

**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-016R3**  
**Expiration Date: May 31, 2029**  
**Permit Renewal Application Deadline: November 30, 2028**

**EIQ Number: 92-9085**  
**Facility File Number: 57-01-012**

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**Responsible Official**

**Name: Mr. Peter Bittorf**  
**Title: Plant Manager**  
**Mailing Address: PO Box 3007, Cedar Rapids, IA 52406-3007**  
**Phone #: (319) 390-2300**

**Permit Contact Person for the Facility**

**Name: Ms. Wendy Benischek**  
**Title: Environmental Specialist**  
**Mailing Address: PO Box 3007, Cedar Rapids, IA 52406-3007**  
**Phone #: (319) 721-0789**

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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**



06/01/2024

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Marnie Stein, Supervisor of Air Operating Permits Section

Date

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## Abbreviations

acfm	actual cubic feet per minute
ATI	authorization to install
bhp	brake horsepower
CFR	Code of Federal Regulation
CI	compression ignition
CE	control equipment
CEM	continuous emission monitor
°F	degrees Fahrenheit
EIQ	emissions inventory questionnaire
EP	emission point
EU	emission unit
gph	gallons per hour
gr./dscf	grains per dry standard cubic foot
gr./100 cf	grains per one hundred cubic feet
IAC	Iowa Administrative Code
ICE	internal combustion engine
IDNR	Iowa Department of Natural Resources
LCPH	Linn County Public Health
LCO	Linn County Ordinance
MMBtu/hr	million British thermal units per hour
MVAC	motor vehicle air conditioner
NAICS	North American Industry Classification System
NESHAP	National Emission Standards for Hazardous Air Pollutants
NSPS	new source performance standard
PTO	permit to operate
ppmv	parts per million by volume
lb./hr	pounds per hour
lb./MMBtu	pounds per million British thermal units
RICE	reciprocating internal combustion engine
scfm	standard cubic feet per minute
SI	spark ignition
SIC	Standard Industrial Classification
tph	tons per hour
tpy	tons per year
USEPA	United States Environmental Protection Agency
V	Vertical (without rain cap or obstruction)
VR	Vertical with rain cap or obstruction

## Pollutants

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

# I. Facility Description and Equipment List

Facility Name: GM Cereal Properties, Inc.

Permit Number: 04-TV-016R3

Facility Description: Breakfast Cereal Manufacturing Facility (SIC 2043)

**Table 1 - Equipment List**

<b>Emission Point Number</b>	<b>Emission Unit Number</b>	<b>Emission Unit Description</b>	<b>Construction Permit Number(s) (LCPH ATI / PTO)</b>
1	001A	Boiler #1 (Natural Gas)	40B / 4581-R3
	001B	Boiler #1 (Propane)	
2	002A	Boiler #2 (Natural Gas)	40B / 4582-R3
	002B	Boiler #2 (Propane)	
102	102	Dryer	4324 / 4520-R2
103	103	Dryer	5826 / 5564-R1
104	104	Cookers	4931 / 5023-R2
105	105	Product Receiver	6228 / 6006
107	107	Shaper	6930 / 6701
	177A	Dryer	
108	108	Shaper	6931 / 6702
	177B	Dryer	
109	109	Shaper	6887 / 6703
	138A	Dryer	
125	125	Slurry	4329 / 4523-R1
130	130	Dryer	5719 / 5961-R1
132	132A	Preheater (Natural Gas)	6178 / 5939-R1
	132B	Preheater (Propane)	
134	134	Dryer	5721 / 5936-R1
135	135	Shaper	6888 / 6704
	138B	Dryer	
137	137	Dryer	5700 / 5965-R1
138	138	Dryer	5947 / 5683-R1
139	139A	Preheater (Natural Gas)	2317 / 4601-R3
	139B	Preheater (Propane)	
140	140A	Preheater (Natural Gas)	2316 / 4602-R2
	140B	Preheater (Propane)	
141	141A	Preheater (Natural Gas)	2324 / 4603-R3
	141B	Preheater (Propane)	
145	145C	Shaper	6932 / 6699
	177C	Dryer	
146	146	Shaper	6889 / 6697
	138C	Dryer	
147	147	Shaper	6890 / 6698
	138D	Dryer	
148	148	Liquid Mix	5827 / 5564-R1
150	150A	Preheater (Natural Gas)	5818 / 5566-R2
	150B	Preheater (Propane)	
151	151A	Preheater (Natural Gas)	6179 / 5940-R1
	151B	Preheater (Propane)	
152	152	Base Bin	5374 / 5375-R1
159	159	Propane Gas Feed Vaporizer	6633 / 6470-R1

160	160	Central Vacuum System	6233 / 6007-R1
161	161	Dryer	5141 / 5087-R2
162	162	Emergency Diesel Generator	7435 / 7132-R2
164	164A	Preheater (Natural Gas)	6621 / 6458-R1
	164B	Preheater (Propane)	
166	166A	Shop Emergency Generator (Standby) (Natural Gas)	6236 / 6010-R1
	166B	Shop Emergency Generator (Standby) (Propane)	
167	167	Emergency Diesel Generator	7436 / 7133-R1
168	168	Extruder	5863 / 5772-R1
169	169	Pelletizer	5864 / 5773-R1
170	170	Dryer	7459 / 7220
171	171A	Preheater	6744 / 6530-R1
	171B	Shaper	
	171C	Blower	
172	172	Heater	5867 / 5776-R2
173	173	Dryer	5868 / 5777-R2
174	174A	Mix	5869 / 5778-R1
	174B	Slurry	
	174C	Enrober	
175	175	Dryer	5870 / 5779-R2
176	176	Cooler	5871 / 5780-R2
177	177	Dryer	5948 / 5684-R1
178	178A	Water Heater (Natural Gas)	7437 / 7127-R1
	178B	Water Heater (Propane)	
179	179	Propane Burner	6002 / 5720-R3
180	180	Product Receiver	6436 / 6219-R1
181	181A	MCC Emergency Generator (Natural Gas)	6297 / 6135-R3
182	182A	Cooker	6743 / 6553-R1
	182B	Cooker	
183	183	Packaging System	6751 / 6554
184	184	Emergency Fire Pump	Exempt
200	200	Product Receiver	6238 / 6012-R1
305	305	Dryer	5980 / 5662
306	306	Dryer	5981 / 5663
308	308A	Product Receiver	7228 / 6939
	308B	Product Receiver	
	308C	Product Receiver	
309	309A	Dryer	7438 / 7215
	309B	Dryer	
	309E	Dryer	
	309F	Dryer	
310	310	Receiver	6038 / 5771-R1
313	313A	Boiler #3 (Natural Gas)	2533 / 4538-R3
	313B	Boiler #3 (Propane)	
321	321A	Water Heater (Natural Gas)	3886 / 4584-R3
	321B	Water Heater (Propane)	
322	322A	Water Heater (Natural Gas)	7440 / 7128-R1
	322B	Water Heater (Propane)	
324	309C	Dryer	7549 / 7361
	309D	Dryer	
325	325	Dryer	7240 / 6968
326	326	Dryer	7241 / 6969
327	327A	Boiler #4 (Natural Gas)	4009 / 4586-R3
	327B	Boiler #4 (Propane)	
330	330	Emergency Diesel Generator	7441 / 7134-R2
339	339	Material Conditioner	5724 / 5542-R2

340	340	Packaging System	7788 / 7532
344	344	Packaging System	7789 / 7533
345	345	Emergency Diesel Generator	7499 / 7273-R1
346	309A	Dryer	7439 / 7216
	309B	Dryer	
	309E	Dryer	
	309F	Dryer	
347	347	Boiler 5	7550 / 7363-R1
348	309A	Dryer	7577 / 7293
	309B	Dryer	
	309E	Dryer	
	309F	Dryer	
400	400	F-2 Condenser #4	5509 / 5377-R1
500	500	C-1 Condenser #3	5688 / 5522-R1
501	501	Condenser #3	5862 / 5755-R1
502	502	C-1 Condenser #4	6384 / 6117-R2
600	600	Receiver	6390 / 6118-R1
601	601A	Ingredient Weigh Platform	7253 / 6966-R1
	601B	Supersack Unloading	
602	602	Blender	7729 / 7451-R1
603	603	Bin	7803
700	700	Receiver	5828 / 5619-R1
701	701	Receiver	5830 / 5620-R1
702	702	Receiver	5882 / 5891-R1
703	703	Receiver	5883 / 5892-R1
704	704	Receiver	5884 / 5893-R1
705	705	Receiver	7460 / 7221-R1
706	706	Receiver	5886 / 5721-R1
707	707	Receiver	5887 / 5722-R1
708	708	Receiver	5888 / 5723-R1
709	709	Hopper	5889 / 5724-R1
710	710	Bag Dump	5890 / 5725-R1
711	711	Bag Dump	5891 / 5726-R1
712	712	Bag Dump	5892 / 5895-R1
713	713	Receiver	5893 / 5727-R1
714	714	Receiver	5894 / 5896-R1
715	715A	Mixer	5895 / 5897-R1
	715B	Receiver	
	715C	Bin	
716	716A	Product Receiver	6027 / 5898-R1
	716B	Blowers and Aspirator	
	716C	Blower	
	716D	Blower	
717	717A	Blower	5897 / 5899-R1
	717B	Bin	
	717C	Bin	
718	718	Blower	5898 / 5900-R1
719	719	Receiver	5899 / 5901-R1
720	720	Super Sack	5900 / 5902-R1
721	721	Receiver	5901 / 5728-R1
722	722	Receiver	7461 / 7222-R1
723	723	Receiver	5903 / 5903-R1
724	724	Airlock	5904 / 5730-R2
725	725	Air Classifier	5905 / 5904-R1
726	726A	Bin	5906 / 5905-R1
	726B	Bin	
	726C	Bin	

