 / PTO 6008

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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.

Stack Testing

The following stack tests shall be performed:

EP 162

Pollutant – CO

Stack test to be completed in accordance with §63.6620

Test Method – 40 CFR 60, Appendix A, Method 10

Authority for Requirement: LCPH ATI 6234 / PTO 6008

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: 166

Associated Equipment

Associated Emission Unit ID Numbers: EU166A, EU166B

Emission Unit vented through this Emission Point: EU166A, EU166B
Emission Unit Description: Shop Emergency Generator (Standby) 125 eKW
Raw Material/Fuel: Natural Gas, Propane
Rated Capacity: 1.508 MMBtu/hr

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.

Pollutant: Opacity
Emission Limit(s): 20%
Authority for Requirement: LCPH ATI 6236 / PTO 6010
LCCO Sec. 10-60

Pollutant: PM-10
Emission Limit(s): 0.012 lb/hr
Authority for Requirement: LCPH ATI 6236 / PTO 6010

Pollutant: Particulate Matter
Emission Limit(s): 0.6 lb/MMBtu, 0.012 lb/hr
Authority for Requirement: LCPH ATI 6236 / PTO 6010
567 IAC 23.3(2)"b"
LCCO Sec. 10-61(b)(2)

Pollutant: Sulfur Dioxide (SO₂)
Emission Limit(s): 1.5 lb/MMBtu (propane)
Authority for Requirement: LCPH ATI 6236 / PTO 6010
LCCO Sec. 10-65(1)(b)

Pollutant: Sulfur Dioxide (SO₂)
Emission Limit(s): 500 ppmv (natural gas)
Authority for Requirement: LCPH ATI 6236 / PTO 6010
567 IAC 23.3(3)"e"
LCCO Sec. 10-65(2)

Pollutant: Nitrogen Oxide (NO_x)
Emission Limit(s): 235 tpy
Authority for Requirement: LCPH ATI 6236 / PTO 6010
See Plant-Wide Conditions for Plant-Wide NO_x limit.

~~This equipment is subject to the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE NESHAP) [40 CFR Part 63 Subpart ZZZZ].~~

~~Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ~~

NESHAP:

These emergency engines are subject to 40 CFR 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE). According to 40 CFR 63.6590(a)(1)(iii) these spark ignition emergency engines, located at an area source, are an existing stationary RICE as they were constructed prior to June 12, 2006. The requirements below apply to each engine.

Compliance Date

Per 63.6595(a)(1) you must comply with the provisions of subpart ZZZZ that are applicable by October 19, 2013.

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(j) for the oil analysis option to extend time frame of requirements.)
2. Inspect spark plugs every 1,000 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"; LCCO Sec. 10-62(d)(104)

Operational Limits & Requirements

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

See Plant-Wide Conditions section for Facility Operating Limits, Record keeping Requirements and Reporting Requirements that apply to this emission point.

Operating Limits

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

- A. This engine shall operate no more than 500 hours of operation per year calculated on a 12-month rolling total.
- B. This unit shall burn propane and/or natural gas only.

Authority for Requirement: LCPH ATI 6236 / PTO 6010

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the 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. These records shall show the following:

- A. Record the number of hours the engine is operated each month. Calculate and record the 12-month rolling total hours.
- B. Refer to the requirements of [Plant-Wide Conditions], Facility NOx Bubble Permit Requirements (see Plant Wide Conditions).

Authority for Requirement: LCPH ATI 6236 / PTO 6010

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

- Stack Height (ft, from ground): 32
- Discharge Style: Vertical, Unobstructing rain cap
- Stack Opening, (inches, diameter): 4
- Exhaust Temperature (°F): 1544
- Exhaust Flowrate (scfm): 205
- Authority for Requirement: LCPH ATI 6236 / PTO 6010

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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: 167

Associated Equipment

Associated Emission Unit ID Numbers: EU167

Emission Unit vented through this Emission Point: EU167

Emission Unit Description: Standby Generator

Raw Material/Fuel: Diesel Fuel

Rated Capacity: 58.9 gallon/hr

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.

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCPH ATI 6237 / PTO 6011
LCCO Sec. 10-60

Pollutant: Particulate Matter

Emission Limit(s): 0.54 g/KW-hr

Authority for Requirement: LCPH ATI 6237 / PTO 6011
40 CFR §60.4204(a)

Pollutant: Particulate Matter

Emission Limit(s): 0.6 lb/MMBtu

Authority for Requirement: LCPH ATI 6237/ PTO 6011
567 IAC 23.3(2)"b"
LCCO Sec. 10-61(b)(2)

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 1.5 lbs/MMBtu

Authority for Requirement: LCPH ATI 6237 / PTO 6011
LCCO Sec. 10-65(1)(b)

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 15 ppmv

Authority for Requirement: LCPH ATI 6237 / PTO 6011
40 CFR §60.4207(b)

Pollutant: Nitrogen Oxides (NO_x)

Emission Limit(s): 235 tpy

Authority for Requirement: LCPH ATI 6237 / PTO 6011
See Plant-Wide Conditions for Plant-Wide NO_x limit.

Pollutant: Nitrogen Oxides (NO_x)
Emission Limit(s): 9.2 g/KW-hr
Authority for Requirement: LCPH ATI 6237 / PTO 6011
40 CFR §60.4204(a)

Pollutant: VOC
Emission Limit(s): 1.3 g/KW-hr
Authority for Requirement: LCPH ATI 6237 / PTO 6011
40 CFR §60.4204(a)

Pollutant: CO
Emission Limit(s): 11.4 g/KW-hr
Authority for Requirement: LCPH ATI 6237 / PTO 6011
40 CFR §60.4204(a)

This equipment is subject to the New Source Performance Standards for Stationary Compression Ignition Internal Combustion Engines [40 CFR Part 60 Subpart III].
Authority for Requirement: 40 CFR 60 Subpart III

This equipment is subject to the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE NESHAP) [40 CFR Part 63 Subpart ZZZZ].
Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ

Operational Limits & Requirements

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

Refer to the Plant-Wide Conditions section for Facility Operating Limits, Record keeping Requirements and Reporting Requirements that apply to this emission point.

Operating Limits

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

- A. This source shall be limited to 1000 hours of operation per year based on a 12-month rolling total.
- B. Fuel use shall be limited to #1 or #2 grade diesel fuel only.
- C. The owner or operator shall meet the applicable General Provisions requirements of 40 CFR §60 Subpart A as indicated in 40 CFR §60.4218 to comply with [LCCO Sec. 10-62(b)].
- D. The owner or operator shall meet the Emission Standards for Owners and Operators requirements of 40 CFR §60.4204 and §60.4206 to comply with [LCCO Sec. 10-62(b)(1)(yyy)].
- E. The owner or operator shall comply with the Fuel Requirements for Owners and Operators of 40 CFR §60.4207 (Subpart III) to comply with [LCCO Sec. 10-62(b)(1)(yyy)].
- F. The owner or operator shall install and operate the generator according to manufacturer's recommendations.

G. Refer to the requirements of [Plant-Wide Conditions], Facility Bubble Permit Requirements.

Authority for Requirement: LCPH ATI 6237 / PTO 6011

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the 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. These records shall show the following:

- A. The owner or operator shall obtain a fuel certification from the fuel supplier that states all diesel shipments will meet the specifications of 40 CFR §60.4207 on an annual basis.
- B. Record the number of hours the engine operates each month. Calculate and record the 12-month rolling total hours.
- C. The owner or operator shall complete all recordkeeping and monitoring as required by NSPS Subpart IIII as indicated below:
 - a. The owner or operator of the stationary CI internal combustion engine shall follow the monitoring requirements of 40 CFR §60.4209.
 - b. The owner or operator of the stationary CI internal combustion engine shall follow the compliance requirements of 40 CFR §60.4211.
 - c. The owner or operator of the stationary CI internal combustion engine shall follow the notification, reporting, and recordkeeping requirements of 40 CFR §60.4214.
- D. Refer to the requirements of [Plant-Wide Conditions], Facility Bubble Permit Requirements.

Authority for Requirement: LCPH ATI 6237 / PTO 6011

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (ft, from ground): 66
 Discharge Style: Vertical, unobstructing rain cap
 Stack Opening (inches in diameter): 12
 Exhaust Temperature (°F): 964
 Exhaust Flowrate (scfm): 6,932

Authority for Requirement: LCPH ATI 6237 / PTO 6011

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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: 179

Associated Equipment

Associated Emission Unit ID Numbers: EU179

Emission Unit vented through this Emission Point: EU179

Emission Unit Description: Propane Burner

Raw Material/Fuel: Propane

Rated Capacity: 0.5 MMBTU/hr

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.

Pollutant: Opacity

Emission Limit(s): 20%¹

Authority for Requirement: LCPH ATI 6002/PTO 5720R2
LCCO Sec. 10-60

Pollutant: Particulate Matter

Emission Limit(s): 0.6 lb/MMBtu

Authority for Requirement: LCPH ATI 6002/ PTO 5720R2
567 IAC 23.3(2)"b"
LCCO Sec. 10-61(b)(2)

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 1.5 lbs/MMBtu, 500 ppmv

Authority for Requirement: LCPH ATI 6002/ PTO 5720R2
LCCO Sec. 10-65(1)(b)
567 IAC 23.3(3)"e"

Pollutant: Nitrogen Oxides (NO_x)

Emission Limit(s): 235 tpy

Authority for Requirement: LCPH ATI 6002 / PTO 5720R2
See Plant-Wide Conditions for Plant-Wide NO_x limit.

¹ An exceedance of no visible emissions will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, Linn County may require additional proof to demonstrate compliance (e.g., stack testing).

Operational Limits & Requirements

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

See Plant-Wide Conditions section for Facility Operating Limits, Recordkeeping Requirements and Reporting Requirements that apply to this emission point.

Operating Limits

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

- A. This emission point shall be limited to 100 hours of operation per year based upon a 12-month rolling total.
- B. Refer to [Plant-Wide Conditions], Facility NO_x Bubble Permit Requirements.

Authority for Requirement: LCPH ATI 6002 / PTO 5720R2

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the 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. These records shall show the following:

- A. Record the propane burner hours of operation on a monthly basis.
- B. Refer to [Plant-Wide Conditions], Facility NO_x Bubble Permit Requirements.

Authority for Requirement: LCPH ATI 6002 / PTO 5720R2

Reporting Requirements

The following information shall be submitted to this department by the 30th of each month for the previous quarter (January 30, April 30, July 30, and October 30).

- A. Refer to [Plant-Wide Conditions], Facility NO_x Bubble Permit Requirements.

Authority for Requirement: LCPH ATI 6002 / PTO 5720R2

Emission Point Characteristics

This emission point shall conform to the conditions listed below.

Stack Height (feet, from ground): 18

Discharge Style: Vertical, unobstructed

Stack Opening (inches, diameter): 12

Exhaust Temperature (°F): 150

Exhaust Flowrate (scfm): 99

Authority for Requirement: LCPH ATI 6002 / PTO 5720R2

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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: 180, 200, 308

Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	Control Equipment
180	180	Regrinds Receiver	Ingredient	8.55 tons/hr	Cartridge Filters
200	200	Product Receiver	Ingredient	10.25 tons/hr	Baghouse
308	308A	Product Receiver	Ingredient	3.0 tons/hr	Baghouse 308A, 308B, 308C
308	308B	Product Receiver	Ingredient	3.0 tons/hr	
308	308C	Product Receiver	Ingredient	6.0 tons/hr	

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 (ATI/PTO)
180 200 308	Opacity	20% ^{1,2}	6436 / 6219R1 6238 / 6012R1 7228 / 6939 LCCO Sec. 10-60
180 200 308	PM	0.1 gr/dscf	6436 / 6219R1 6238 / 6012R1 7228 / 6939 LCCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"
180	PM/PM10	1.98 lbs/hr	6436 / 6219R1
200	PM/PM10	0.58 lbs/hr	6238 / 6012R1
308	PM/PM10	1.33 lbs/hr	7228 / 6939

¹ EP 200: An exceedance of **no visible emissions** will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, Linn County may require additional proof to demonstrate compliance (e.g., stack testing).