	726D	Bin	
727	727	Bulk Tote	7496 / 7217-R1
728	728A	Bin	5908 / 5732-R1
	728B	Bin	
729	729	Receiver	5909 / 5733-R1
730	730	Receiver	5910 / 5734-R1
731	731	Receiver	5911 / 5735-R1
732	732	Receiver	5912 / 5736-R1
733	733	Hopper	5949 / 5906-R1
734	734	Hopper	5950 / 5907-R2
735	735	Hopper	5951 / 5908-R2
736	736	Hopper	5952 / 5909-R2
737	737	Conveyor	5953 / 5737-R1
738	738	Hopper	5954 / 5910-R1
739	739	Weigh Station	5970 / 5911-R1
740	740	Bead Blaster	5971 / 5912-R1
741	741	Receiver	6111 / 5922-R1
742	742	Grinder	6177 / 5951-R1
744	744	Receiver	6262 / 6083-R1
745	745	Cereal Blending System	6529 / 6435-R1
746	746	RTC Filter and Hopper	6934 / 6700-R1
747	747A	Baggers 1	7254 / 6967-R1
	747B	Baggers 2	
	747C	Baggers 3	
	747D	Baggers 4	
	747E	Baggers 5	
	747F	Baggers 6	
748	748A	Conveyors	7772 / 7514-R1
	748B	Fillers (3)	
749	749A	Baggers (3)	7773 / 7515-R1
	749B	Baggers (3)	
750	750	Bins (4)	7796 / 7542
800	800	Receiver	6391 / 6218-R2
801	801	Receiver	6595 / 6490-R1
802	802	Receiver	6596 / 6491-R1
803	803	Dust Collector	6597 / 6492-R1
804	804	Bag Dump	6598 / 6493-R1
805	805	Receiver	6599 / 6494-R1
806	806	Vacuum System	6603 / 6495-R1
807	807	Starch Receiver	7061 / 6835-R1
808	808	Starch Hopper	7076 / 6836-R1
809	809	Unloader	7602 / 7382-R1
810	810	Bin	7601 / 7437-R1
811	811	Blender	7658 / 7433-R1
812	812	Vacuum Receiver	7771

**Table 2 - Insignificant Activities Equipment List**

<b>Insignificant Emission Unit Number</b>	<b>Insignificant Emission Unit Description</b>
INSFUG2	Maintenance Sand Blasting Areas
INSFUG3	Maintenance Welding Areas
INSFUG4	Inside Non-Permitted Dust Collectors
INSFUG5	By Product Load Out
INSFUG6	Maintenance Part 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 Tank
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-016R3

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 1, 2024  
 Ending on: May 31, 2029

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:*

**Table 3 - Facility NO<sub>x</sub> Bubble Limit**

The plant-wide Nitrogen Oxide (NO<sub>x</sub>) emission limit of 235 tpy<sup>1</sup> shall apply to the following emission units:

Emission Point	Emission Unit	Emission Unit Description	Authority for Requirement (LCPH ATI / PTO)
1	001	Boiler #1	40B / 4581-R2
2	002	Boiler #2	40B / 4582-R2
132	132	Gas Fired Preheater	6178 / 5939
139	139	Gas Fired Preheater	2317 / 4601-R2
140	140	Gas Fired Preheater	2316 / 4602-R1
141	141	Gas Fired Preheater	2324 / 4603-R2
150	150	Gas Fired Preheater	5818 / 5566-R1
151	151	Gas Fired Preheater	6179 / 5940
159	159	Propane Gas Feeder Vaporizer	6633 / 6470
162	162	Emergency Diesel Generator	6234 / 6008
164	164	Gas Fired Preheater	6621 / 6458
166	166	Shop Emergency Generator (Standby)	6236 / 6010
167	167	Emergency Generator	6237 / 6011
172	172	Heater	5867 / 5776-R1
178	178	Water Heater	5979 / 5781
179	179	Propane Purge Burner	6002 / 5720-R2
181	181	MCC Emergency Generator	6297 / 6135-R1
184	184	Fire Pump	-- / --
313	313	Boiler #3	2533 / 4583-R2
321	321	Water Heater	3886 / 4584-R2
322	322	Water Heater	3887 / 4585-R2
327	327	Boiler #4	4009 / 4586-R2
330	330	Emergency Diesel Generator	4144 / 4644-R4

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<sup>1</sup> The emission limit is based on a 12-month rolling total.

**Facility Operating Requirements with Associated Monitoring and Recordkeeping**

- A. Emission units shall use only natural gas, propane, and/or diesel fuel.
- B. Propane usage shall be limited to 12,000,000 gallons per year based on a 12-month rolling total.
  - (1) On a monthly basis track the total gallons of propane used and calculate propane fuel usage using a 12-month rolling total for all emission points identified in Table 3.
  - (2) On a monthly basis calculate the total NO<sub>x</sub> emissions from burning propane for emission sources identified in Table 3. Apply this to a 12-month rolling NO<sub>x</sub> total.
- C. On a monthly basis track the total amount of natural gas used and calculate natural gas fuel usage using a 12-month rolling total for all emission points identified in Table 3.
- D. On a monthly basis calculate the total NO<sub>x</sub> emissions from burning natural gas for emission sources identified in Table 3. Apply this to a 12-month rolling NO<sub>x</sub> total.
- E. On a monthly basis track the total amount of diesel fuel used and calculate diesel fuel usage using a 12-month rolling total for all emission points identified in Table 3.
- F. On a monthly basis calculate the total NO<sub>x</sub> emissions from burning diesel fuel for emission sources identified in Table 3. Apply this to a 12-month rolling NO<sub>x</sub> total.

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The combined Volatile Organic Compounds (VOC) emission limit of 226 tpy<sup>1</sup> shall not be exceeded for the following emission units and all fugitive flavoring emissions:

**Table 4 - Facility Flavorings VOC Bubble Limit**

<b>Emission Point</b>	<b>Emission Unit</b>	<b>Authority for Requirement (LCPH ATI / PTO)</b>
305	305	5980 / 5662
306	306	5981 / 5663
309	309A	7438 / 7215 7439 / 7216 7577 / 7293
	309B	
	309E	
	309F	
324	309C	7549 / 7361
	309D	
325	325	7240 / 6968
326	326	7241 / 6969

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<sup>1</sup> The emission limit is based on a 12-month rolling total.

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**Table 5 - Compliance Demonstration**

EP	Pollutant	Compliance Methodology	Frequency	Test Run Time	Test Method
305, 306 309, 324	VOC	Mass Balance <sup>1</sup>	Monthly	NA	NA
325, 326 346, 348	Propylene Glycol	Analysis <sup>2</sup>	Biennial	NA	NA

<sup>1</sup> 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.

<sup>2</sup> Test one (1) fruit sample every other calendar year for retention of the propylene glycol.

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***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

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**Emission Limits**

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

Opacity (visible emissions): 20% opacity

Authority for Requirement: LCCO Sec. 10-60(a)

Sulfur Dioxide (SO<sub>2</sub>): 500 parts per million by volume  
Authority for Requirement: 567 IAC 23.3(3)"e"; LCCO Sec. 10-65(a)(2)

Particulate Matter:

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

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

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

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

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

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

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

Fugitive Dust: Attainment and Unclassified Areas - A person shall take reasonable precautions to prevent particulate matter from becoming airborne in quantities sufficient to cause a nuisance as defined in Iowa Code section 657.1 when the person allows, causes or permits any materials to be handled, transported or stored or a building, its appurtenances or a construction haul road to be used, constructed, altered, repaired or demolished, with the exception of farming operations or dust generated by ordinary travel on unpaved roads. Ordinary travel includes routine traffic and road maintenance activities such as scarifying, compacting, transporting road maintenance surfacing material, and scraping of the unpaved public road surface. (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, racetracks and other surfaces which can give rise to airborne dusts.
3. Installation and use of containment or control equipment, to enclose or otherwise limit the emissions resulting from the handling and transfer of dusty materials, such as but not limited to grain, fertilizers, or limestone.
4. Covering at all times when in motion, open-bodied vehicles transporting materials likely to give rise to airborne dusts.
5. Prompt removal of earth or other material from paved streets or to which earth or other material has been transported by trucking or earth-moving equipment, erosion by water or other means.
6. Reducing the speed of vehicles traveling over on-property surfaces as necessary to minimize the generation of airborne dusts.

Authority for Requirement: 567 IAC 23.3(2)"c"; LCO Sec. 10-66

### **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

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### **40 CFR 60 Subpart Dc Requirements**

This facility is subject to Standards of Performance Standards for Small Industrial-Commercial-Institutional Steam Generating Units. Affected unit(s) at the facility are EUs 313, 327, and 347.

Authority for Requirement: 40 CFR Part 60 Subpart Dc  
567 IAC 23.1(2)"III"  
LCO Sec. 10-62(b)(64)

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### **40 CFR 60 Subpart IIII Requirements**

This facility is subject to Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. Affected unit(s) at the facility are EUs 167 and 345.

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

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### **40 CFR 60 Subpart JJJJ Requirements**

This facility is subject to Standards of Performance for Stationary Spark Ignition Internal Combustion Engines. Affected unit(s) at the facility is EU181.

Authority for Requirement: 40 CFR Part 60 Subpart JJJJ  
567 IAC 23.1(2)"zzz"  
LCO Sec. 10-62(b)(78)

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### **40 CFR 63 Subpart ZZZZ Requirements**

This facility is subject to National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. Affected unit(s) at the facility are EUs 162, 166, 167, 181, 184, 330, and 345.

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

### III. Emission Point-Specific Conditions

Facility Name: **GM Cereal Properties, Inc.**  
 Permit Number: **04-TV-016R3**

**Emission Point ID Number: 1, 2, 313, 327, 347**

**Table 6 - Associated Equipment**

EP	EU	EU Description	Fuel	Rated Capacity	CE	CE Description
1	001A	Boiler 1	Natural Gas	40 MMBtu/hr	--	--
	001B		Propane			
2	002A	Boiler 2	Natural Gas	40 MMBtu/hr	--	--
	002B		Propane			
313	313A	Boiler 3	Natural Gas	48.25 MMBtu/hr	--	--
	313B		Propane			
327	327A	Boiler 4	Natural Gas	48.3 MMBtu/hr	--	--
	327B		Propane			
347	347	Boiler 5	Natural Gas	25 MMBtu/hr	347	Flue Gas Recirculation

#### Applicable Requirements

**Table 7 - Emission Limits**

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement (LCPH ATI / PTO)
1	Opacity	20%	LCO Sec. 10-60(a)	40B / 4581-R3 40B / 4582-R3 2553 / 4538-R3 4009 / 4586-R3 7550 / 7363-R1
	2	PM	0.29 lb/MMBtu	
313	SO <sub>2</sub>	500 ppm <sub>v</sub>	567 IAC 23.3(3)"e"	
327			LCO Sec. 10-65(a)(2)	
347	NO <sub>x</sub>	235 tpy Facility-wide Total		
1	PM/PM <sub>10</sub>	0.3 lb/hr		
2	PM/PM <sub>10</sub>	0.3 lb/hr		
313	PM/PM <sub>10</sub>	0.37 lb/hr		
327	PM/PM <sub>10</sub>	0.37 lb/hr		
347	PM/PM <sub>10</sub>	0.19 lb/hr		

#### Operational Limits & Requirements

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

See Plant-Wide Conditions, Facility NOx Bubble Limits section, for facility operating requirements with associated monitoring and recordkeeping that apply to these emission points.

#### **Federal Standards**

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

**Table 8 - Applicable NSPS Standards**

EU ID	Subpart	Title	Type	Local Reference (LCO Sec.)	Federal Reference (40 CFR)
313	A	General Conditions	--	10-62(b)	§60.1 – §60.19
327 347	Dc	Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	Natural Gas	10-62(b)(64)	§60.40c – §60.48c

Authority for Requirement: LCPH ATI 2533 / PTO 4583-R3; LCPH ATI 4009 / PTO 4586-R3; LCPH ATI 7550 / PTO 7363-R1; 567 IAC 23.1(2)"III"; LCO Sec. 10-62(b)(64); 40 CFR 60 Subpart Dc

**Operating Requirements with Associated Monitoring and Recordkeeping**

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

- A. The owner or operator shall combust pipeline quality natural gas as defined in §60.41c or 40 CFR §63.11237 in the boilers listed in Table [6].
- B. The Flue Gas Recirculation (FGR) system (CE347) shall be operated whenever EU347 is operated.
- C. The owner or operator shall comply with the applicable reporting and recordkeeping requirements of 40 CFR 60.48c.
  - (1) Pursuant to 60.48c(g)(2), the owner or operator of an affected facility that combusts only natural gas may elect to record and maintain records of the amount of fuel combusted during each calendar month in lieu of recording and maintaining records daily.
- D. The owner or operator shall meet the operating limits and recordkeeping requirements listed in [Plantwide Conditions].

**Table 9 - Emission Point Characteristics**

These emission points shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement (LCPH ATI / PTO)
1	78	V	36	450	5,665 scfm	40B / 4581-R3
2	78	V	36	450	5,665 scfm	40B / 4582-R3
313	104	V	36	450	5,669 scfm	2553 / 4538-R3
327	104	V	36	450	5,689 scfm	4009 / 4586-R3
347	30	V	24	160	417 scfm	7550 / 7363-R1

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 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: 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**

**Table 10 - Associated Equipment**

EP	EU	EU Description	Raw Material	Rated Capacity	CE	CE Description
102	102	Dryer	Finished Cereal	13.98 tph	102	Scrubber
103	103	Dryer	Finished Cereal	11.64 tph	103	Scrubber
104	104	Cookers	Wet Dough	10.25 tph	104	Scrubber
107	107	Shaper	Wet Dough	3.6 tph	107	Scrubber
	177A	Dryer		3.6 tph		
108	108	Shaper	Wet Dough	3.6 tph	108	Scrubber
	177	Dryer		3.6 tph		
109	109	Shaper	Wet Dough	3.6 tph	109	Scrubber
	138A	Dryer		3.6 tph		
125	125	Product Mixers	Sweeteners	6.66 tph	125	Scrubber
130	130	Dryer	Finished Cereal	10.3 tph	130	Scrubber
134	134	Dryer	Wet Dough	7.2 tph	134	Scrubber
135	135	Dryer	Wet Dough	3.6 tph	135	Scrubber
137	137	Dryer	Wet Dough	7.2 tph	137	Scrubber
138	138A	Dryer	Wet Dough	3.6 tph	138	Scrubber
	138B	Dryer		3.6 tph		
	138C	Dryer		3.6 tph		
	138D	Dryer		3.6 tph		
145	145	Dryer	Wet Dough	3.6 tph	145	Scrubber
146	146	Dryer	Wet Dough	3.6 tph	146	Scrubber
147	147	Dryer	Wet Dough	3.6 tph	147	Scrubber
148	148	Liquid Mix	Sweeteners	3.38 tph	148	Scrubber
152	152	Base Bin	In-Process Cereal	7.9 tph	152	Scrubber
161	161	Dryer	Wet Dough	10.25 tph	161	Scrubber
168	168	Extruder	Wet Dough	4.53 tph	168	Scrubber
169	169	Pelletizer	Wet Dough	4.53 tph	169	Scrubber
170	170	Dryer	Wet Dough	4.5 tph	170	Scrubber
171	171A	Preheater	Wet Dough	3.6 tph	171A	Scrubber
	171B	Shaper		3.6 tph	171B	
	171C	Blower		3.6 tph		
173	173	Dryer	Wet Dough	3.54 tph	173	Scrubber
174	174A	Mix	Wet Dough	3.63 tph	174	Scrubber
	174B	Slurry		3.63 tph		
	174C	Enrober		3.63 tph		
175	175	Dryer	Wet Dough	7.17 tph	175	Scrubber
176	176	Cooler	Wet Dough	6.42 tph	176	Scrubber
177	177A	Dryer	Wet Dough	10.8 tph	177	Scrubber
	177B	Dryer		10.8 tph		
	177C	Dryer		10.8 tph		
182	182A	Cooker	Wet Dough	14.4 tph	182	Scrubber
182	182B	Cooker				

**Applicable Requirements**



**Table 11 - General Emission Limits**

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

EPs	Pollutant	Other Limits	Authority for Requirement
EPs in Table 10	Particulate Matter (PM) – State	0.1 gr/dscf	10-62(a)(1) 567 IAC 23.3(2)"a"(2)
	Opacity	20%	10-60(a)

Authority for Requirement (LCPH ATI / PTO): 4324 / 4520-R2; 5826 / 5564-R1; 4931 / 5023-R2; 6930 / 6701; 6931 / 6702; 6887 / 6703; 4329 / 4523-R1; 5719 / 5961-R1; 5721 / 5963-R1; 6888 / 6704; 5700 / 5965-R1; 5947 / 5683-R1; 6932 / 6699; 6889 / 6697; 6890 / 6698; 5827 / 5565-R1; 5374 / 5375-R1; 5141 / 5087-R2; 5863 / 5772-R1; 5864 / 5773-R1; 7459 / 7220; 6744 / 6530-R1; 5868 / 5777-R2; 5869 / 5778-R1; 5879 / 5779-R2; 5871 / 5780-R2; 5948 / 5684-R1; 6743 / 6553-R1

**Table 12 - Emission Point Specific Emission Limits**

EP	Pollutant	lb/hr	Authority for Requirement (LCPH ATI / PTO)
102	Particulate Matter (PM) – State	0.68	4324 / 4520-R2
	PM <sub>10</sub>	0.68	
103	Particulate Matter (PM) – State	0.84	5826 / 5564-R1
	PM <sub>10</sub>	0.84	
104	Particulate Matter (PM) – State	0.89	4931 / 5023-R2
	PM <sub>10</sub>	0.89	
107	Particulate Matter (PM) – State	1.11	6930 / 6701
	PM <sub>10</sub>	1.11	
108	Particulate Matter (PM) – State	1.06	6931 / 6702
	PM <sub>10</sub>	1.06	
109	Particulate Matter (PM) – State	1.06	6887 / 6703
	PM <sub>10</sub>	1.06	
125	Particulate Matter (PM) – State	0.12	4329 / 4523-R1
	PM <sub>10</sub>	0.12	
130	Particulate Matter (PM) – State	1.04	5719 / 5961-R1
	PM <sub>10</sub>	1.04	
134	Particulate Matter (PM) – State	0.63	5721 / 5963-R1
	PM <sub>10</sub>	0.63	
135	Particulate Matter (PM) – State	1.06	6888 / 6704
	PM <sub>10</sub>	1.06	
137	Particulate Matter (PM) – State	0.60	5700 / 5965-R1
	PM <sub>10</sub>	0.60	
138	Particulate Matter (PM) – State	0.51	5947 / 5683-R1
	PM <sub>10</sub>	0.51	
145	Particulate Matter (PM) – State	1.06	6932 / 6699
	PM <sub>10</sub>	1.06	
146	Particulate Matter (PM) – State	1.06	6889 / 6697
	PM <sub>10</sub>	1.06	
147	Particulate Matter (PM) – State	1.06	6890 / 6698
	PM <sub>10</sub>	1.06	
148	Particulate Matter (PM) – State	0.12	5827 / 5565-R1
	PM <sub>10</sub>	0.12	
152	Particulate Matter (PM) – State	0.14	5374 / 5375-R1
	PM <sub>10</sub>	0.14	
161	Particulate Matter (PM) – State	0.90	5141 / 5087-R2
	PM <sub>10</sub>	0.90	
168	Particulate Matter (PM) – State	0.20	5863 / 5772-R1

EP	Pollutant	lb/hr	Authority for Requirement (LCPH ATI / PTO)
	PM <sub>10</sub>	0.20	
169	Particulate Matter (PM) – State	0.07	5864 / 5773-R1
	PM <sub>10</sub>	0.07	
170	Particulate Matter (PM) – State	0.46	7459 / 7220
	PM <sub>10</sub>	0.46	
171	Particulate Matter (PM) – State	1.74	6744 / 6530-R1
	PM <sub>10</sub>	1.74	
173	Particulate Matter (PM) – State	0.13	5868 / 5777-R2
	PM <sub>10</sub>	0.13	
174	Particulate Matter (PM) – State	0.10	5869 / 5778-R1
	PM <sub>10</sub>	0.10	
175	Particulate Matter (PM) – State	0.37	5879 / 5779-R2
	PM <sub>10</sub>	0.37	
176	Particulate Matter (PM) – State	0.64	5871 / 5780-R2
	PM <sub>10</sub>	0.64	
177	Particulate Matter (PM) – State	0.25	5948 / 5684-R1
	PM <sub>10</sub>	0.25	
182	Particulate Matter (PM) – State	0.33	6743 / 6553-R1
	PM <sub>10</sub>	0.33	

### Operating Requirements with Associated Monitoring and Recordkeeping

*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 listed in Table 10 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 rate shall be maintained at a minimum of the limits established at all times for the control equipment listed in Table 13. 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 table below.