² EP 180, 308: The observation of **visible emissions** of air contaminants as defined in LCCO Sec. 10-55 will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the visible emissions. If visible emissions continue after the corrections, Linn County may require additional proof to demonstrate compliance (e.g., stack testing).

Operational Limits & Requirements

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

Control Device

A baghouse shall be used to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in "Operating Condition Monitoring and Record keeping" shall be installed, maintained and operating during the operation of the emission unit and control device at all times.

Authority for Requirement: LCPH ATI 6238 / PTO 6012R1

Cartridge filters shall be installed to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in "Operating Condition Monitoring and Record keeping" shall be installed, maintained and operating during the operation of the emission unit and control device at all times.

Authority for Requirement: LCPH ATI 6436 / PTO 6219R1

Operating Limits (EP180 and EP200)

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

EP	Limit	Authority for Requirement (ATI/PTO)
180 200	<p>The differential pressure measured across the [control equipment] shall be maintained between 0.1 inches of water column and 8 inches of water column with the exception of unit startup</p> <p>The control equipment on this unit shall be maintained according to the manufacturer's specifications and good operating practices.</p>	6436 / 6219R1 6238 / 6012R1

Operating Condition Monitoring and Recordkeeping (EP180 and EP200)

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the 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. These records shall show the following:

EP	Requirement	Authority for Requirement (ATI/PTO)
180 200	<p>Monitor and record the differential pressure on the [control equipment] on a weekly basis while the control equipment and emission unit are in operation.</p> <p>Monitor and record any maintenance and repair completed on the control equipment.</p>	6436 / 6219R1 6238 / 6012R1

EP	Requirement	Authority for Requirement (ATI/PTO)
180 200	The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.	6436 / 6219R1 6238 / 6012R1

Operating Requirements with Associated Monitoring and Recordkeeping (EP308)

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

- A. The pressure drop across each baghouse, CE 308A, 308B, and 308C, shall be maintained between 0.5 inches and 15 inches of water column. The owner and operator shall monitor and record pressure drop reading across each baghouse, CE 308A, 308B, and 308C.
- B. The owner or operator shall monitor and record 'no visible emissions' observations on a:
 - i. Weekly basis when pressure drop is between 0.5 inches and 8.0 inches of water column across CE 308A, 308B, and 308C.
 - ii. Daily basis when pressure drop is between 8 inches and 15 inches of water column across one or more baghouses, CE 308A, 308B, and 308C.
- C. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
- D. The control equipment shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall maintain records of all maintenance completed on the control equipment.

Authority for Requirement: LCPH ATI 7228 / PTO 6939

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 Temperature (°F)	Exhaust Flowrate (scfm)
180	6436 / 6219R1	71	Vertical, unobstructed	12	125	4,006
200	6238 / 6012R1	72	Vertical, unobstructed	20	132	12,700
308	7228 / 6939	42	Vertical, unobstructed	20	130	9,105

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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.

Stack Testing

The following stack tests shall be performed:

EP 180

Pollutant – PM-10⁽¹⁾

1st Stack Test to be Completed by June 28, 2021.

Test Method – Method 201A with 202 or approved alternative

Authority for Requirement – 567 IAC 22.108(3)

Pollutant – PM

1st Stack Test to be Completed by June 28, 2021.

Test Method – Method 5 or approved alternative

Authority for Requirement – 567 IAC 22.108(3)

⁽¹⁾ The owner or operator may choose to perform one stack test (PM) to account for both PM and PM-10 emissions. This one test will satisfy the testing requirements for both pollutants. If the test results show a violation of the applicable emission limits, then the emission point will be considered to be out of compliance for both pollutants. The test method used must be approved by the Department's stack testing personnel prior to testing.

EP 308

Pollutant – PM

1st Stack Test to be Completed by June 28, 2021.

Test Method – Method 5 or approved alternative

Authority for Requirement – 567 IAC 22.108(3)

The owner of this equipment or the owner's authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the test shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Opacity Monitoring

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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 years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight 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, 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 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.

Authority for Requirement: 567 IAC 22.108(14)

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? EP 200 Yes No

Compliance Assurance Monitoring (CAM) Plan Required? EPs 180, 308 Yes No

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that is representative of the source's compliance with the applicable requirements.

The data pertaining to the plan shall be maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Authority for Requirement: 567 IAC 22.108(3)

Compliance Assurance Monitoring Plan

CAM Plan for EP 180 Baghouse

I. Background

A. Emissions Unit

Description: Regrinds Receiver
Identification: EU180
Facility: General Mills Operations, Inc.
Cedar Rapids, Iowa

B. Applicable Regulation, Emission Limit, and Monitoring Requirements

Regulation No.: Permit to Operate 6219R1
Particulate emission limit: 1.98 lb/hr, 0.1 gr/scf PM/PM-10
Opacity emission limit: 20%
Current Monitoring requirements: Weekly opacity, weekly pressure differential readings.

C. Control Technology: Cartridge Filters

II. Monitoring Approach

A. Indicator

Daily pressure differential checks will be used as an indicator.

B. Measurement Approach

Pressure drop will be checked daily to ensure that pressure differential is maintained between 0.1 inches of water column and 8 inches of water column during material handling operation of the unit with the exception of unit startup.

C. Indicator Range

Pressure drop shall be maintained between 0.1 inches of water column and 8 inches of water column during operation with the exception of unit startup.

D. QIP (Quality Improvement Plan) Threshold

The QIP threshold is six excursions in a six month reporting period

E. Performance Criteria

Data representativeness: Pressure differential maintained between 0.1 inches of water column and 8 inches of water column during operation with the exception of unit startup.

Verification of operational status: Records of pressure drop readings will be maintained for five years.

QA/QC practices and criteria:

The facility shall check the pressure drop daily when the emission unit on this emission point is in operation. If a pressure differential is observed and outside the permitted water column range during operation, corrective action will be taken within 8 hours.

Monitoring frequency and data
Collection procedure:

Pressure drop readings shall be conducted daily during a period when the emission unit on this emission point is in operation. Records of the readings shall be maintained for five years.

III. Justification

A. Background

This facility processes ingredients into cereal. The pollutant specific emission unit is the bag filter that controls emissions from a specific source. The controlled exhaust flow rate is approximately 4006 standard cubic feet per minute.

B. Rationale for Selection of Performance Indicator

The daily pressure drop readings were selected as the performance indicator because it is indicative of operation of the baghouse in a manner necessary to comply with the particulate emission standard. A pressure drop of less than 0.1 inches of water column and or greater than 8 inches of water column would indicate a reduced performance of the baghouse. Therefore, the detection of out-of-range pressure differential is used as a performance indicator.

C. Rationale for Selection of Indicator Level

The selected indicator range is a pressure drop between 0.1 inches of water column and 8 inches of water column during operation with the exception of unit startup, was selected because if the pressure differential observed is outside the permitted pressure differential reading, corrective action will be taken within 8 hours.

The pressure differential range noted above was selected as indicator ranges because if pressure differential were to be outside the range of water column readings, this would indicate a potential increase in particulate emissions due to a decrease in the performance of this baghouse. If the baghouse is operating properly, pressure differentials in the above range will be maintained except during startup, shut down, and upset conditions.

The selected QIP threshold for the baghouse is 6 excursions in a 6-month reporting period. If the QIP threshold is exceeded in a semiannual reporting period, a QIP will be developed and implemented.

Compliance Assurance Monitoring Plan

CAM Plan for EP 308 Baghouse

I. Background

A. Emissions Unit

Description: Product Receiver
Identification: EU308 A/B/C
Facility: General Mills Operations, Inc.
Cedar Rapids, Iowa

B. Applicable Regulation, Emission Limit, and Monitoring Requirements

Regulation No.: Permit to Operate 6939
Particulate emission limit: 0.1 gr/scf, 1.33 lbs/hr PM/PM-10
Opacity emission limit: 20%
Current Monitoring requirements: Weekly opacity, weekly pressure differential on each baghouse when pressure drop is between 0.5 inches and 8 inches of water column and daily pressure differential readings on each baghouse between 8 to 15 inches of water column across one or more baghouses, CE 308A, 308B, and 308C.

C. Control Technology: Fabric Filter

II. Monitoring Approach

A. Indicator

Daily pressure differential checks will be used as an indicator.

B. Measurement Approach

Pressure drop will be checked daily to ensure that pressure differential is maintained between 0.5 inches of water column and 8 inches of water column during material handling operation of the unit with the exception of unit startup, however, if the baghouse differential pressure rises above 8 inches of water column, a daily observation of no visible emissions must be completed.

C. Indicator Range

Pressure drop shall be maintained between 0.5 inches of water column and 8 inches of water column during operation with the exception of a water column observation above 8 inches then daily stack checks for no visible emissions will be completed.

D. QIP (Quality Improvement Plan) Threshold

The QIP threshold is six excursions in a six month reporting period

E. Performance Criteria

Data representativeness:	Pressure differential maintained between 0.5 inches of water column and 8 inches of water column during operation with an exception of a water column observation above 8 inches. If the differential pressure exceeds 8 inches then the stack will be checked daily for no visible emissions.
Verification of operational status:	Records of pressure drop readings will be maintained for five years. QA/QC practices and criteria: The facility shall check the pressure drop daily when the emission unit on this emission point is in operation. If a pressure differential is observed and outside the permitted water column range during operation, corrective action will be taken within 8 hours.
Monitoring frequency and data Collection procedure:	Pressure differential readings shall be conducted daily during a period when the emission unit on this emission point is in operation. Records of the readings shall be maintained for five years.

III. Justification

A. Background

This facility processes ingredients into frosting. The pollutant specific emission unit is the bag filters that control emissions from a specific source. The controlled exhaust flow rate is approximately 10,176 actual cubic feet per minute.

B. Rationale for Selection of Performance Indicator

The daily pressure differential readings were selected as the performance indicator because it is indicative of operation of the baghouse in a manner necessary to comply with the particulate emission standard. A pressure differential maintained between 0.5 inches of water column and 15 inches of water column during operation with the exception of a water column observation above 8 inches then the stack will be checked daily for no visible emissions. If an observation of differential pressure is observed outside this range, this would indicate a reduced performance of the baghouse. Therefore, the detection of out-of-range pressure differential is used as a performance indicator.

C. Rationale for Selection of Indicator Level

The daily differential pressure drop between 0.5 inches of water column and 15 inches of water column during operation with the exception of a water column observation above 8 inches then the stack will be checked daily for no visible emissions. If a pressure differential is observed to be outside the permitted pressure differential range, corrective action will be taken within 8 hours.

The pressure differential range noted above was selected as indicator ranges because if pressure differential were to be less than 0.5 or greater than 15 inches of water column, this would indicate a potential increase in particulate emissions due to decreased performance of the baghouses. If the baghouses are operating properly, pressure differentials in the above range will be maintained.

The selected QIP threshold for the baghouse is 6 excursions in a 6-month reporting period. If the QIP threshold is exceeded in a semiannual reporting period, a QIP will be developed and implemented.

Emission Point ID Number: 181

Associated Equipment

Associated Emission Unit ID Numbers: 181
Emissions Control Equipment ID Number: CE181
Emissions Control Equipment Description: Catalyst

Emission Unit vented through this Emission Point: 181
Emission Unit Description: Emergency Natural Gas Generator – 200 kW
Raw Material/Fuel: Natural Gas
Rated Capacity: 200 kW

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.

Pollutant: Opacity
Emission Limit(s): 20%
Authority for Requirement: LCPH ATI 6297 / PTO 6135R1

Pollutant: PM-10
Emission Limit(s): 0.01 lbs/hr
Authority for Requirement: LCPH ATI 6297 / PTO 6135R1

Pollutant: Particulate Matter
Emission Limit(s): 0.6 lbs/MMBTU, 0.01 lbs/hr
Authority for Requirement: LCPH ATI 6297 / PTO 6135R1
LCCO Sec. 10-61(b)(1)
567 IAC 23.3(2)"b"

Pollutant: SO_x
Emission Limit(s): 500 ppmv
Authority for Requirement: LCCO Sec. 10-65(2)
567 IAC 23.3(3)"e"

Pollutant: NO_x
Emission Limit(s): 235 tpy
Authority for Requirement: LCPH ATI 6267 / PTO 6135R1

Pollutant: NO_x
Emission Limit(s): 2.0 g/HP-hr¹
Authority for Requirement: LCPH ATI 6267 / PTO 6135R1
40 CFR 60.4233(e)

Pollutant: VOC
Emission Limit(s): 1.0 g/HP-hr¹
Authority for Requirement: LCPH ATI 6267 / PTO 6135R1
40 CFR 60.4233(e)

Pollutant: CO

Emission Limit(s): 4.0 g/HP-hr¹

Authority for Requirement: LCPH ATI 6267 / PTO 6135R1
40 CFR 60.4233(e)

¹Emission limits based on 40 CFR 60 Subpart JJJJ Table 1- Emission Standards for Stationary Non-Emergency SI Engines \geq 100 HP (Except Gasoline and Rich Burn LPG), Stationary SI Landfill/ Digester Gas Engines, and Stationary Emergency Engines $>$ 25HP.

This equipment is subject to the New Source Performance Standards, Standards of Performance for Stationary Spark Ignition Internal Combustion Engines [40 CFR Part 60 Subpart JJJJ].

Authority for Requirement: 40 CFR Part 60 Subpart JJJJ

This equipment is subject to the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE NESHAP) [40 CFR Part 63 Subpart ZZZZ].

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ

Operational Limits & Requirements

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

Control Equipment

A catalyst shall be installed to control emissions of volatile organic compounds and carbon monoxide. 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 6267 / PTO 6135R1

Operating Limits

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

- A. This source shall be used for emergency use only.
- B. Fuel use in this unit shall be limited to natural gas fuel only.
- C. This source shall be limited to 100 hours per year of operation for maintenance checks and readiness testing.
- D. This source shall be limited to 500 hours per year of emergency operating time.
- E. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in §60.4243(d), is prohibited.
- F. The owner or operator shall meet the applicable General Provisions requirements of 40 CFR 60 Subpart A as indicated in 40 CFR §60.4246 to comply with [LCCO Sec. 10-62(b)(1)(zzz)].
- G. The owner or operator shall meet the Emission Standards for Owners and Operators requirements of 40 CFR §60.4233 to comply with [LCCO Sec. 10-62(b)(1)(zzz)].

- H. The owner or operator shall install and operate the generator according to manufacturer's recommendations.
- I. The generator shall be equipped with a non-resettable hour meter.
- J. Refer to the requirements of [Plant-Wide Conditions], Facility Bubble Permit Requirements.

Authority for Requirement: LCPH ATI 6267 / PTO 6135R1

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the 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. These records shall show the following:

- A. The owner or operator of the stationary spark ignition ICE shall follow the compliance requirements of 40 CFR §60.4243.
- B. The owner or operator of the stationary spark ignition ICE shall follow the notification, reporting, and recordkeeping requirements of 40 CFR §60.4245.
- C. The owner or operator shall record the number of hours the engine is operated each month for emergency purposes. Calculate and record the 12-month rolling total hours.
- D. The owner or operator shall record the number of hours the engine is operated each month for maintenance checks and readiness testing. Calculate and record the 12-month rolling total hours.
- E. Refer to the requirements of [Plant-Wide Conditions], Facility Bubble Permit Requirements.

Authority for Requirement: LCPH ATI 6267 / PTO 6135R1

Reporting Requirements

The following information shall be submitted to this department by the 30th of each month for the previous quarter (January 30, April 30, July 30, and October 30).

- A. Refer to the requirements of [Plant-Wide Conditions], Facility [NOx] Bubble Permit Requirements.

Authority for Requirement: LCPH ATI 6267 / PTO 6135R1

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 72

Stack Opening, (inches, dia.): 5

Exhaust Flow Rate (scfm): 431

Exhaust Temperature (°F): 1,384

Discharge Style: Vertical, unobstructed

Authority for Requirement: LCPH ATI 6267 / PTO 6135R1

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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: 183

Associated Equipment

Associated Emission Unit ID Numbers: 183
Emissions Control Equipment ID Number: CE183
Emissions Control Equipment Description: Packaging Dust Collector

Emission Unit vented through this Emission Point: 183
Emission Unit Description: Packaging Dust Collector
Raw Material/Fuel: Ingredient
Rated Capacity: 4.5 lbs/hr

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.

Pollutant: Opacity
Emission Limit(s): 20%
Authority for Requirement: LCPH ATI 6751 / PTO 6554
LCCO Sec. 10-60

Pollutant: PM-10
Emission Limit(s): 0.05 lbs/hr
Authority for Requirement: LCPH ATI 6751 / PTO 6554

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf, 0.05 lbs/hr
Authority for Requirement: LCPH ATI 6751 / PTO 6554
LCCO Sec. 10-62(a)(1)
567 IAC 23.3(2)"a"

Operational Limits & Requirements

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

Control Equipment

Cartridge filters shall be installed to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in 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 6751 / PTO 6554

Operating Limits

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

- A. The pressure drop across the baghouse, CE 183, shall be maintained between 0.1 inches of water column and 8 inches of water column.
- B. The control equipment shall be maintained according to the manufacturer's specifications and good operating practices.

Authority for Requirement: LCPH ATI 6751 / PTO 6554

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the 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. These records shall show the following:

- A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
- B. Monitor and record pressure drop reading across the cartridge filters, CE 183, on a weekly basis while the control equipment is in operation.
- C. Monitor and record any maintenance and repair completed on the control equipment.

Authority for Requirement: LCPH ATI 6751 / PTO 6554

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 37

Discharge Style: Vertical, unobstructed

Stack Opening, (inches, dia.): 8

Exhaust Temperature (°F): 70

Exhaust Flow Rate (scfm): 1,400

Authority for Requirement: LCPH ATI 6751 / PTO 6554

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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

The facility shall check weekly for visible emissions during a period when the emission unit on this emission point is handling material and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years. If weather conditions prevent the observer from conducting a visible emission observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake visible emission 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.

Observations shall be done to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight 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 via the Method 9 observation, 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.

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: 184

Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
184	184	Emergency Fire Pump Compression Engine	Diesel Fuel	GPH 183 BHP	--	--

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
184	PM	0.6 lb/MMBtu	567 IAC 23.3(2)(b)"2" LCO Sec. 10-61(b)(1)
	Opacity	20%	LCO Sec.10-60(a)
	SO ₂	1.5 lb/MMBtu (max 2-hr avg)	LCO Sec. 10-65(1)(b)

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):

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

NESHAP:

The emergency engine is subject to 40 CFR 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE). According to 40 CFR 63.6590(a)(1)(iii) this compression ignition emergency engine, located at an area source, is an existing stationary RICE as it was constructed prior to June 12, 2006.

Compliance Date

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

Operation and Maintenance Requirements 40 CFR 63.6603, 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

3. Keep records of the maintenance conducted on the stationary RICE.
4. 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

3. An initial notification is not required per 40 CFR 63.6645(a)(5)
4. 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"

Emission Point ID Number: 305, 306, 309, 324, 325, 326

Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	Control Equipment
305	305	Dryer	Food Ingredients	3.5 tons/hr	None
306	306	Dryer	Food Ingredients	3.5 tons/hr	None
309	309A	Dryer	Food Ingredients	5 tons/hr	None
309	309B	Dryer	Food Ingredients		None
309	309E	Dryer	Food Ingredients		None
309	309F	Dryer	Food Ingredients		None
324	309C	Dryer	Food Ingredients	1 tons/hr	None
324	309D	Dryer	Food Ingredients	1 tons/hr	None
325	325	Dryer	Food Ingredients	3.5 tons/hr	None
326	326	Dryer	Food Ingredients	3.5 tons/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 (ATI/PTO)
305	VOC	226 tpy (Facility VOC Bubble Limit)	5980 / 5662
306			5981 / 5663
309			7060 / 6816
324			6796 / 6579
325			7240 / 6968
326			7241 / 6969

See Plant-Wide Conditions for Plant-Wide VOC limit.

Operational Limits & Requirements

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

See Plant-Wide Conditions section for Facility Operating Limits, Recordkeeping Requirements and Reporting Requirements that apply to this emission point.

Emission Point Characteristics

This 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 Temperature (°F)	Exhaust Flowrate (scfm)
305	5980 / 5662	52.90	Vertical, obstructed	41 x 28	100	23,660
306	5981 / 5663	58.20	Vertical, obstructed	41 x 27	100	23,660
309	7060 / 6816	55	Vertical, unobstructed	51 x 38	100	23,660
324	6796 / 6579	40	Vertical, unobstructed	38	100	23,000
325	7240 / 6968	35.5	Vertical, obstructed	24	100	7, 571
326	7241 / 6969	35.5	Vertical, obstructed	24	100	7, 571

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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: 307

Associated Equipment

Associated Emission Unit ID Numbers: EU307

Emission Unit vented through this Emission Point: EU307

Emission Unit Description: Backup Generator

Raw Material/Fuel: Diesel Fuel

Rated Capacity: 4.97 MMBtu/hr

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.

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCPH ATI 4607 / PTO 4762
LCCO Sec. 10-60

Pollutant: PM-10

Emission Limit(s): 0.70 lb/hr, 0.35 tpy

Authority for Requirement: LCPH ATI 4607 / PTO 4762

Pollutant: Particulate Matter

Emission Limit(s): 0.70 lb/hr, 0.35 tpy

Authority for Requirement: LCPH ATI 4607 / PTO 4762

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 1.5 lb/MMBtu

Authority for Requirement: LCPH ATI 4607 / PTO 4762
LCCO Sec. 10-65(1)(b)

Pollutant: Nitrogen Oxides (NO_x)

Emission Limit(s): 235 tpy

Authority for Requirement: LCPH ATI 4607 / PTO 4762
See Plant-Wide Conditions for Plant-Wide NO_x limit.

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 0.45 lb/hr, 0.22 tpy

Authority for Requirement: LCPH ATI 4607 / PTO 4762

This equipment is subject to the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE NESHP) [40 CFR Part 63 Subpart ZZZZ].

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ

Operational Limits & Requirements

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

See Plant-Wide Conditions section for Facility Operating Limits, Recordkeeping Requirements and Reporting Requirements that apply to this emission point.