**Table 13 - Minimum Water Flow Rates**

CE	Water Flow Rate (gallons per minute)	CE	Water Flow Rate (gallons per minute)	CE	Water Flow Rate (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	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	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 ATI / PTO): 4324 / 4520-R2; 5826 / 5564-R1; 4931 / 5023-R2; 6930 / 6701; 6931 / 6702; 6887 / 6703; 4329 / 4523-R1; 5719 / 5961-R1; 5721 / 5963-R1; 6888 / 6704; 5700 / 5965-R1; 5947 / 5683-R1; 6932 / 6699; 6889 / 6697; 6890 / 6698; 5827 / 5565-R1; 5374 / 5375-R1; 5141 / 5087-R2; 5863 / 5772-R1; 5864 / 5773-R1; 7459 / 7220; 6744 / 6530-R1; 5868 / 5777-R2; 5869 / 5778-R1; 5879 / 5779-R2; 5871 / 5780-R2; 5948 / 5684-R1; 6743 / 6553-R1

**Table 14 - 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	V	30	125	7,872
103	80	V	32	94	11,047
104	80	V	34	190	10,410
107	94	V	24	150	6,516
108	95	V	24	150	6,200
109	96	V	24	150	6,200
125	72	V	16	90	1,500
130	87	V	30	105	15,209
134	67	V	36	150	7,348
135	96	V	24	150	6,200
137	97	V	42	150	9,114
138	97	V	23	150	3,000
145	98	V	24	150	6,200
146	96	V	24	150	6,200

EP ID	Stack Height (Feet from the ground)	Discharge Style	Stack Outlet Dimensions (inches)	Exhaust Temperature (°F)	Exhaust Flowrate (SCFM)
147	96	V	24	150	6,200
148	80	V	14	115	1,376
152	72	V	14	105	800
161	72	V	34	185	11,812
168	83	V	16	120	2,284
169	83	V	10	70	800
170	72	V	24	230	5,377
171	83	V	24	150	6,752
173	84	V	14	230	1,536
174	88	V	8	100	1,136
175	93	V	24	270	4,356
176	93	V	43	110	7,439
177	102	V	20	150	1,434
182	96	V	48	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 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 ATI / PTO): 4324 / 4520-R2; 5826 / 5564-R1; 4931 / 5023-R2; 6930 / 6701; 6931 / 6702; 6887 / 6703; 4329 / 4523-R1; 5719 / 5961-R1; 5721 / 5963-R1; 6888 / 6704; 5700 / 5965-R1; 5947 / 5683-R1; 6932 / 6699; 6889 / 6697; 6890 / 6698; 5827 / 5565-R1; 5374 / 5375-R1; 5141 / 5087-R2; 5863 / 5772-R1; 5864 / 5773-R1; 7459 / 7220; 6744 / 6530-R1; 5868 / 5777-R2; 5869 / 5778-R1; 5879 / 5779-R2; 5871 / 5780-R2; 5948 / 5684-R1; 6743 / 6553-R1

**Monitoring Requirements**

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

**Opacity Monitoring**

See Appendix C, Opacity Monitoring Summary.  
 Authority for Requirement: 567 IAC 22.108(14)

**Stack Testing**

See Appendix D, Stack Testing Summary. **(EPs 103, 104, 130, and 161 only)**  
 Authority for Requirement: 567 IAC 22.108(3)

**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: 105**

**Table 15 – Associated Equipment**

EP	EU	EU Description	Raw Material	Rated Capacity	CE	CE Description
105	105	Product Receiver	Dry Ingredients	17.5 tph	105	Fabric Filter

**Applicable Requirements**

**Table 16 - Emission Limits**

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement (LCPH ATI / PTO)
105	Opacity	20%	LCO Sec. 10-60(a)	6228 / 6006
	PM	0.1 gr/dscf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	
	PM/PM <sub>10</sub>	0.14 lb/hr		

**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

**Table 17 – Emission Point Characteristics**

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

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement (LCPH ATI / PTO)
105	64	V	4	105	1,683 scfm	6228 / 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 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 30 days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

**Monitoring Requirements**

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

**Opacity Monitoring**

See Appendix C, Opacity Monitoring Summary.

Authority for Requirement: 567 IAC 22.108(14)

**Agency Approved Operation & Maintenance Plan Required?**      Yes  No

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

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

Authority for Requirement: 567 IAC 22.108(3)

**Emission Point ID Number: 132, 139, 140, 141, 150, 151, 159, 164, 172, 178, 179, 321, 322**

**Table 18 - Associated Equipment**

EP	EU	EU Description	Fuel	Rated Capacity	CE	CE Description
132	132A	Preheater	Natural Gas	1.5 MMBtu/hr	--	--
	132B		Propane			
139	139A	Preheater	Natural Gas	0.80 MMBtu/hr	--	--
	139B		Propane			
140	140A	Preheater	Natural Gas	0.80 MMBtu/hr	--	--
	140B		Propane			
141	141A	Preheater	Natural Gas	0.80 MMBtu/hr	--	--
	141B		Propane			
150	150A	Preheater	Natural Gas	1.5 MMBtu/hr	--	--
	150B		Propane			
151	151A	Preheater	Natural Gas	1.5 MMBtu/hr	--	--
	151B		Propane			
159	159A	Propane Gas Feed Vaporizer	Propane	2.52 MMBtu/hr	--	--
164	164A	Preheater	Natural Gas	0.9 MMBtu/hr	--	--
	164B		Propane			
172	172A	Heater	Natural Gas	1.5 MMBtu/hr	--	--
	172B		Propane			
178	178A	Water Heater	Natural Gas	18 MMBtu/hr	--	--
	178B		Propane			
179	179	Propane Burner	Propane	0.5 MMBtu/hr	--	--
321	321A	Water Heater	Natural Gas	21 MMBtu/hr	--	--
	321B		Propane			
322	322A	Water Heater	Natural Gas	21 MMBtu/hr	--	--
	322B		Propane			

**Applicable Requirements**

**Table 19 - Emission Limits**

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

EPs	Pollutant	Other Limits	Authority for Requirement
EPs in Table 18	Particulate Matter (PM) – State	0.6 lb/mmbtu	10-61(b)(2) 567 IAC 23.3(2)(b)"2"
	Opacity	20%	10-60(a)
	SO <sub>2</sub>	500 ppm <sub>v</sub>	LCO Sec. 10-65(a)(2) 567 IAC 23.3(3)"e"
	NO <sub>x</sub>	235 tpy Facility-wide Limit	

Authority for Requirement (LCPH ATI / PTO): 6178 / 5939-R1; 2317 / 4601-R3; 2316 / 4602-R2; 2324 / 4603-R3; 5818 / 5566-R2; 6179 / 5940-R1; 6633 / 6470-R1; 6621 / 6458-R1; 5867 / 5776-R2; 7437 / 7127-R1; 6002 / 5720-R3; 3886 / 4584-R3; 7440 / 7128-R1

**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<sub>x</sub> Bubble Limits section for facility operating requirements with associated monitoring and recordkeeping that apply to these emission points.

**Operating Requirements with Associated Monitoring and Recordkeeping**

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

- A. The owner or operator shall combust pipeline quality natural gas as defined in 40 CFR §60.41c or 40 CFR §63.11237 in the heaters listed in Table 1.
- B. The owner or operator shall meet the operating limits and recordkeeping requirements listed in [Plantwide Conditions].

EP178, 179 and EP322 only

- A. The owner or operator shall limit EPs 178, 179 and 322 to 876 hours of operation each based on a 12-month rolling total basis. Record monthly and 12-month rolling totals of the hours each EP operates.

Authority for Requirement (LCPH ATI / PTO): 6178 / 5939-R1; 2317 / 4601-R3; 2316 / 4602-R2; 2324 / 4603-R3; 5818 / 5566-R2; 6179 / 5940-R1; 6633 / 6470-R1; 6621 / 6458-R1; 5867 / 5776-R2; 7437 / 7127-R1; 6002 / 5720-R3; 3886 / 4584-R3; 7440 / 7128-R1

**Table 20 - Emission Point Characteristics**

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

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement (LCPH ATI / PTO)
132	83	V	10	450	99 scfm	6178 / 5939-R1
139	98	V	10	450	99 scfm	2317 / 4601-R3
140	98	VR	10	450	99 scfm	2316 / 4602-R2
141	98	VR	10	450	99 scfm	2324 / 4603-R3
150	84	V	8	450	99 scfm	5818 / 5566-R2
151	83	V	10	450	99 scfm	6179 / 5940-R1
159	13	VR	12	170	375 scfm	6633 / 6470-R1
164	84	V	8	450	99 scfm	6621 / 6458-R1
172	72	V	12	800	2,524 scfm	5867 / 5776-R2
178	62.5	V	36	160	3,932 scfm	7437 / 7127-R1
179	18	V	12	150	99 scfm	6002 / 5720-R3
321	57	V	42	160	3,932 scfm	3886 / 4584-R3
322	57	V	42	160	3,932 scfm	7440 / 7128-R1

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 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**

See Appendix C, Opacity Monitoring Summary.  
 Authority for Requirement: 567 IAC 22.108(14)

- Agency Approved Operation & Maintenance Plan Required? Yes  No
- Facility Maintained Operation & Maintenance Plan Required? Yes  No
- Compliance Assurance Monitoring (CAM) Plan Required? Yes  No

Authority for Requirement: 567 IAC 22.108(3)



**Emission Point ID Number: 160**

**Table 21 - Associated Equipment**

EP	EU	EU Description	Raw Material	Rated Capacity	CE	CE Description
160	160	Central Vacuum Collector	Mixed Cereals	11.75 tph	160	Central Vacuum Collector

**Applicable Requirements**

**Table 22 - Emission Limits**

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement (LCPH ATI / PTO)
160	Opacity	20%	LCO Sec. 10-60(a)	6233 / 6007-R1
	PM	0.1 gr/dscf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	
	PM/PM <sub>10</sub>	0.09 lb/hr		

**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 6007-R1

**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 6007-R1

**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 6007-R1

**Table 23 - Emission Point Characteristics**

*This emission point shall conform to the conditions listed below.*

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement (LCPH ATI / PTO)
160	55	V	4	100	500 scfm	6233 / 6007-R1

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 30 days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

**Monitoring Requirements**

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

**Opacity Monitoring**

See Appendix C, Opacity Monitoring Summary.  
 Authority for Requirement: 567 IAC 22.108(14)

**Agency Approved Operation & Maintenance Plan Required?**      Yes  No

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

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

Authority for Requirement: 567 IAC 22.108(3)

**Emission Point ID Number: 162, 166, 167, 181, 184, 330, 345**

**Table 24 - Associated Equipment**

EP	EU	EU Description	Fuel	Rated Capacity	CE	CE Description
162	162	Emergency Generator	Diesel	58.6 gph	--	--
166	166A	Emergency Generator	Natural Gas	1.508 MMBtu/hr	--	--
	166B	Emergency Generator	Propane			
167	167	Emergency Generator	Diesel	58.9 gph	--	--
181	181	Emergency Generator	Natural Gas	2.58 MMBtu/hr	181	Catalyst
184	145	Emergency Fire Pump	Diesel	10.6 gph	--	--
330	330	Emergency Generator	Diesel	58.6 gph	--	--
345	345	Emergency Generator	Diesel	36.2 gph	--	--

**Applicable Requirements**

**Table 25 - Emission Limits**

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement (LCPH ATI / PTO)
162	Opacity	20%	LCO Sec. 10-60(a)	7435 / 7132-R2
166				6236 / 6010-R1
167				7436 / 7133-R1
181				6297 / 6135-R3
184				Exempt
330				7441 / 7134-R2
345				7499 / 7273-R1
162	NO <sub>x</sub>	235 tpy Facility-wide Limit	LCO Sec. 10-65(a)(1)(b)	7435 / 7132-R2
167				7436 / 7133-R1
184				Exempt
330				7441 / 7134-R2
345				7499 / 7273-R1
162	SO <sub>2</sub>	1.5 lb/MMBtu	LCO Sec. 10-65(a)(1)(b)	6236 / 6010-R1
167				7436 / 7133-R1
184				Exempt
330	SO <sub>2</sub>	500 ppm <sub>v</sub>	LCO Sec. 10-65(a)(2)	7441 / 7134-R2
345				7499 / 7273-R1
166	PM/PM <sub>10</sub>	0.96 lb/hr		6236 / 6010-R1
181				6297 / 6135-R3
162	PM/PM <sub>10</sub>	0.96 lb/hr		7435 / 7132-R2
330				7441 / 7134-R2

**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<sub>x</sub> Bubble Limits section for facility operating requirements with associated monitoring and recordkeeping that apply to these emission points.

## Federal Standards

### A. New Source Performance Standards (NSPS):

The following subparts apply to the emission unit(s) in these permits:

**Table 26 – Applicable NSPS Standards**

EU ID	Subpart	Title	Type	Local Reference (LCCO Sec.)	Federal Reference (40 CFR)
167 345	A	General Provisions	NA	10-62(b)	§60.1 – §60.19
	IIII	Stationary Compression Ignition Internal Combustion Engines	Emergency Engine	10-62(b)(77)	§60.4200 – §60.4219
181	JJJJ	Stationary Spark Ignition Internal Combustion Engines	Emergency Engine	10-62(b)(78)	§60.4230 – §60.4248

- (1) In accordance with 40 CFR §60.4205(a), the pre-2007 model year emergency stationary CI ICE with a displacement of less than 10 liters per cylinder that are not fire pump engines must comply with the emission standards in Table 1 of subpart IIII. The emission standards that the engine must be certified by the manufacturer to meet are:

**Table 27 – EP 167 NSPS Certification Standards**

Pollutant	Emission Standard <sup>4F1</sup>	Basis/Reference
Particulate Matter (PM)	0.54 g/kW-hr	40 CFR Part 1039, Appendix I5F <sup>2</sup>
NO <sub>x</sub>	9.2 g/kW-hr	40 CFR Part 1039, Appendix I <sup>2</sup>
HC	1.3 g/KW-hr	40 CFR Part 1039, Appendix I <sup>2</sup>
Carbon Monoxide (CO)	11.4 g/kW-hr	40 CFR Part 1039, Appendix I <sup>2</sup>
Opacity – acceleration mode	20%	40 CFR §1039.105(b)(1)
Opacity – lugging mode	15%	40 CFR §1039.105(b)(2)
Opacity – peaks in acceleration or lugging mode	50%	40 CFR §1039.105(b)(3)

<sup>1</sup> g/kW-hr = grams per kilowatt hour.

<sup>2</sup> Table 2 of Appendix I is for Tier 2 Emission Standards.

- (1) In accordance with 40 CFR §60.4211(c), the engine must be certified by its manufacturer to comply with the emissions standards for emergency engines from 40 CFR §60.4205(b) and 40 CFR §60.4202(a)(2) or 40 CFR §60.4202(b)(2). The emission standards that the engine must be certified by the manufacturer to meet are:

**Table 28 – EP 345 NSPS Certification Standards**

Pollutant	Emission Standard <sup>4F1</sup>	Basis/Reference
Particulate Matter (PM)	0.20 g/kW-hr	40 CFR Part 1039, Appendix I5F <sup>2</sup>
NMHC <sup>6F3</sup> + NO <sub>x</sub>	6.4 g/kW-hr	40 CFR Part 1039, Appendix I <sup>2</sup>
Carbon Monoxide (CO)	3.5 g/kW-hr	40 CFR Part 1039, Appendix I <sup>2</sup>
Opacity – acceleration mode	20%	40 CFR §1039.105(b)(1)
Opacity – lugging mode	15%	40 CFR §1039.105(b)(2)
Opacity – peaks in acceleration or lugging mode	50%	40 CFR §1039.105(b)(3)

<sup>1</sup> g/kW-hr = grams per kilowatt hour.

<sup>2</sup> Table 2 of Appendix 1 is for Tier 2 Emission Standards.

<sup>3</sup> Non-methane hydrocarbons.

- (2) In accordance with 40 CFR §60.4211(c), the owner or operator must comply with the required NSPS emissions standards by purchasing an engine certified by its manufacturer to meet the applicable emission standards for the same model year and engine power. The engine must be installed and configured to the manufacturer's specifications. Provided these requirements are satisfied, no further demonstration of compliance with the emission standards from 40 CFR §60.4205(b) and 40 CFR §60.4202(a)(2) or 40 CFR §60.4202(b)(2) is required. However, if the engine is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, a compliance demonstration is required in accordance with 40 CFR §60.4211(g).

**Table 29 – EP 181 NSPS Certification Standards**

Pollutant	Emission Standard <sup>4F1</sup>	Basis/Reference
Nitrogen Oxides (NO <sub>x</sub> )	2.0 g/HP-hr or 160 ppm <sub>vd</sub> @15% O <sub>2</sub>	40 CFR §60.4233(e)
Volatile Organic Compounds (VOC)	1.0 g/HP-hr or 86 ppm <sub>vd</sub> @ 15% O <sub>2</sub> <sup>2</sup>	40 CFR §60.4233(e)
Carbon Monoxide (CO)	4.0 g/HP-hr or 540 ppm <sub>vd</sub> @ 15% O <sub>2</sub>	40 CFR §60.4233(e)

<sup>1</sup> g/HP-hr = grams per horsepower hour.

<sup>2</sup> For purposes of NESHAP Subpart JJJJ, when calculating emissions of VOC, emissions of formaldehyde should not be included.

- A. National Emission Standards for Hazardous Air Pollutants (NESHAP):  
The following subparts apply to the emission unit(s) in these permits:

**Table 30 - Applicable NESHAP Standards**

EU ID	Subpart	Title	Type	Local Reference (LCCO Sec.)	Federal Reference (40 CFR)
162 166 167 181 184 330 345	A	General Provisions	NA	10-62(d)(1)	§63.1 – §63.15
162 166 184 330 167 181 345	ZZZZ	National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines	Existing Emergency Engine  New Emergency Engine	10-62(d)(104)	§63.6580 – §63.6675

- (1) EUs 167, 181, and 345 are new reciprocating internal combustion engines located at an area source of HAP. In accordance with 40 CFR §63.6590(c)(1), the engines must comply with the requirements of Subpart ZZZZ by meeting the requirements of NSPS subpart IIII or NSPS subpart JJJJ, as applicable. No further requirements apply to these engines under Subpart ZZZZ.

## **Operating Requirements with Associated Monitoring and Recordkeeping**

All records as required by this permit shall be available on-site for a minimum of five 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:

### **EP 162, EP 184, and EP 330 are subject to the following requirements:**

- A. Each engine is limited to operating a maximum of 500 hours in any rolling 12-month period.
- B. To comply with "EP 162, EP 184, and EP 330" Conditions 5A and 5O, the owner or operator shall maintain the following monthly records:
  - (1) The number of hours that the engines operated for maintenance checks and readiness testing;
  - (2) The number of hours that the engines operated for allowed non-emergency service and the reason for the non-emergency operation;
  - (3) The number of hours that the engines operated for emergency service and the reason for the emergency operation;
  - (4) The total number of hours the engines operated; and
  - (5) The rolling 12-month total amount of the number of hours the engines operated.
- C. The owner or operator shall maintain the following annual records (on a calendar year basis):
  - (1) The number of hours that the engines operated for maintenance checks and readiness testing;
  - (2) The number of hours that the engines operated for allowed non-emergency operations; and
  - (3) The total number of hours the engines operated for maintenance checks, readiness testing, and allowed non-emergency operations.
- D. The owner or operator must comply with the requirements in Table 2d to this subpart and the operating limitations in Table 2b to this subpart that apply to you as indicated by §63.6603(a).
- E. As indicated in Table 2d(4) of Subpart ZZZZ of Part 63, the owner or operator shall:
  - 1. Change the oil and filter every 500 hours of operation or annually, whichever comes first.
    - a. Sources have the option to utilize an oil analysis program as described in §63.6625(i) in order to extend the specified oil change requirement in Table 2d of this subpart.
  - 2. Inspect the air cleaner 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.
- F. The owner or operator shall maintain records of the date and type of maintenance completed on these engines.
- G. The owner or operator shall meet the fuel requirements indicated in §63.6604(b).
- H. The owner or operator of an existing emergency stationary RICE located at an area source of HAP emissions must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission related written instructions or develop a 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 as indicated by §63.6625(e)(3).
- I. The owner or operator must install a non-resettable hour meter on each engine if one is not already installed as indicated in §63.6625(f).
- J. The owner or operator must 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, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply as indicated by §63.6625(h).
- K. The owner or operator of a stationary CI engine subject to the work, operation, or management practices in items 1 or 4 of Table 2d to Subpart ZZZZ, have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in the table as indicated by §63.6625(i).
- L. The owner or operator must comply with the emission limitations and operating limitations of Subpart ZZZZ as indicated in §63.6605(a).
- M. The owner or operator shall operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions as indicated by §63.6605(b).
- N. The owner or operator shall demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements as indicated in §63.6640(a), (e), & (f).
- O. Each engine is limited to operate as an emergency stationary internal combustion engine as defined in §63.6675 and in accordance with §63.6640(f). Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (f)(2)(i) of this section. Except as provided in paragraphs (f)(4)(i) and (ii) of this section, the 50 hours per year for nonemergency situations

cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity as indicated by §63.6640(f)(4) and §63.6640(f)(4)(ii).