Operating Limits

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

- A. This source shall be limited to 1000 hours of operation per year calculated on a 12-month rolling total.
- B. Fuel use in this unit shall be either #1 or #2 grade diesel fuel only, with a maximum concentration of 0.5% sulfur by weight.

Authority for Requirement: LCPH ATI 4607 / PTO 4762

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the 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. These records shall show the following:

- A. Total hours of engine operation per year calculated on a 12-month rolling total.
- B. Type of fuel burned and sulfur concentration by weight.

Authority for Requirement: LCPH ATI 4607 / PTO 4762

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet, from ground): 50

Discharge Style: Vertical

Stack Opening (inches in diameter): 12

Exhaust Temperature (°F): 702

Exhaust Flowrate (scfm): 3'920

Authority for Requirement: LCPH ATI 4607 / PTO 4762

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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.

Stack Testing

The following stack tests shall be performed:

EP 307

Pollutant – CO

Stack test to be completed in accordance with §63.6620

Test Method – 40 CFR 60, Appendix A, Method 10

Authority for Requirement: LCPH ATI 4607 / PTO 4762

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: 313, 327

Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity
313	313A	Boiler #3	Natural Gas	48.25 MMBtu/hr
313	313B	Boiler #3	Propane	
327	327A	Boiler #4	Natural Gas	48.3 MMBtu/hr
327	327B	Boiler #4	Propane	

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
313 327	Opacity	20%	2533 / 4583R2 4009 / 4586R2 LCCO Sec. 10-60
313 327	PM ₁₀ /PM	0.37 lbs/hr	2533 / 4583R2 4009/4586R2
313 327	PM	0.3 lb/MMBtu ⁽¹⁾	2533 / 4583R2 4009 / 4586R2 LCCO Sec. 10-65(1)(b) LCCO Sec. 10-65(2) 567 IAC 23.3(3)"e"
	SO ₂	0.04 lbs/hr, 1.5 lbs/MMBTU (liquid fuel), 500 ppmv	
	NO _x	235	2533 /4583R2 4009 / 4586R2 (facility NO _x bubble)
313	CO	3.97 lbs/hr	2533 / 4583R2
327	CO	3.98 lbs/hr	4009 / 4586R2

¹ Combined boiler limit for emission points #001, 002, 313, and 327

This emission unit is subject to Subparts A (General Provisions, 40 CFR §60.1- 40 CFR §60.19) and Dc (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units 40 CFR §60.40c - 40 CFR §60.48c).

Authority for Requirement: 40 CFR Part 60 Subpart Dc
LCPH ATI 2533 / PTO 4583R2
LCPH ATI 4009 / PTO 4586R2

Operational Limits & Requirements

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

See Plant-Wide Conditions, Facility NO_x Bubble Conditions section for Facility Operating Limits, Recordkeeping Requirements and Reporting Requirements that apply to this emission point.

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the 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. These records shall show the following:

- A. Refer to [Plant-Wide Conditions], Facility Bubble Permit Requirements.
- B. The owner/operator of each affected facility shall record and maintain records of the amounts of each fuel combusted during each day.¹

¹ The facility may request monthly recordkeeping in lieu of daily records. Such a request must be submitted and approved by this office. The facility must specify how the total fuel usage will be apportioned to individual units if a single fuel flow meter is used to measure the amount of fuel burned in multiple boilers (EPA Determination Detail, Control Number 0200005).

Authority for Requirement: LCPH ATI 2533 / PTO 4583R2
LCPH ATI 4009 / PTO 4586R2

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)
313	2533/4583R2	104	Vertical, unobstructed	36	450	5,669
327	4009/4586R2	104	Vertical, unobstructed	36	450	5,689

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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 years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight 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, 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 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.

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: 321, 322

Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity
321	321A	Water Heater	Natural Gas	21 MMBtu/hr
321	321B	Water Heater	Propane	
322	322A	Water Heater	Natural Gas	21 MMBtu/hr
322	322B	Water Heater	Propane	

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
321 322	Opacity	20%	3886 / 4584R2 3887 / 4585R2 LCCO Sec. 10-60
321 322	PM ₁₀ /PM	0.16 lbs/hr	3886 / 4584R2 3887 / 4585R2
321 322	PM	0.6 lb/MMBtu	3886 / 4584R2 3887 / 4585R2
	SO ₂	0.02 lbs/hr 1.5 lbs/MMBTU (liquid fuel) 500 ppmv (natural gas)	LCCO Sec. 10-61(b)(2) LCCO Sec. 10-65(1)(b) LCCO Sec. 10-65(2) 567 IAC 23.3(3)"e"
	NO _x	235	3886 / 4584R2 3887 / 4585R2 (facility NO _x bubble)
321 322	VOC	0.11 lbs/hr	3886 / 4584R2
321 322	CO	1.73 lbs/hr,	3886 / 4584R2 3887 / 4585R2

Operational Limits & Requirements

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

See Plant-Wide Conditions section for Facility Operating Limits, Recordkeeping Requirements and Reporting Requirements that apply to these emission points.

- A. Refer to [Plant-Wide Conditions], Facility Bubble Permit Requirements
- B. The owner or operator shall monitor and record ‘no visible emissions’ observations on a weekly basis. An exceedance of ‘no visible emissions’ will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.

Authority for Requirement: LCPH ATI 3886 / PTO 4584R2
LCPH ATI 3887 / PTO 4585R2

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, diameter)	Exhaust Temperature (°F)	Exhaust Flowrate (scfm)
321	3886/4584R2	57	Vertical, unobstructed	42	160	3,932
322	3887/5485R2					

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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 years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight 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, 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 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.

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: 330

Associated Equipment

Associated Emission Unit ID Numbers: EU330

Emission Unit vented through this Emission Point: EU330

Emission Unit Description: Standby Generator

Raw Material/Fuel: Diesel Fuel

Rated Capacity: 58.6 gallons/hr

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.

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCPH ATI 4144 / PTO 4644R4
LCCO Sec. 10-60

Pollutant: Particulate Matter

Emission Limit(s): 0.6 lbs/MMBtu

Authority for Requirement: LCPH ATI 4144 / PTO 4644R4
LCCO Sec. 10-61(b)(1)

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 1.5 lb/MMBtu

Authority for Requirement: LCPH ATI 4144 / PTO 4644R4
LCCO Sec. 10-65(1)(b)

Pollutant: Nitrogen Oxides (NO_x)

Emission Limit(s): 235 tpy

Authority for Requirement: LCPH ATI 4144 / PTO 4644R4
See Plant-Wide Conditions for Plant-Wide NO_x limit.

Pollutant: Carbon Monoxide (CO)

Emission Limit(s): 23 ppmvd or less at 15 percent O₂ or 70% or more CO reduction

Authority for Requirement: LCPH ATI 4144 / PTO 4644R4

Operational Limits & Requirements

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

See Plant-Wide Conditions section for Facility Operating Limits, Recordkeeping Requirements and Reporting Requirements that apply to this emission point.

Control Equipment

A catalyst shall be installed to control emissions of volatile organic compounds and carbon monoxide. 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 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 4144 / PTO 4644R4

NSPS and NESHAP Applicability

In general, the federal standards of performance for new stationary sources (New Source Performance Standards) shall be applicable as specified in LCCO Sec. 10-62(b) and 567 IAC 23.1(2). The federal standards for hazardous air pollutants (national emission standards for hazardous air pollutants) shall be applicable as specified in LCCO Sec. 10-62(c) and 567 IAC 23.1(3). The federal standards for hazardous air pollutants for source categories (national emission standards for hazardous air pollutants for source categories) shall be applicable as specified in LCCO Sec. 10-62(d) and 567 IAC 23.1(4).

- A. The New Source Performance Standards (NSPS) Subpart A, General Provisions and Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines does not apply to this source because it was installed prior to 7/11/2005 and manufactured prior to 4/1/2006.
- B. This engine is of the source type regulated by the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (40 CFR Part 63, Subpart ZZZZ) and shall apply to this source pursuant to LCCO Sec. 10-62(d)(104) and 567 IAC 23.1(4)"cz." The engine is an existing reciprocating internal combustion engine located at an area source of HAP.

Authority for Requirement: LCPH ATI 4144 / PTO 4644R4

Operating Limits

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

- A. This source shall be limited to 1000 hours per year based on a 12-month rolling period.
- B. Fuel use in this unit shall be either #1 or #2 grade diesel fuel only.
- C. The owner or operator shall use diesel fuel that meets the requirements of 40 CFR §80.510(b) for non-road diesel fuel.
- D. The owner or operator shall meet all applicable emission limitations, operating limitations, and other requirements listed under §63.6603.
- E. The owner or operator shall meet the fuel requirements listed under §63.6604.
- F. The owner or operator shall install and operate the generator according to manufacturer's recommendations.
- G. Refer to the requirements of [Plant-Wide Conditions], Facility Bubble Permit Requirements.

Authority for Requirement: LCPH ATI 4144 / PTO 4644R4

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the 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. These records shall show the following:

- A. Record the number of hours the engine operates each month. Calculate and record the 12-month rolling totals.
- B. The owner or operator shall complete all recordkeeping and monitoring as required by NESHAP 40 CFR §63.6635, §63.6640, and §63.6655.
- C. Refer to the requirements of [Plant-Wide Conditions], Facility Bubble Permit Requirement.

Authority for Requirement: LCPH ATI 4144 / PTO 4644R4

Continuous Emission Monitoring

- A. The owner or operator shall meet all monitoring requirements specified under 40 CFR §63.6605, §63.6625, §63.6635, and/or §63.6640.

Authority for Requirement: LCPH ATI 4144 / PTO 4644R4

Reporting Requirements

The following information shall be submitted to this department:

- A. The owner or operator shall submit reports as required by 40 CFR §63.6650.
- B. Refer to the requirements of [Plant-Wide Conditions], Facility Bubble Permit Requirement.

Authority for Requirement: LCPH ATI 4144 / PTO 4644R4

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet from ground): 50

Discharge Style: Vertical, unobstructed

Stack Opening (inches in diameter): 12

Exhaust Temperature (°F): 981

Exhaust Flowrate (scfm): 6,381

Authority for Requirement: LCPH ATI 4144 / PTO 4644R4

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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.

Stack Testing

The following stack tests shall be performed:

EP 330

Pollutant – CO

Stack test to be completed in accordance with §63.6620

Test Method – 40 CFR 60, Appendix A, Method 10

Authority for Requirement: LCPH ATI 4144 / PTO 4644R4

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: 339

Associated Equipment

Associated Emission Unit ID Numbers: EU339
Emissions Control Equipment ID Number: CE339
Emissions Control Equipment Description: Cartridge Filter

Emission Unit vented through this Emission Point: EU339
Emission Unit Description: Material Conditioner
Raw Material/Fuel: Starch
Rated Capacity: 26.5 ton/hr

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.

Pollutant: Opacity
Emission Limit(s): 20%
Authority for Requirement: LCPH ATI 5724 / PTO 5542R1
LCCO Sec. 10-60

Pollutant: PM-10
Emission Limit(s): 0.77 lbs/hr
Authority for Requirement: LCPH ATI 5724 / PTO 5542R1

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf, 0.77 lb/hr
Authority for Requirement: LCPH ATI 5724 / PTO 5542R1
567 IAC 23.3(2)"a"(2)
LCCO Sec. 10-62(a)(1)

Operational Limits & Requirements

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

Control Device

Cartridge filters shall be installed to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in 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 5724 / PTO 5542R1

Operating Limits

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

- A. The differential pressure drop across the cartridge filters, CE 339, shall be maintained between 0.5 and 12 inches of water.
- B. The control equipment shall be maintained according to the manufacturer's specifications and good operating practices.