- P. Operation of EP 162 and EP 330 outside the following definition will require the owner or operator to apply for a modification to this permit:

*Emergency stationary RICE* means any stationary reciprocating internal combustion engine that meets all of the criteria in paragraphs (1) through (3) of this definition. All emergency stationary RICE must comply with the requirements specified in §63.6640(f) in order to be considered emergency stationary RICE. If the engine does not comply with the requirements specified in §63.6640(f), then it is not considered to be an emergency stationary RICE under this subpart.

1. The stationary RICE is operated to provide electrical power or mechanical work during an emergency situation. Examples include stationary RICE used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility (or the normal power source, if the facility runs on its own power production) is interrupted, or stationary RICE used to pump water in the case of fire or flood, etc.
  2. The stationary RICE is operated under limited circumstances for situations not included in paragraph (1) of this definition, as specified in §63.6640(f).
  3. The stationary RICE operates as part of a financial arrangement with another entity in situations not included in paragraph (1) of this definition only as allowed in §63.6640(f)(4)(i) or (ii).
- Q. In accordance with §60.4207(b), the diesel fuel burned in these engines shall meet the following specifications from 40 CFR §1090.305(b) for ultra-low sulfur diesel fuel (ULSD):

**Table 31 – Diesel Fuel Specifications**

Parameter	Limit
Sulfur (S) content	15 ppm (0.0015%, by weight)
Minimum cetane index <b>or</b> Maximum aromatic content	40 35%, by volume

1. The owner or operator shall comply with the requirements listed above by one of the following methods:
    - a. have the fuel supplier certify that the fuel delivered meets the definition of ULSD, as defined in 40 CFR §1090.80; or
    - b. The owner or operator shall obtain a fuel analysis from the supplier showing the sulfur content and cetane index or aromatic content of the fuel delivered; or
    - c. The owner or operator shall perform an analysis of the fuel to determine the sulfur content and cetane index or aromatic content of the fuel received.
- R. The owner or operator must comply with the requirements of Table 6 of Subpart ZZZZ of Part 63.
1. Item (9): Existing emergency and black start stationary RICE located at an area source of HAP shall adopt the following work or management practices:
    - a. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or
    - b. Develop and follow 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.
- S. The owner or operator shall meet the facility operating requirements with associated monitoring and recordkeeping listed in Attachment A, Facility NO<sub>x</sub> Bubble Limit.

**EP 166 is subject to the following requirements:**

- A. This engine is limited to operating a maximum of 500 hours in any rolling 12-month period.
- B. To comply with "EP 166" Conditions 5A, 5M, and 5N, the owner or operator shall maintain the following monthly records:
  - (1) The number of hours that the engine operated for maintenance checks and readiness testing;
  - (2) The number of hours that the engine operated for allowed non-emergency service and the reason for the non-emergency operation;
  - (3) The number of hours that the engine operated for emergency service and the reason for the emergency operation;
  - (4) The total number of hours the engines operated; and
  - (5) The rolling 12-month total amount of the number of hours the engines operated.
- C. The owner or operator shall maintain the following annual records (on a calendar year basis):

- (1) The number of hours that the engines operated for maintenance checks and readiness testing;
  - (2) The number of hours that the engines operated for allowed non-emergency operations; and
  - (3) The total number of hours the engines operated for maintenance checks, readiness testing, and allowed non-emergency operations.
- D. The owner or operator shall meet the facility operating requirements with associated monitoring and recordkeeping listed in Attachment A, Facility NO<sub>x</sub> Bubble Limit.

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

- E. 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.)
- F. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary.
- G. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
- H. 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.
- I. Install a non-resettable hour meter if one is not already installed.
- J. 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)

- K. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations (*up to*) 50 hours per year is prohibited.
- L. There is no time limit on the use of emergency stationary RICE in emergency situations provided that the annual hourly limit established in "EP 166" Condition 5.A is not exceeded.
- M. 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.
- N. 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

- O. Keep records of the maintenance conducted on the stationary RICE.
- P. 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

- Q. An initial notification is not required per 40 CFR §63.6645(a)(5).
- R. 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.)

**EP 167 and EP 345 are subject to the following requirements:**

- A. Each engine is limited to operating a maximum of 500 hours in any rolling 12-month period.
- B. To comply with "EP 167 and EP 345" Conditions 5A and 5D, the owner or operator shall maintain the following monthly records:
  - (1) The number of hours that the engines operated for maintenance checks and readiness testing;
  - (2) The number of hours that the engines operated for allowed non-emergency service and the reason for the non-emergency operation;
  - (3) The number of hours that the engines operated for emergency service and the reason for the emergency operation;
  - (4) The total number of hours the engines operated; and
  - (5) The rolling 12-month total amount of the number of hours the engines operated.
- C. The owner or operator shall maintain the following annual records (on a calendar year basis):
  - (1) The number of hours that the engines operated for maintenance checks and readiness testing;
  - (2) The number of hours that the engines operated for allowed non-emergency operations; and
  - (3) The total number of hours the engines operated for maintenance checks, readiness testing, and allowed non-



emergency operations.

- D. These engines are limited to operate as an emergency stationary internal combustion engine as defined in 40 CFR §60.4219 and in accordance with 40 CFR §60.4211(f).
  - (1) There is no time limit on the use of the engines in emergency situations provided that the annual hourly limit established in "EP 167 and EP 345" Condition 5.A is not exceeded. In accordance with 40 CFR §60.4211(f)(2), the engines are limited to operate a maximum of 100 hours per calendar year for maintenance checks and readiness testing.
  - (2) In accordance with 40 CFR §60.4211(f)(3), the engines are allowed to operate up to 50 hours per calendar year in non-emergency situations, but the 50 hours are counted toward the 100 hours provided for maintenance and testing. The 50 hours per calendar year for non-emergency operation cannot be used for peak shaving or non-emergency demand response or to generate income for the facility to supply power to the electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity.
- E. In accordance with 40 CFR §60.4209(a), each engine shall be equipped with a non-resettable hour meter.
- F. In accordance with 40 CFR §60.4207(b), the diesel fuel burned in these engines shall meet the following specifications from 40 CFR §1090.305(b) for ultra-low sulfur diesel (ULSD):

**Table 32 – Diesel Fuel Specifications**

Parameter	Limit
Sulfur (S) content	15 ppm (0.0015%, by weight)
Minimum cetane index <b>or</b> Maximum aromatic content	40 35%, by volume

- 1. The owner or operator shall comply with the requirements listed above by one of the following methods:
  - a. Have the fuel supplier certify that the fuel delivered meets ULSD, as defined in 40 CFR §1090.80; or
  - b. Obtain a fuel analysis from the supplier showing the sulfur content and cetane index or aromatic content of the fuel delivered; or
  - c. Perform an analysis of the fuel to determine the sulfur content and cetane index or aromatic content of the fuel received.
- G. The engines must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in 40 CFR §60.4211(g).
- H. In accordance with 40 CFR §60.4211(a), the engines shall be operated and maintained according to the manufacturer's emission-related written instructions. Except as permitted in 40 CFR §60.4211(g), the owner or operator may only change emission-related engine settings that are permitted by the manufacturer.
- I. The owner or operator shall complete all applicable monitoring, compliance, notification, reporting, and recordkeeping requirements as required by NSPS Subpart IIII not specifically listed in this permit:
  - (1) The owner or operator of the engines shall follow the monitoring requirements of 40 CFR §60.4209.
  - (2) The owner or operator of the engines shall follow the compliance requirements of 40 CFR §60.4211.
  - (3) The owner or operator of the engines shall follow the notification, reporting, and recordkeeping requirements of 40 CFR §60.4214(b).
- J. The owner or operator shall meet the facility operating requirements with associated monitoring and recordkeeping listed in Attachment A, Facility NO<sub>x</sub> Bubble Limit.

**EP 181 is subject to the following requirements:**

- A. This engine is limited to operating a maximum of 500 hours in any rolling 12-month period.
- B. To comply with "EP 181" Conditions 5A and 5G, the owner or operator shall maintain the following monthly records:
  - (1) The number of hours that the engines operated for maintenance checks and readiness testing;
  - (2) The number of hours that the engines operated for allowed non-emergency service and the reason for the non-emergency operation;
  - (3) The number of hours that the engines operated for emergency service and the reason for the emergency operation;
  - (4) The total number of hours the engines operated; and
  - (5) The rolling 12-month total amount of the number of hours the engines operated.
- C. The owner or operator shall maintain the following annual records (on a calendar year basis):
  - (1) The number of hours that the engines operated for maintenance checks and readiness testing;
  - (2) The number of hours that the engines operated for allowed non-emergency operations; and
  - (3) The total number of hours the engines operated for maintenance checks, readiness testing, and allowed non-emergency operations.
- D. The owner or operator shall meet the applicable General Provisions requirements of 40 CFR 60 (Subpart A) as indicated

in 40 CFR §60.4246.

- E. The owner or operator shall meet the Emission Standards for Owners and Operators requirements of 40 CFR §60.4233(e) and §60.4234.
- F. The owner or operator shall meet Other Requirements for Owners and Operators of 40 CFR §60.4237(a) by installing a non-resettable hour meter.
- G. The owner or operator shall comply with the Compliance Requirements for Owners and Operators of 40 CFR §60.4243(a)(1),(b) and (d) as presented below:

**§60.4243(a)(1)** – Operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions and keep records of conducted maintenance to demonstrate compliance. GM Cereal Properties, Inc. must also meet the requirements as specified in 40 CFR part 1068, subparts A through D, as they apply. If you adjust engine settings according to and consistent with the manufacturer's instructions, your stationary SI internal combustion engine will not be considered out of compliance.

**§60.4243(b)** - As an owner or operator of a stationary SI internal combustion engine that must comply with the emission standards specified in §60.4233(e), GM Cereal Properties, Inc. is demonstrating compliance according to the methods specified in paragraph (b)(1) of §60.4243:

- (1) Purchasing an engine certified according to procedures specified in this subpart, for the same model year and demonstrating compliance according to one of the methods specified in paragraph (a) of §60.4243.

**§60.4243(d)** - If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (d)(1) through (3) of §60.4243. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (d)(1) through (3) of §60.4243, is prohibited. If you do not operate the engine according to the requirements in paragraphs (d)(1) through (3) of §60.4243, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

- (1) There is no time limit on the use of emergency stationary ICE in emergency situations.
- (2) You may operate your emergency stationary ICE for any combination of the purposes specified in paragraph (d)(2)(i) of §60.4243 for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (d)(3) of §60.4243 counts as part of the 100 hours per calendar year allowed by this paragraph (d)(2).
  - i. Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.
- (3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (d)(2) of §60.4243. Except as provided in paragraph (d)(3)(i) of §60.4243, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.
  - i. The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:
    - a) The engine is dispatched by the local balancing authority or local transmission and distribution system operator;
    - b) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.
    - c) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.
    - d) The power is provided only to the facility itself or to support the local transmission and distribution system.
    - e) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for

dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

- H. Per 40 CFR §60.4243(e), owners and operators of stationary SI natural gas fired engines may operate their engines using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations but must keep records of such use. If propane is used for more than 100 hours per year in an engine that is not certified to the emission standards when using propane, the owners and operators are required to conduct a performance test to demonstrate compliance with the emission standards of § 60.4233.
- I. The owner or operator shall comply with the Notification, Reports, and Records for Owners and Operators of 40 CFR §60.4245(a)(1) through (3), (b) and (e).
- J. The owner or operator shall meet the facility operating requirements with associated monitoring and recordkeeping listed in Attachment A, Facility NO<sub>x</sub> Bubble Limit.

Authority for Requirement (LCPH ATI / PTO): 7435 / 7132-R2; 6236 / 6010-R1; 7436 / 7133-R1; 6297 / 6135-R3; Exempt; 7441 / 7134-R2; 7499 / 7273-R1

**Table 33 - Emission Point Characteristics**

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

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement (LCPH ATI / PTO)
162	66	V	12	981	6,381 scfm	7435 / 7132-R2
166	32	V	4	1,544	205 scfm	6236 / 6010-R1
167	66	V	12	964	6,932 scfm	7436 / 7133-R1
181	72	V	5	1,384	431 scfm	6297 / 6135-R3
184	1	V	5	1,124	924 scfm	Exempt
330	50	V	12	981	6,381 scfm	7441 / 7134-R2
345	9	V	8	988	3,606 scfm	7499 / 7273-R1

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 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**

**Table 34 - Associated Equipment**

EP	EU	EU Description	Raw Material	Rated Capacity	CE	CE Description
180	180	Regrinds Receiver	Ingredient	8.55 tph	180	Cartridge Filters
200	200	Product Receiver	Ingredient	10.25 tph	200	Baghouse
308	308A	Product Receiver	Ingredient	3.0 tph	308A	Baghouse
	308B	Product Receiver	Ingredient	3.0 tph	308B	Baghouse
	308C	Product Receiver	Ingredient	6.0 tph	308C	Baghouse

**Applicable Requirements**

**Table 35 - Emission Limits**

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement (LCPH ATI / PTO)
180	Opacity	20%	LCO Sec. 10-60(a)	6436 / 6219-R1
200	PM	0.1 gr/dscf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"	6238 / 6012-R1
308				7228 / 6939
180	PM/PM <sub>10</sub>	1.98 lb/hr		6436 / 6219-R1
200		0.58 lb/hr		6238 / 6012-R1
308		1.33 lb/hr		7228 / 6939

**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 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 6219-R1 **(EP180)**

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 6012-R1 **(EP200)**

**Operating Limits (EP180 and EP200)**

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

- A. The differential pressure measured across the control equipment (CE180, CE200) shall be maintained between 0.1 inches of water column 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 6436 / PTO 6219-R1; LCPH ATI 6238 / PTO 6012-R1

**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:

- 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 across the control equipment 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 6436 / PTO 6219-R1; LCPH ATI 6238 / PTO 6012-R1

**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

**Table 36 - Emission Point Characteristics**

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

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement (LCPH ATI / PTO)
180	71	V	12	125	4,006 scfm	6436 / 6219-R1
200	72	V	20	132	12,700 scfm	6238 / 6012-R1
308	42	V	20	130	10,176 scfm	7228 / 6939

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 30 days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

**Monitoring Requirements**

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

**Opacity Monitoring**

See Appendix C, Opacity Monitoring Summary.  
 Authority for Requirement: 567 IAC 22.108(14)

**Stack Testing**

See Appendix D, Stack Testing Summary. **(EP 200 only)**  
 Authority for Requirement: 567 IAC 22.108(3)

**Agency Approved Operation & Maintenance Plan Required?** Yes  No

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

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes  No   
See Appendix B, CAM Plan(s) Summary (EP180 only)

Authority for Requirement: 567 IAC 22.108(3)

**Emission Point ID Number: 183, 340, 344**

**Table 37 - Associated Equipment**

EP	EU	EU Description	Raw Material	Rated Capacity	CE	CE Description
183	183	Packaging System	Ingredient	4.5 lbs/hr	183	Cartridge Filters
340	340	Packaging System	Ingredient	4.8 lbs/hr	340	Cartridge Filters
344	344	Packaging System	Ingredient	4.8 lbs/hr	344	Cartridge Filters

**Applicable Requirements**

**Table 38 - Emission Limits**

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement (LCPH ATI / PTO)
183	Opacity	20%	LCO Sec. 10-60(a)	6751 / 6554
340	PM	0.1 gr/dscf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"	7788 / 7532
344				7789 / 7533
183	PM/PM <sub>10</sub>	0.05 lb/hr		6751 / 6654
340	PM/PM <sub>10</sub>	0.1 lb/hr		7788 / 7532
344	PM/PM <sub>10</sub>	0.1 lb/hr		7789 / 7533

**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 available on-site for a minimum of five 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 shall be maintained and operated according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all maintenance and repair completed on the control equipment.
- C. The differential pressure across each piece of control equipment identified in Table 37 shall be maintained between 0.1" and 8.0" w.c. The owner or operator shall monitor and record the differential pressure across each piece of control equipment in Table 1 on a weekly basis.

Authority for Requirement: LCPH ATI 6751 / PTO 6554; LCPH ATI 7788 / PTO 7532; LCPH ATI 7789 / PTO 7533

**Table 39 - Emission Point Characteristics**

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

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement (LCPH ATI / PTO)
183	37	V	8	70	1,400 scfm	6751 / 6554
340	48	V	6	70	1,600 scfm	7788 / 7532
344	48	V	6	70	1,600 scfm	7789 / 7533

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 30 days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

**Monitoring Requirements**

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

**Opacity Monitoring**

See Appendix C, Opacity Monitoring Summary.

Authority for Requirement: 567 IAC 22.108(14)

**Agency Approved Operation & Maintenance Plan Required?**      Yes  No

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

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

Authority for Requirement: 567 IAC 22.108(3)



**Emission Point ID Number: 305, 306, 309, 324, 325, 326, 346, 348**

**Table 40 - Associated Equipment**

EP	EU	EU Description	Raw Material	Rated Capacity	CE	CE Description
305	305	Dryer	Food Ingredients	3.5 tph	--	--
306	306	Dryer	Food Ingredients	3.5 tph	--	--
309 346 348	309A	Dryer	Food Ingredients	1.75 tph	--	--
	309B	Dryer		1.75 tph		
	309E	Dryer		1.75 tph		
	309F	Dryer		1.75 tph		
324	309C	Dryer	Food Ingredients	3 tph	--	--
	309D	Dryer		3 tph		
325	325	Dryer	Food Ingredients	3.5 tph	--	--
326	326	Dryer	Food Ingredients	3.5 tph	--	--

**Applicable Requirements**

**Table 41 - Emission Limits**

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement (LCPH ATI / PTO)
305	VOC	226 tpy (Facility VOC Bubble Limit) <sup>1</sup>	5980 / 5662
306			5981 / 5663
309			7438 / 7215
324			7549 / 7361
325			7240 / 6968
326			7241 / 6969
346			7439 / 7216
348			7577 / 7293

<sup>1</sup> See Plant-wide Conditions for Facility Flavorings 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, Facility VOC Bubble Limits section, for Facility Operating Limits, Recordkeeping Requirements and Reporting Requirements that apply to these emission points.

**Table 42 - Emission Point Characteristics**

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

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement (LCPH ATI / PTO)
305	53	V	41 x 28	100	23,660 scfm	5980 / 5662
306	58.20	V	41 x 27	100	23,660 scfm	5981 / 5663
309	61	V	40	100	15,000 scfm	7438 / 7215
324	40	V	38	100	23,000 scfm	7549 / 7361
325	35.5	VR	24	100	7,571 scfm	7240 / 6968
326	39	VR	24	100	7,571 scfm	7241 / 6969
346	55	V	40	100	15,000 scfm	7439 / 7216
348	61	V	40	100	15,000 scfm	7577 / 7293

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 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**

See Appendix D, Stack Testing Summary

**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**

**Table 43 - Associated Equipment**

EP	EU	EU Description	Raw Material	Rated Capacity	CE	CE Description
339	339	Material Conditioner	Starch	26.5 tph	339	Cartridge Filter

**Applicable Requirements**

**Table 44 - Emission Limits**

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement (LCPH ATI / PTO)
339	Opacity	20%	LCO Sec. 10-60(a)	5724 / 5542-R2
	PM	0.1 gr/dscf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	
	PM/PM <sub>10</sub>	0.77 lb/hr		

**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 available on-site for a minimum of five 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 control equipment shall be maintained and operated according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all maintenance and repair completed on the control equipment.
- B. The differential pressure across the control equipment shall be maintained between 0.5" and 12.0" w.c. The owner or operator shall monitor and record the differential pressure across the control equipment on a weekly basis.
- 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.

Authority for Requirement: LCPH ATI 5724 / PTO 5542-R2

**Table 45 - Emission Point Characteristics**

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

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement (LCPH ATI / PTO)
339	59	V	25	93	12,000 scfm	5724 / 5524-R2

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 30 days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

**Monitoring Requirements**

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

**Opacity Monitoring**

See Appendix C, Opacity Monitoring Summary.  
Authority for Requirement: 567 IAC 22.108(14)

**Agency Approved Operation & Maintenance Plan Required?**      Yes  No

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

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

See Appendix B, CAM Plans Summary.