Authority for Requirement: LCPH ATI 5724 / PTO 5542R1

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the 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. These records shall show the following:

- A. Monitor and record the differential pressure across the cartridge filters, CE 339, on a daily basis while the control equipment and emission unit are in operation.
- B. Monitor and record any maintenance and repair completed to the control equipment.
- C. The owner or operator shall monitor or record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections or equipment associated with the exceedance, and record the corrective action taken.

Authority for Requirement: LCPH ATI 5724 / PTO 5542R1

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet from ground): 59

Discharge Style: Vertical, unobstructed

Stack Opening (inches in diameter): 25

Exhaust Temperature (°F): 93

Exhaust Flowrate (scfm): 12,000

Authority for Requirement: LCPH ATI 5724 / PTO 5542R1

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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 years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight 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, 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 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.

Authority for Requirement: 567 IAC 22.108(14)

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? PM10 Yes No

Compliance Assurance Monitoring (CAM) Plan Required? PM Yes No

Compliance Assurance Monitoring Plan

CAM Plan for EP 339 Baghouse

I. Background

A. Emissions Unit

Description: Material Conditioner
Identification: EU339
Facility: General Mills Operations, Inc.
Cedar Rapids, Iowa

B. Applicable Regulation, Emission Limit, and Monitoring Requirements

Regulation No.: Permit to Operate 5542R1
Particulate emission limit: 0.1 gr/scf, 0.77 lbs/hr PM/PM-10
Opacity emission limit: 20%
Current Monitoring requirements: Weekly opacity, daily pressure differential readings on the unit.

C. Control Technology: Cartridge Filters

II. Monitoring Approach

A. Indicator

Daily pressure differential checks will be used as an indicator on the cartridge filters.

B. Measurement Approach

Pressure drop will be checked daily to ensure that pressure differential is maintained between 0.5 inches of water column and 12 inches of water column during material handling operation of the unit.

C. Indicator Range

Pressure differential shall be maintained between 0.5 inches of water column and 12 inches of water column during operation.

D. QIP (Quality Improvement Plan) Threshold

The QIP threshold is six excursions in a six month reporting period

E. Performance Criteria

Data representativeness: Pressure differential maintained between 0.5 inches of water column and 12 inches of water column during operation.

Verification of operational status: Records of pressure drop readings will be maintained for five years.

QA/QC practices and criteria: The facility shall check the pressure drop daily when the emission unit on this emission point is in operation. If a pressure differential is observed and outside the permitted water column range during operation, corrective action will be taken within 8 hours.

Monitoring frequency and data Collection procedure: Pressure differential readings shall be conducted daily during a period when the emission unit on this emission point is in operation. Records of the readings shall be maintained for five years.

III. Justification

A. Background

This facility processes ingredients into fruit snacks. The pollutant specific emission unit is the cartridge filters that control emissions from a specific source. The controlled exhaust flow rate is approximately 12,000 standard cubic feet per minute.

B. Rationale for Selection of Performance Indicator

The daily pressure differential readings were selected as the performance indicator because it is indicative of operation of the cartridge filters in a manner necessary to comply with the particulate emission standard. A pressure differential maintained between 0.5 inches of water column and 12 inches of water column during operation would indicate a reduced performance of the cartridge filters. Therefore, the detection of out-of-range pressure differential is used as a performance indicator.

C. Rationale for Selection of Indicator Level

The daily differential pressure drop between 0.5 inches of water column and 12 inches of water column during operation was selected because if a pressure differential is observed to be outside the permitted pressure differential, corrective action will be taken within 8 hours.

The pressure differential range noted above was selected as indicator ranges because if pressure differential were to be less than 0.5 or greater than 12 inches of water column, this would indicate a potential increase in particulate emissions due to decreased performance of the cartridge filters. If the cartridge filters are operating properly, pressure differentials in the above range will be maintained.

The selected QIP threshold for the baghouse is 6 excursions in a 6-month reporting period. If the QIP threshold is exceeded in a semiannual reporting period, a QIP will be developed and implemented.

Emission Point ID Number: 340

Associated Equipment

Associated Emission Unit ID Numbers: 340
Emissions Control Equipment ID Number: CE340
Emissions Control Equipment Description: Cartridge Filters

Emission Unit vented through this Emission Point: 340
Emission Unit Description: Packaging Dust Collector
Raw Material/Fuel: Ingredient
Rated Capacity: 4.5 lbs/hr

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.

Pollutant: Opacity
Emission Limit(s): 20%
Authority for Requirement: LCPH ATI 6661 / PTO 6496
LCCO Sec. 10-60

Pollutant: PM-10
Emission Limit(s): 0.04 lbs/hr
Authority for Requirement: LCPH ATI 6661 / PTO 6496

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf, 0.04 lbs/hr
Authority for Requirement: LCPH ATI 6661 / PTO 6496
567 IAC 23.3(2)"a"(2)
LCCO Sec. 10-62(a)(1)

Operational Limits & Requirements

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

Control Equipment

Cartridge filters shall be installed to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in 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 6661 / PTO 6496

Operating Limits

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

- A. The pressure drop across the baghouse, CE 340, shall be maintained between 0.1 inches of water column and 8 inches of water column.
- B. The control equipment shall be maintained according to the manufacturer's specifications and good operating practices.

Authority for Requirement: LCPH ATI 6661 / PTO 6496

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the 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. These records shall show the following:

- A. Monitor and record pressure drop reading across the cartridge filters, CE 340, on a weekly basis while the control equipment is in operation.
- B. Monitor and record any maintenance and repair completed on the control equipment.

Authority for Requirement: LCPH ATI 6661 / PTO 6496

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 48

Discharge Style: Vertical, unobstructed

Stack Opening, (inches, dia.): 6

Exhaust Temperature (°F): 70

Exhaust Flow Rate (acfm): 1,200

Authority for Requirement: LCPH ATI 6661 / PTO 6496

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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 years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight 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, 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 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.

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: 344

Associated Equipment

Associated Emission Unit ID Numbers: 344
Emissions Control Equipment ID Number: CE344
Emissions Control Equipment Description: Cartridge Filters

Emission Unit vented through this Emission Point: 344
Emission Unit Description: Packaging Dust Collector
Raw Material/Fuel: Ingredient
Rated Capacity: 4.5 lbs/hr

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.

Pollutant: Opacity
Emission Limit(s): 20%
Authority for Requirement: LCPH ATI 7169 / PTO 6932
LCCO Sec. 10-60

Pollutant: PM-10
Emission Limit(s): 0.04 lbs/hr
Authority for Requirement: LCPH ATI 7169 / PTO 6932

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf, 0.04 lbs/hr
Authority for Requirement: LCPH ATI 7169 / PTO 6932
567 IAC 23.3(2)"a"(2)
LCCO Sec. 10-62(a)(1)

Operational Limits & Requirements

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

Operating Requirements with Associated Monitoring and Recordkeeping

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

- A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
- B. The control equipment associated with these emission units (CE344) shall be maintained in accordance with manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all maintenance completed on the control equipment, including bag replacement.

C. The normal differential pressure across the control equipment (CE344) shall be maintained between 0.1 and 8 inches of water column. The owner or operator shall monitor and record the differential pressure across the control equipment on a weekly basis.

Authority for Requirement: LCPH ATI 7169 / PTO 6932

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 48

Discharge Style: Vertical, unobstructed

Stack Opening, (inches, dia.): 6

Exhaust Temperature (°F): 70

Exhaust Flow Rate (acfm): 1,200

Authority for Requirement: LCPH ATI 7169 / PTO 6932

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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

The facility shall check the opacity weekly during a period when the emission unit on this emission point is 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 years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight 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, 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 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.

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, 500, 501, 502

Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CEID	CE Description
400	400	Cooling Tower	Cooling	103,200 gal/hr	400	Drift Eliminators
500	500	C-1 Condenser #2	Cooling	42,900 gal/hr	500	Drift Eliminators
501	501	C-1 Condenser #3	Cooling	42,900 gal/hr	501	Drift Eliminators
502	502	C-1 Condenser #4	Cooling	103,200 gal/hr	502	Drift Eliminators

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)	LCPH ATI/PTO
400 500 501 502	Opacity	20%	5509 / 5377 5688 / 5522 5862 / 5755 6384 / 6117R1 LCCO Sec. 10-60
400 502	PM ₁₀ /PM	0.15 lbs/hr	5509 / 5377 6384 / 6117R1
500 501	PM ₁₀ /PM	0.06 lbs/hr	5688 / 5522 5862 / 5755
400 500 501 502	PM	0.1 gr/scf	5509 / 5377 5688 / 5522 5862 / 5755 6384 / 6117R1 LCCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"

Operational Limits & Requirements

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

Control Device

A drift eliminator shall be installed to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in 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 5509 / PTO 5377; LCPH ATI 5688 / PTO 5522
LCPH ATI 5862 / PTO 5755; LCPH ATI 6384 / PTO 6117R1

Operating Limits

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

- A. The total dissolved solids (TDS) of the water used shall not exceed 3500 ppm.
- B. The control efficiency of the drift eliminator (gallons of drift per gallon of cooling water flow) shall meet or exceed 0.005%.
- C. Chromium based water treatment chemicals shall not be used in the emission unit.
- D. The water treatment chemicals used shall not contain VOC or Hazardous Air Pollutants.

Authority for Requirement: LCPH ATI 5509 / PTO 5377; LCPH ATI 5688 / PTO 5522
LCPH ATI 5862 / PTO 5755; LCPH ATI 6384 / PTO 6117R1

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the 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. These records shall show the following:

- A. On a quarterly basis, the cooling water shall be analyzed to determine the total dissolved solids content while the unit is in operation.
- B. Maintain Material Safety Data Sheets for all water treatment chemicals used in this emission unit.
- C. Maintain documentation of the designed control efficiency for the drift eliminator.

Authority for Requirement: LCPH ATI 5509 / PTO 5377; LCPH ATI 5688 / PTO 5522
LCPH ATI 5862 / PTO 5755; LCPH ATI 6384 / PTO 6117R1

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	5509 / 5377	59	Vertical, unobstructed	144	78	208,490
500 501	5688 / 5522 5862 / 5755	46	Vertical, unobstructed	66	78	92,200
502	6384 / 6117R1	43	Vertical, unobstructed	144	78	208,490

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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.

Stack Testing

The following stack tests shall be performed:

EP400

Pollutant – TDS⁽¹⁾

Testing completed once each quarter

Test Method – According to IDNR Method

Authority for Requirement – LCPH ATI 5509 / PTO 5377

¹ Performance testing is required to be completed to demonstrate compliance with the Total Dissolved Solids (TDS) Concentration of 3,500 mg/L once each quarter (refer to Operating Condition Monitoring and Recordkeeping).

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: 310, 600, 601, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 744, 745, 746, 747, 800, 801, 802, 803, 804, 805, 806, 807, 808

Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CEID	CE Description
310	310	Receiver	Ingredient	15 tons/hr	310	Baghouse
600	600	Receiver	Ingredient	3 tons/hr	600	Baghouse
601	601A	Ingredient Weigh Platform	Ingredient	1 tons/hr	601	Baghouse
601	601B	Ingredient Supersack Unloading	Ingredient	3 tons/hr		
700	700	Receiver	Ingredient	21.9 tons/hr	700	Baghouse
701	701	Receiver	Ingredient	12 tons/hr	701	Dust Collector
702	702	Receiver	Ingredient	9 tons/hr	702	Cartridge Filter
703	703	Receiver	Ingredient	9 tons/hr	703	Cartridge Filter
704	704	Receiver	Ingredient	9 tons/hr	704	Cartridge Filter
705	705	Receiver	Ingredient	3 tons/hr	705	Cartridge Filter
706	706	Receiver	Ingredient	3 tons/hr	706	Cartridge Filter
707	707	Receiver	Ingredient	3 tons/hr	707	Cartridge Filter
708	708	Receiver	Ingredient	3 tons/hr	708	Cartridge Filter
709	709	Hopper	Ingredient	3 tons/hr	709	Cartridge Filter
710	710	Bag Dump	Ingredient	2 tons/hr	710	Baghouse
711	711	Bag Dump	Ingredient	2 tons/hr	711	Baghouse
712	712	Bag Dump	Ingredient	2 tons/hr	712	Baghouse
713	713	Receiver	Ingredient	3 tons/hr	713	Cartridge Filter
714	714	Receiver	Ingredient	3 tons/hr	714	Cartridge Filter
715	715A	Mixer	Ingredient	9 tons/hr	715	Cartridge Filter
715	715B	Product Receiver	Ingredient	9 tons/hr		
715	715C	Product Receiver	Ingredient	9 tons/hr		
716	716A	Product Receiver	Ingredient	4.53 tons/hr	716	Baghouse
716	716B	Product Receiver	Ingredient	4.53 tons/hr		
716	716C	Blower	Ingredient	4.53 tons/hr		
716	716D	Blower	Ingredient	4.53 tons/hr		
717	717A	Blower	Ingredient	3.6 tons/hr	717	Baghouse
717	717B	Bin	Ingredient	3.6 tons/hr		
717	717C	Bin	Ingredient	3.6 tons/hr		
718	718	Blower	Ingredient	3.6 tons/hr	718	Baghouse
719	719	Receiver	Ingredient	3.6 tons/hr	719	Cartridge Filter
720	720	Super Sack	Ingredient	3 tons/hr	720	Baghouse
721	721	Receiver	Ingredient	3 tons/hr	721	Cartridge Filter
722	722	Receiver	Ingredient	3 tons/hr	722	Cartridge Filter
723	723	Receiver	Ingredient	3 tons/hr	723	Cartridge Filter
724	724	Air Lock	Ingredient	1 tons/hr	724	Cartridge Filters

EP	EU	EU Description	Raw Material	Rated Capacity	CEID	CE Description
725	725	Air Classifier	Ingredient	6.5 tons/hr	725	Baghouse
726	726A	Bin	Ingredient	6.5 tons/hr	726	Baghouse
726	726B	Bin	Ingredient	6.5 tons/hr		
726	726C	Bin	Ingredient	6.5 tons/hr		
727	727A	Product Receiver	Ingredient	6.5 tons/hr	727	Baghouse
727	727B	Product Receiver	Ingredient	6.5 tons/hr		
728	728A	Bins	Ingredient	6.5 tons/hr	728	Baghouse
728	728B	Bins	Ingredient	6.5 tons/hr		
729	729	Receiver	Ingredient	3.6 tons/hr	729	Cartridge Filter
730	730	Receiver	Ingredient	3 tons/hr	730	Cartridge Filter
731	731	Receiver	Ingredient	3 tons/hr	731	Cartridge Filter
732	732	Receiver	Ingredient	3 tons/hr	732	Cartridge Filter
733	733	Hopper	Ingredient	9 tons/hr	733	Baghouse
734	734	Hopper	Ingredient	9 tons/hr	734	Cartridge Filters
735	735	Hopper	Ingredient	9 tons/hr	735	Cartridge Filters
736	736	Hopper	Ingredient	3 tons/hr	736	Baghouse
737	737	Multiple Pickups	Ingredient	3.6 tons/hr	737	Baghouse
738	738	Hopper	Ingredient	3.6 tons/hr	738	Baghouse
739	739	Weigh Station	Ingredient	.1 tons/hr	739	Cartridge Filter
740	740	Bead Blaster	Ingredient	0.025 tons/hr	740	Baghouse
741	741	Receiver	Ingredient	6 tons/hr	741	Baghouse
742	742	Grinder	Ingredient	3 tons/hr	742	Cartridge Filter
744	744	Receiver	Ingredient	58 lbs/hr	744	Baghouse
745	745	Cereal Blending System	Ingredient	11,280 lbs/hr	745	Baghouse
746	746	RTC Filter and Hopper	Ingredient	3 tons/hr	746	Cartridge Filter
747	747A	Bagger 1	Ingredient	2 tons/hr	747	Baghouse
747	747B	Bagger 2	Ingredient	2 tons/hr	747	
747	747C	Bagger 3	Ingredient	2 tons/hr	747	
747	747D	Bagger 4	Ingredient	2 tons/hr	747	
747	747E	Bagger 5	Ingredient	2 tons/hr	747	
747	747F	Bagger 6	Ingredient	2 tons/hr	747	
800	800	Receiver	Ingredient	9,000 lbs/hr	800	Baghouse
801	801	Receiver	Ingredient	9,000 lbs/hr	801	Cartridge Filter
802	802	Receiver	Ingredient	1,500 lbs/hr	802	Baghouse
803	803	Dust Collector	Ingredient	30,000 lbs/hr	803	Cartridge Filter
804	804	Bag Dump	Ingredient	1,500 lbs/hr	804	Baghouse
805	805	Receiver	Ingredient	8,000 lbs/hr	805	Cartridge Filter
806	806	Vacuum System	Ingredient	1,500 lbs/hr	806	Baghouse
807	807	Starch Receiver	Ingredient	48,000 lbs/hr	807	Cartridge Filter

EP	EU	EU Description	Raw Material	Rated Capacity	CEID	CE Description
808	808	Starch Hopper	Ingredient	24 tons/hr	808	Cartridge Filter

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.

Pollutant: Opacity

Emission Limit(s): No Visible Emissions¹

Authority for Requirement:

LCPH ATI 6038 / PTO 5771 (310)	LCPH ATI 5907 / PTO 5731 (727)
LCPH ATI 6390 / PTO 6118 (600)	LCPH ATI 5908 / PTO 5732 (728)
LCPH ATI 7253 / PTO 6966 (601) ²	LCPH ATI 5909 / PTO 5733 (729)
LCPH ATI 5882 / PTO 5891 (702)	LCPH ATI 5910 / PTO 5734 (730)
LCPH ATI 5883 / PTO 5892 (703)	LCPH ATI 5911 / PTO 5735 (731)
LCPH ATI 5884 / PTO 5893 (704)	LCPH ATI 5912 / PTO 5736 (732)
LCPH ATI 5885 / PTO 5894 (705)	LCPH ATI 5949 / PTO 5906 (733)
LCPH ATI 5886 / PTO 5721 (706)	LCPH ATI 5950 / PTO 5907R1 (734)
LCPH ATI 5887 / PTO 5722 (707)	LCPH ATI 5951 / PTO 5908R1 (735)
LCPH ATI 5888 / PTO 5723 (708)	LCPH ATI 5952 / PTO 5909R1 (736)
LCPH ATI 5889 / PTO 5724 (709)	LCPH ATI 5953 / PTO 5737 (737)
LCPH ATI 5890 / PTO 5725 (710)	LCPH ATI 5954 / PTO 5910 (738)
LCPH ATI 5891 / PTO 5726 (711)	LCPH ATI 5970 / PTO 5911 (739)
LCPH ATI 5892 / PTO 5895 (712)	LCPH ATI 5971 / PTO 5912 (740)
LCPH ATI 5893 / PTO 5727 (713)	LCPH ATI 6111 / PTO 5922 (741)
LCPH ATI 5894 / PTO 5896 (714)	LCPH ATI 6177 / PTO 5951 (742)
LCPH ATI 5895 / PTO 5897 (715)	LCPH ATI 6262 / PTO 6083 (744)
LCPH ATI 6027 / PTO 5898 (716)	LCPH ATI 6529 / PTO 6435 (745) ²
LCPH ATI 5897 / PTO 5899 (717)	LCPH ATI 7254 / PTO 6967 (747) ²
LCPH ATI 5898 / PTO 5900 (718)	LCPH ATI 6391 / PTO 6218R1 (800)
LCPH ATI 5899 / PTO 5901 (719)	LCPH ATI 6595 / PTO 6490 (801) ²
LCPH ATI 5900 / PTO 5902 (720)	LCPH ATI 6596 / PTO 6491 (802) ²
LCPH ATI 5901 / PTO 5728 (721)	LCPH ATI 6597 / PTO 6492 (803) ²
LCPH ATI 5902 / PTO 5729 (722)	LCPH ATI 6598 / PTO 6493 (804) ²
LCPH ATI 5903 / PTO 5903 (723)	LCPH ATI 6599 / PTO 6494 (805) ²
LCPH ATI 5904 / PTO 5730R1 (724)	LCPH ATI 6603 / PTO 6495 (806) ²
LCPH ATI 5905 / PTO 5904 (725)	LCPH ATI 7061 / PTO 6835 (807) ²
LCPH ATI 5906 / PTO 5905 (726)	LCPH ATI 7076 / PTO 6836 (808) ²

¹ An exceedance of no visible emissions will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, Linn County may require additional proof to demonstrate compliance (e.g., stack testing).

² The observation of visible emissions of air contaminants as defined in LCCO Sec. 10-55 will require the owner/operator to promptly investigate the emission unit and make corrections to

operations or equipment associated with the visible emissions. If visible emissions continue after the corrections, Linn County may require additional proof to demonstrate compliance (e.g. stack testing).

Pollutant: Opacity

Emission Limit(s): 20%

Authority for Requirement: LCPH ATI 6934 / PTO 6700 (746)
LCCO Sec. 10-60

Pollutant: Particulate Matter

Emission Limit(s): 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"
LCCO Sec. 10-62(a)

EP	Pollutant	Emission Limit(s)	Authority for Requirement
310	PM/PM10	0.05 lbs/hr	LCPH ATI 6038 / PTO 5771
600	PM/PM10	0.07 lbs/hr	LCPH ATI 6390 / PTO 6118
	PM	0.1 gr/dscf	LCCO Sec. 10-62(a)(7)
601	PM/PM10	0.07 lbs/hr	LCPH ATI 7253 / PTO 6966
	PM	0.1 gr/dscf	LCCO Sec. 10-62(a)(7)
700	PM	0.10 lbs/hr	LCPH ATI 5828 / PTO 5619
701	PM	0.01 lbs/hr	LCPH ATI 5830 / PTO 5620
702	PM/PM10	0.03 lbs/hr	LCPH ATI 5882 / PTO 5891
703	PM/PM10	0.03 lbs/hr	LCPH ATI 5883 / PTO 5892
704	PM/PM10	0.03 lbs/hr	LCPH ATI 5884 / PTO 5893
705	PM/PM10	0.03 lbs/hr	LCPH ATI 5885 / PTO 5894
706	PM/PM10	0.02 lbs/hr	LCPH ATI 5886 / PTO 5721
707	PM/PM10	0.02 lbs/hr	LCPH ATI 5887 / PTO 5722
708	PM/PM10	0.02 lbs/hr	LCPH ATI 5888 / PTO 5723
709	PM/PM10	0.02 lbs/hr	LCPH ATI 5889 / PTO 5724
710	PM/PM10	0.01 lbs/hr	LCPH ATI 5890 / PTO 5725
711	PM/PM10	0.01 lbs/hr	LCPH ATI 5891 / PTO 5726
712	PM/PM10	0.01 lbs/hr	LCPH ATI 5892 / PTO 5895
713	PM/PM10	0.02 lbs/hr	LCPH ATI 5893 / PTO 5727
714	PM/PM10	0.02 lbs/hr	LCPH ATI 5894 / PTO 5896
715	PM/PM10	0.014 lbs/hr	LCPH ATI 5895 / PTO 5897
716	PM/PM10	0.16 lbs/hr	LCPH ATI 6027 / PTO 5898
717	PM/PM10	0.05 lbs/hr	LCPH ATI 5897 / PTO 5899
718	PM/PM10	0.02 lbs/hr	LCPH ATI 5898 / PTO 5900
719	PM/PM10	0.02 lbs/hr	LCPH ATI 5899 / PTO 5901
720	PM/PM10	0.05 lbs/hr	LCPH ATI 5900 / PTO 5902
721	PM/PM10	0.01 lbs/hr	LCPH ATI 5901 / PTO 5728
722	PM/PM10	0.03 lbs/hr	LCPH ATI 5902 / PTO 5729
723	PM/PM10	0.03 lbs/hr	LCPH ATI 5903 / PTO 5903
724	PM/PM10	0.003 lbs/hr	LCPH ATI 5904 / PTO 5730R1
725	PM/PM10	0.01 lbs/hr	LCPH ATI 5905 / PTO 5904
726	PM/PM10	0.08 lbs/hr	LCPH ATI 5906 / PTO 5905

EP	Pollutant	Emission Limit(s)	Authority for Requirement
727	PM/PM10	0.08 lbs/hr	LCPH ATI 5907 / PTO 5731
728	PM/PM10	0.16 lbs/hr	LCPH ATI 5908 / PTO 5732
729	PM/PM10	0.02 lbs/hr	LCPH ATI 5909 / PTO 5733
730	PM/PM10	0.02 lbs/hr	LCPH ATI 5910 / PTO 5734
731	PM/PM10	0.02 lbs/hr	LCPH ATI 5911 / PTO 5735
732	PM/PM10	0.02 lbs/hr	LCPH ATI 5912 / PTO 5736
733	PM/PM10	0.003 lbs/hr	LCPH ATI 5949 / PTO 5906
734	PM/PM10	0.003 lbs/hr	LCPH ATI 5950 / PTO 5907R1
735	PM/PM10	0.003 lbs/hr	LCPH ATI 5951 / PTO 5908R1
736	PM/PM10	0.0003 lbs/hr	LCPH ATI 5952 / PTO 5909R1
737	PM/PM10	0.17 lbs/hr	LCPH ATI 5953 / PTO 5737
738	PM/PM10	0.003 lbs/hr	LCPH ATI 5954 / PTO 5910
739	PM/PM10	0.02 lbs/hr	LCPH ATI 5970 / PTO 5911
740	PM/PM10	0.03 lbs/hr	LCPH ATI 5971 / PTO 5912
741	PM/PM10	0.16 lbs/hr	LCPH ATI 6111 / PTO 5922
742	PM/PM10	0.07 lbs/hr	LCPH ATI 6177 / PTO 5951
744	PM/PM10	0.04 lbs/hr	LCPH ATI 6262 / PTO 6083
	PM	0.1 gr/dscf	LCCO Sec. 10-62(a)(7)
745	PM/PM10	0.12 lbs/hr	LCPH ATI 6529 / PTO 6435
	PM	0.1 gr/dscf	LCCO Sec. 10-62(a)(7)
746	PM/PM10	0.01 lbs/hr	LCPH ATI 6934 / PTO 6700
	PM	0.1 gr/dscf	LCCO Sec. 10-62(a)(7)
747	PM/PM10	0.06 lbs/hr	LCPH ATI 7254 / PTO 6967
	PM	0.1 gr/dscf	LCCO Sec. 10-62(a)(7)
800	PM/PM10	0.05 lbs/hr	LCPH ATI 6391 / PTO 6218R1
	PM	0.1 gr/dscf	LCCO Sec. 10-62(a)(7)
801	PM/PM10	0.03 lbs/hr	LCPH ATI 6595 / PTO 6490
802	PM/PM10	0.03 lbs/hr	LCPH ATI 6596 / PTO 6491
803	PM/PM10	0.26 lbs/hr	LCPH ATI 6597 / PTO 6492
804	PM/PM10	0.03 lbs/hr	LCPH ATI 6598 / PTO 6493
805	PM/PM10	0.02 lbs/hr	LCPH ATI 6599 / PTO 6494
806	PM/PM10	0.04 lbs/hr	LCPH ATI 6603 / PTO 6495
807	PM/PM10	0.04 lbs/hr	LCPH ATI 7061 / PTO 6835
808	PM/PM10	0.007 lbs/hr	LCPH ATI 7076 / PTO 6836
	PM	0.1 gr/dscf	LCCO Sec. 10-62(a)(7)

Operational Limits & Requirements

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

Control Device

A baghouse shall be installed to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in 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 6038 / PTO 5771 (310)	LCPH ATI 5949 / PTO 5906 (733)
LCPH ATI 6390 / PTO 6118 (600)	LCPH ATI 5952 / PTO 5909R1 (736)
LCPH ATI 5890 / PTO 5725 (710)	LCPH ATI 5953 / PTO 5737 (737)
LCPH ATI 5891 / PTO 5726 (711)	LCPH ATI 5954 / PTO 5910 (738)
LCPH ATI 5892 / PTO 5895 (712)	LCPH ATI 5971 / PTO 5912 (740)
LCPH ATI 6027 / PTO 5898 (716)	LCPH ATI 6111 / PTO 5922 (741)
LCPH ATI 5897 / PTO 5899 (717)	LCPH ATI 6262 / PTO 6083 (744)
LCPH ATI 5898 / PTO 5900 (718)	LCPH ATI 6529 / PTO 6435 (745)
LCPH ATI 5905 / PTO 5904 (725)	LCPH ATI 6391 / PTO 6218R1 (800)
LCPH ATI 5906 / PTO 5905 (726)	LCPH ATI 6596 / PTO 6491 (802)
LCPH ATI 5907 / PTO 5731 (727)	LCPH ATI 6598 / PTO 6493 (804)
LCPHA TI 5908 / PTO 5732 (728)	LCPH ATI 6603 / PTO 6495 (806)

Bin vent filters shall be installed to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in 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 5828 / PTO 5619 (700)

A dust collector shall be installed to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in 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 5830 / PTO 5620 (701)

Cartridge filters shall be installed to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in 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 5882 / PTO 5891 (702)	LCPH ATI 5900 / PTO 5902 (720)
LCPH ATI 5883 / PTO 5892 (703)	LCPH ATI 5901 / PTO 5728 (721)
LCPH ATI 5884 / PTO 5893 (704)	LCPH ATI 5902 / PTO 5729 (722)
LCPH ATI 5885 / PTO 5894 (705)	LCPH ATI 5903 / PTO 5903 (723)
LCPH ATI 5886 / PTO 5721 (706)	LCPH ATI 5904 / PTO 5730R1 (724)
LCPH ATI 5887 / PTO 5722 (707)	LCPH ATI 5909 / PTO 5733 (729)
LCPH ATI 5888 / PTO 5723 (708)	LCPH ATI 5910 / PTO 5734 (730)
LCPH ATI 5889 / PTO 5724 (709)	LCPH ATI 5911 / PTO 5735 (731)
LCPH ATI 5893 / PTO 5727 (713)	LCPH ATI 5912 / PTO 5736 (732)
LCPH ATI 5894 / PTO 5896 (714)	LCPH ATI 5950 / PTO 5907R1 (734)
LCPH ATI 5895 / PTO 5897 (715)	LCPH ATI 5951 / PTO 5908R1 (735)
LCPH ATI 5899 / PTO 5901 (719)	LCPH ATI 5970 / PTO 5911 (739)

LCPH ATI 6177 / PTO 5951 (742)
LCPH ATI 6595 / PTO 6490 (801)

LCPH ATI 6597 / PTO 6492 (803)
LCPH ATI 6599 / PTO 6494 (805)

Operating Limits

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

- A. The differential pressure measured across the baghouse, CE 310, shall be maintained between 0.1 inches of water column and 8 inches of water column with the exception of unit startup. The differential pressure measured across the baghouse during the first five minutes of startup shall be maintained between 0.1 inches of water column and 13 inches of water column.
- B. The control equipment on this unit shall be maintained according to the manufacturer's specification and good operating practices.

Authority for Requirement: LCPH ATI 6038 / PTO 5771 (310)

- A. The pressure drop across the [control equipment] shall be maintained between 0.1 inches of water column and 8 inches of water column.
- B. The control equipment on this unit shall be maintained according to the manufacturer's specification and good operating practices.

Authority for Requirement:

LCPH ATI 6390 / PTO 6118 (600)
LCPH ATI 5828 / PTO 5619 (700)
LCPH ATI 5830 / PTO 5620 (701)
LCPH ATI 5882 / PTO 5891 (702)
LCPH ATI 5883 / PTO 5892 (703)
LCPH ATI 5884 / PTO 5893 (704)
LCPH ATI 5885 / PTO 5894 (705)
LCPH ATI 5886 / PTO 5721 (706)
LCPH ATI 5887 / PTO 5722 (707)
LCPH ATI 5888 / PTO 5723 (708)
LCPH ATI 5889 / PTO 5724 (709)
LCPH ATI 5890 / PTO 5725 (710)
LCPH ATI 5891 / PTO 5726 (711)
LCPH ATI 5892 / PTO 5895 (712)
LCPH ATI 5893 / PTO 5727 (713)
LCPH ATI 5894 / PTO 5896 (714)
LCPH ATI 5895 / PTO 5897 (715)
LCPH ATI 6027 / PTO 5898 (716)
LCPH ATI 5897 / PTO 5899 (717)
LCPH ATI 5898 / PTO 5900 (718)
LCPH ATI 5899 / PTO 5901 (719)
LCPH ATI 5900 / PTO 5902 (720)
LCPH ATI 5901 / PTO 5728 (721)
LCPH ATI 5902 / PTO 5729 (722)
LCPH ATI 5903 / PTO 5903 (723)
LCPH ATI 5904 / PTO 5730R1 (724)

LCPH ATI 5905 / PTO 5904 (725)
LCPH ATI 5906 / PTO 5905 (726)
LCPH ATI 5907 / PTO 5731 (727)
LCPH ATI 5908 / PTO 5732 (728)
LCPH ATI 5909 / PTO 5733 (729)
LCPH ATI 5910 / PTO 5734 (730)
LCPH ATI 5911 / PTO 5735 (731)
LCPH ATI 5912 / PTO 5736 (732)
LCPH ATI 5949 / PTO 5906 (733)
LCPH ATI 5950 / PTO 5907R1 (734)
LCPH ATI 5951 / PTO 5908R1 (735)
LCPH ATI 5952 / PTO 5909R1 (736)
LCPH ATI 5953 / PTO 5737 (737)
LCPH ATI 5954 / PTO 5910 (738)
LCPH ATI 5970 / PTO 5911 (739)
LCPH ATI 5971 / PTO 5912 (740)
LCPH ATI 6111 / PTO 5922 (741)
LCPH ATI 6177 / PTO 5951 (742)
LCPH ATI 6262 / PTO 6083 (744)
LCPH ATI 6529 / PTO 6435 (745)
LCPH ATI 6391 / PTO 6218R1 (800)
LCPH ATI 6595 / PTO 6490 (801)
LCPH ATI 6596 / PTO 6491 (802)
LCPH ATI 6598 / PTO 6493 (804)
LCPH ATI 6603 / PTO 6495 (806)

- A. The pressure drop across the [control equipment] shall be maintained between 0.1 inches of water column and 12 inches of water column.
- B. The control equipment shall be maintained according to the manufacturer's specifications and good operating practices.

Authority for Requirement: LCPH ATI 6597 / PTO 6492 (803)
 LCPH ATI 6599 / PTO 6494 (805)

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the 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. These records shall show the following:

- A. Monitor and record the differential pressure on the [control equipment] on a weekly basis while the control equipment and emission unit are in operation.
- B. Monitor and record any maintenance and repair completed on the control equipment.

Authority for Requirement:

- | | |
|----------------------------------|----------------------------------|
| LCPH ATI 6038 / PTO 5771 (310) | LCPH ATI 5905 / PTO 5904 (725) |
| LCPH ATI 6390 / PTO 6118 (600) | LCPH ATI 5906 / PTO 5905 (726) |
| LCPH ATI 5828 / PTO 5619 (700) | LCPH ATI 5907 / PTO 5731 (727) |
| LCPH ATI 5830 / PTO 5620 (701) | LCPH ATI 5908 / PTO 5732 (728) |
| LCPH ATI 5882 / PTO 5891 (702) | LCPH ATI 5909 / PTO 5733 (729) |
| LCPH ATI 5883 / PTO 5892 (703) | LCPH ATI 5910 / PTO 5734 (730) |
| LCPH ATI 5884 / PTO 5893 (704) | LCPH ATI 5911 / PTO 5735 (731) |
| LCPH ATI 5885 / PTO 5894 (705) | LCPH ATI 5912 / PTO 5736 (732) |
| LCPH ATI 5886 / PTO 5721 (706) | LCPH ATI 5949 / PTO 5906 (733) |
| LCPH ATI 5887 / PTO 5722 (707) | LCPH ATI 5950 / PTO 5907R1 (734) |
| LCPH ATI 5888 / PTO 5723 (708) | LCPH ATI 5951 / PTO 5908R1 (735) |
| LCPH ATI 5889 / PTO 5724 (709) | LCPH ATI 5952 / PTO 5909R1 (736) |
| LCPH ATI 5890 / PTO 5725 (710) | LCPH ATI 5953 / PTO 5737 (737) |
| LCPH ATI 5891 / PTO 5726 (711) | LCPH ATI 5954 / PTO 5910 (738) |
| LCPH ATI 5892 / PTO 5895 (712) | LCPH ATI 5970 / PTO 5911 (739) |
| LCPH ATI 5893 / PTO 5727 (713) | LCPH ATI 5971 / PTO 5912 (740) |
| LCPH ATI 5894 / PTO 5896 (714) | LCPH ATI 6111 / PTO 5922 (741) |
| LCPH ATI 5895 / PTO 5897 (715) | LCPH ATI 6177 / PTO 5951 (742) |
| LCPH ATI 6027 / PTO 5898 (716) | LCPH ATI 6262 / PTO 6083 (744) |
| LCPH ATI 5897 / PTO 5899 (717) | LCPH ATI 6529 / PTO 6435 (745) |
| LCPH ATI 5898 / PTO 5900 (718) | LCPH ATI 6391 / PTO 6218R1 (800) |
| LCPH ATI 5899 / PTO 5901 (719) | LCPH ATI 6595 / PTO 6490 (801) |
| LCPH ATI 5900 / PTO 5902 (720) | LCPH ATI 6596 / PTO 6491 (802) |
| LCPH ATI 5901 / PTO 5728 (721) | LCPH ATI 6597 / PTO 6492 (803) |
| LCPH ATI 5902 / PTO 5729 (722) | LCPH ATI 6598 / PTO 6493 (804) |
| LCPH ATI 5903 / PTO 5903 (723) | LCPH ATI 6599 / PTO 6494 (805) |
| LCPH ATI 5904 / PTO 5730R1 (724) | LCPH ATI 6603 / PTO 6495 (806) |

Operating Requirements with Associated Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives.

- A. The [control equipment] on this emission unit shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all maintenance completed on the control equipment.
- B. The normal differential pressure across the [control equipment] shall be maintained between 0.1" and 8" of water column. The owner or operator shall monitor and record the differential pressure across the cartridge filters on a weekly basis, while the control equipment is in operation.

Authority for Requirement: LCPH ATI 6934 / PTO 6700 (746)
 LCPH ATI 7061 / PTO 6835 (807)
 LCPH ATI 7061 / PTO 6835 (808)

- A. The pressure drop across the [control equipment] shall be maintained between 0.1" and 8" of water column. The owner or operator shall monitor and record pressure drop on a weekly basis while the control equipment is in operation.
- B. The control equipment on these emission units shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall maintain records of all maintenance completed on the control equipment.

Authority for Requirement: LCPH ATI 7523 / PTO 6966 (601)
 LCPH ATI 7524 / PTO 6967 (747)

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)
310	6038 / 5771	NA	Inside Vented	NA	145	1,520
600	6390 / 6118	NA	Inside Vented	NA	70	2,000
601	7253 / 6966	NA	Inside Vented	NA	Ambient	1,644
700	5828 / 5619	NA	Inside Vented	NA	NA	3,000
701	5830 / 5620	NA	Inside Vented	NA	100	320
702	5882 / 5891	NA	Inside Vented	NA	70	1,000
703	5883 / 5892	NA	Inside Vented	NA	Ambient	1,000
704	5884 / 5893	NA	Inside Vented	NA	Ambient	1,000
705	5885 / 5894	NA	Inside Vented	NA	Ambient	1,000
706	5886 / 5721	NA	Inside Vented	NA	Ambient	500
707	5887 / 5722	NA	Inside Vented	NA	Ambient	500
708	5888 / 5723	NA	Inside Vented	NA	Ambient	700
709	5889 / 5724	NA	Inside Vented	NA	Ambient	700
710	5890 / 5725	NA	Inside Vented	NA	Ambient	300
711	5891 / 5726	NA	Inside Vented	NA	Ambient	300
712	5892 / 5895	NA	Inside Vented	NA	Ambient	300

EP	LCPH ATI/PTO	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Exhaust Temp. (°F)	Exhaust Flowrate (scfm)
713	5893 / 5727	NA	Inside Vented	NA	Ambient	500
714	5894 / 5896	NA	Inside Vented	NA	Ambient	700
715	5895 / 5897	NA	Inside Vented	NA	Ambient	400
716	6027 / 5898	NA	Inside Vented	NA	120	4,700
717	5897 / 5899	NA	Inside Vented	NA	Ambient	1,500
718	5898 / 5900	NA	Inside Vented	NA	Ambient	700
719	5899 / 5901	NA	Inside Vented	NA	Ambient	700
720	5900 / 5902	NA	Inside Vented	NA	Ambient	1,600
721	5901 / 5728	NA	Inside Vented	NA	Ambient	300
722	5902 / 5729	NA	Inside Vented	NA	Ambient	1,000
723	5903 / 5903	NA	Inside Vented	NA	Ambient	1,000
724	5904 / 5730R1	NA	Inside Vented	NA	Ambient	100
725	5905 / 5904	NA	Inside Vented	NA	Ambient	4,000
726	5906 / 5905	NA	Inside Vented	NA	Ambient	2,400
727	5907 / 5906	NA	Inside Vented	NA	Ambient	2,200
728	5908 / 5732	NA	Inside Vented	NA	Ambient	4,600
729	5909 / 5733	NA	Inside Vented	NA	Ambient	500
730	5910 / 5734	NA	Inside Vented	NA	Ambient	500
731	5911 / 5735	NA	Inside Vented	NA	Ambient	500
732	5912 / 5736	NA	Inside Vented	NA	Ambient	500
733	5949 / 5906	NA	Inside Vented	NA	Ambient	100
734	5950 / 5907R1	NA	Inside Vented	NA	Ambient	100
735	5951 / 5908R1	NA	Inside Vented	NA	Ambient	100
736	5952 / 5909R1	NA	Inside Vented	NA	Ambient	<10
737	5953 / 5737	NA	Inside Vented	NA	Ambient	5,000
738	5954 / 5910	NA	Inside Vented	NA	Ambient	100
739	5970 / 5911	NA	Inside Vented	NA	Ambient	560
740	5971 / 5912	NA	Inside Vented	NA	Ambient	850
741	6111 / 5922	NA	Inside Vented	NA	70	4,800
742	6177 / 5951	NA	Inside Vented	NA	100	2,000
744	6262 / 6083	NA	Inside Vented	NA	70	1,254
745	6529 / 6435	NA	Inside Vented	NA	70	3,500
746	6934 / 6700	NA	Inside Vented	NA	140	270
747	7524 / 6967	NA	Indoor Vented	NA	70	1,600
800	6391 / 6218R1	NA	Inside Vented	NA	70	1,500
801	6595 / 6490	NA	Inside Vented	NA	70	879
802	6596 / 6491	NA	Inside Vented	NA	70	865
803	6597 / 6492	NA	Inside Vented	NA	70	7,450
804	6598 / 6493	NA	Inside Vented	NA	70	865
805	6599 / 6494	NA	Inside Vented	NA	70	626
806	6603 / 6495	NA	Inside Vented	NA	70	1,200
807	7061 / 6835	NA	Inside Vented	NA	150	1,000

EP	LCPH ATI/PTO	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Exhaust Temp. (°F)	Exhaust Flowrate (scfm)
808	7076 / 6836		Inside Vented		Ambient	200

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 either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request 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 ¹ No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

¹Required for EP 600, 601, 700, 716, 726, 727, 728, 737, 741, 742, 745, 747, 800, 803, 806, and 807.

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that is representative of the source’s compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six (6) months of the issuance date of this permit for EP's 601, 747, 800, and 803. The data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility’s implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

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; and
 - f. The operating conditions as existing at the time of sampling or measurement.
 - 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.

b. Written Reporting of Excess Emissions. A written report of an incident of excess emission shall be submitted as a follow-up to all required initial reports to the department within seven days of the onset of the upset condition, and shall include as a minimum the following:

- i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.
- ii. The estimated quantity of the excess emission.
- iii. The time and duration of the excess emission.
- iv. The cause of the excess emission.
- v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.
- vi. The steps that were taken to limit the excess emission.
- vii. If the owner claims that the excess emission was due to malfunction,

documentation to support this claim. *567 IAC 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.

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.

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.
 - c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 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 9th 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 9th 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 Branch
1240 26th Avenue Ct SW
Cedar Rapids, IA 52404
(319) 892-6000

V. Appendix A: Applicable Federal Requirements

New Source Performance Standards

[40 CFR Part 60 Subpart A](#) – *General Provisions*

[40 CFR Part 60 Subpart Dc](#) – *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units*

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

[40 CFR Part 60 Subpart JJJJ](#) – *Standards of Performance for Stationary Spark 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/new-source-performance-standards-region-7>

National Emission Standards for Hazardous Air Pollutants

[40 CFR Part 63 Subpart A](#) – *General Provisions*

[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 NESHAP rules, EPA Region 7 staff contact information (for questions pertaining to the rule), compliance assistance links and a link to each NESHAP can be found at the link below: <https://www.epa.gov/caa-permitting/maximum-achievable-control-technology-standards-region-7>