Authority for Requirement: 567 IAC 22.108(3)

**Emission Point ID Number: 400, 500, 501, 502**

**Table 46 - Associated Equipment**

EP	EU	EU Description	Raw Material	Rated Capacity	CE	CE Description
400	400	F-2 Condenser #4	Cooling Water	103,200 gph	400	Drift Eliminators
500	500	C-1 Condenser #2	Cooling Water	42,900 gph	500	Drift Eliminators
501	501	C-1 Condenser #3	Cooling Water	42,900 gph	501	Drift Eliminators
502	502	C-1 Condenser #4	Cooling Water	103,200 gph	502	Drift Eliminators

**Applicable Requirements**

**Table 47 - Emission Limits**

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement (LCPH ATI / PTO)
400	Opacity	20%	LCO Sec. 10-60(a)	5509 / 5377-R1
500	PM	0.1 gr/dscf	LCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"(2)	5688 / 5522-R1
501				5862 / 5755-R1
502				6384 / 6117-R2
400				5509 / 5377-R1
500	PM/PM <sub>10</sub>	0.06 lb/hr		5688 / 5522-R1
501	PM/PM <sub>10</sub>	0.06 lb/hr		5862 / 5755-R1
502	PM/PM <sub>10</sub>	0.15 lb/hr		6384 / 6117-R2

**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 available on-site for a minimum of five 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 Total Dissolved Solids (TDS) concentration in each emission unit (400, 500, 501, and 502) shall not exceed 3,500 parts per million, by weight (3,500 mg/L) for any single sampling event.
- B. The owner or operator is prohibited from using water treatment chemicals (i.e., biocides, fungicides, scale inhibitors, etc.) that contain VOC or HAP in EUs 400, 500, 501, and 502. Maintain Safety Data Sheets (SDS) for all water treatment chemicals used in EUs 400, 500, 501, and 502).

Authority for Requirement: LCPH ATI 5509 / PTO 5377-R1; LCPH ATI 5688 / PTO 5522-R1  
LCPH ATI 5862 / PTO 5755-R1; LCPH ATI 6384 / PTO 6117-R2

**Table 48 - Emission Point Characteristics**

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

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement (LCPH ATI / PTO)
400	59	V	144	78	208,490	5509 / 5377-R1
500	46	V	66	78	92,200	5688 / 5522-R1
501	46	V	66	78	92,200	5862 / 5755-R1
502	43	V	144	78	208,490	6384 / 6117-R2

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 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**

See Appendix C, Stack Testing Summary

**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, 602, 603, 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, 748, 749, 750, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812**

**Table 49 - Associated Equipment**

EP	EU	EU Description	Raw Material	Rated Capacity	CE	CE Description
310	310	Receiver	Ingredient	15 tph	310	Baghouse
600	600	Receiver	Ingredient	3 tph	600	Baghouse
601	601A	Ingredient Weigh Platform	Ingredient	1 tph	601	Baghouse
	601B	Ingredient Supersack Unloading		3 tph		
602	602	Blender	Ingredient	728 lb/hr	602	Cartridge Filters
603	603	Bin	Ingredient	1.375 tph	603	Cartridge Filters
700	700	Receiver	Ingredient	21.9 tph	700	Baghouse
701	701	Receiver	Ingredient	12 tph	701	Dust Collector
702	702	Receiver	Ingredient	9 tph	702	Cartridge Filters
703	703	Receiver	Ingredient	9 tph	703	Cartridge Filters
704	704	Receiver	Ingredient	9 tph	704	Cartridge Filters
705	705	Receiver	Ingredient	4.5 tph	705	Cartridge Filters
706	706	Receiver	Ingredient	3 tph	706	Cartridge Filters
707	707	Receiver	Ingredient	3 tph	707	Cartridge Filters
708	708	Receiver	Ingredient	3 tph	708	Cartridge Filters
709	709	Hopper	Ingredient	3 tph	709	Cartridge Filters
710	710	Bag Dump	Ingredient	2 tph	710	Baghouse
711	711	Bag Dump	Ingredient	2 tph	711	Baghouse
712	712	Bag Dump	Ingredient	2 tph	712	Baghouse
713	713	Receiver	Ingredient	3 tph	713	Cartridge Filters
714	714	Receiver	Ingredient	3 tph	714	Cartridge Filters
715	715A	Mixer	Ingredient	9 tph	715	Cartridge Filters
	715B	Product Receiver		9 tph		
	715C	Product Receiver		9 tph		
716	716A	Product Receiver	Ingredient	4.53 tph	716	Baghouse
	716B	Product Receiver		4.53 tph		
	716C	Blower		4.53 tph		
	716D	Blower		4.53 tph		
717	717A	Blower	Ingredient	3.6 tph	717	Baghouse
	717B	Bin		3.6 tph		
	717C	Bin		3.6 tph		
718	718	Blower	Ingredient	3.6 tph	718	Baghouse
719	719	Receiver	Ingredient	3.6 tph	719	Cartridge Filters
720	720	Super Sack	Ingredient	3 tph	720	Cartridge Filters
721	721	Receiver	Ingredient	3 tph	721	Cartridge Filters
722	722	Receiver	Ingredient	4.5 tph	722	Cartridge Filters
723	723	Receiver	Ingredient	3 tph	723	Cartridge Filters
724	724	Air Lock	Ingredient	1 tph	724	Cartridge Filters
725	725	Air Classifier	Ingredient	6.5 tph	725	Baghouse
726	726A	Bin	Ingredient	6.5 tph	726	Baghouse
	726B	Bin		6.5 tph		
	726C	Bin		6.5 tph		
	726D	Bin		6.5 tph		
727	727	Bulk Totes	Ingredient	6.5 tph	727	Baghouse
728	728A	Bin	Ingredient	6.5 tph	728	Baghouse

EP	EU	EU Description	Raw Material	Rated Capacity	CE	CE Description
	728B	Bin		6.5 tph		
729	729	Receiver	Ingredient	3.6 tph	729	Cartridge Filters
730	730	Receiver	Ingredient	3 tph	730	Cartridge Filters
731	731	Receiver	Ingredient	3 tph	731	Cartridge Filters
732	732	Receiver	Ingredient	3 tph	732	Cartridge Filters
733	733	Hopper	Ingredient	9 tph	733	Baghouse
734	734	Hopper	Ingredient	9 tph	734	Cartridge Filters
735	735	Hopper	Ingredient	9 tph	735	Cartridge Filters
736	736	Hopper	Ingredient	3 tph	736	Baghouse
737	737	Conveyor	Ingredient	3.6 tph	737	Baghouse
738	738	Hopper	Ingredient	3.6 tph	738	Baghouse
739	739	Weigh Station	Ingredient	0.1 tph	739	Cartridge Filters
740	740	Bead Blaster	Ingredient	0.025 tph	740	Baghouse
741	741	Receiver	Ingredient	6 tph	741	Baghouse
742	742	Grinder	Ingredient	3 tph	742	Cartridge Filters
744	744	Receiver	Ingredient	3 tph	744	Baghouse
745	745	Cereal Blending System	Ingredient	5.64 tph	745	Baghouse
746	746	RTC Filter and Hopper	Ingredient	3 tph	746	Cartridge Filters
747	747A	Bagger 1	Ingredient	2 tph	747	Baghouse
	747B	Bagger 2		2 tph		
	747C	Bagger 3		2 tph		
	747D	Bagger 4		2 tph		
	747E	Bagger 5		2 tph		
	747F	Bagger 6		2 tph		
748	748A	Conveyors	Ingredient	6.25 tph combined	748	Baghouse
	748B	Fillers (3)	Ingredient			
749	749A	Baggers (3)	Ingredient	6.25 tph	749	Baghouse
	749B	Baggers (3)	Ingredient	6.25 tph		
750	750	Bins (4)	Ingredient	8.33 tph	750	Cartridge Filters
800	800	Receiver	Ingredient	4.5 tph	800	Baghouse
801	801	Receiver	Ingredient	4.5 tph	801	Cartridge Filters
802	802	Receiver	Ingredient	0.75 tph	802	Baghouse
803	803	Dust Collector	Ingredient	15 tph	803	Cartridge Filters
804	804	Bag Dump	Ingredient	0.75 tph	804	Baghouse
805	805	Receiver	Ingredient	4 tph	805	Cartridge Filters
806	806	Vacuum System	Ingredient	0.75 tph	806	Baghouse
807	807	Starch Receiver	Ingredient	24 tph	807	Cartridge Filters
808	808	Starch Hopper	Ingredient	24 tph	808	Cartridge Filters
809	809	Unloader	Ingredient	550 lbs/hr	809	Cartridge Filters
810	810	Bin	Ingredient	26.5 tph	810	Bin Vent Filters
811	811	Blender	Ingredient	3 tph	811	Cartridge Filters
812	812	Vacuum Receiver	Ingredient	2.4 tph	812	Cartridge Filters

### Applicable Requirements



**Table 50 - General Emission Limits**

*The following emission limits shall not exceed the levels specified below per emission point.*

EPs	Pollutant	Other Limits	Authority for Requirement
EPs in Table 49	Particulate Matter (PM) – State	0.1 gr/dscf	10-62(a)(1) 567 IAC 23.3(2)"a"(2)
	Opacity	No VE	10-58(c)(3)

Authority for Requirement (LCPH ATI/PTO): 6038 / 5771-R1 (310); 6390 / 6118-R1 (600); 7253 / 6966-R1 (601); 7729 / 751-R1 (602); 7803 (603); 5828 / 5619-R1 (700); 5830 / 5620-R1 (701); 5882 / 5891-R1 (702); 5883 / 5892-R1 (703); 5884 / 5893-R1 (704); 7460 / 7221-R1 (705); 5886 / 5721-R1 (706); 5887 / 5722-R1 (707); 5888 / 5723-R1 (708); 5889 / 5724-R1 (709); 5890 / 5725-R1 (710); 5891 / 5726-R1 (711); 5892 / 5895-R1 (712); 5893 / 5727-R1 (713); 5894 / 5896-R1 (714); 5895 / 5897-R1 (715); 6027 / 5898-R1 (716); 5896 / 5899-R1 (717); 5898 / 5900-R1 (718); 5899 / 5901-R1 (719); 5900 / 5902-R1 (720); 5901 / 5728-R1 (721); 7461 / 7222-R1 (722); 5903 / 5903-R1 (723); 5904 / 5730-R2 (724); 5905 / 5904-R1 (725); 5906 / 5905-R1 (726); 7496 / 7217-R1 (727); 5908 / 5732-R1 (728); 5909 / 5733-R1 (729); 5910 / 5734-R1 (730); 5911 / 5735-R1 (731); 5912 / 5736-R1 (732); 5949 / 5906-R1 (733); 5950 / 5907-R2 (734); 5951 / 5908-R2 (735); 5952 / 5909-R2 (736); 5953 / 5737-R1 (737); 5954 / 5910-R1 (738); 5970 / 5911-R1 (739); 5971 / 5912-R1 (740); 6111 / 5922-R1 (741); 6177 / 5951-R1 (742); 6262 / 6083-R1 (744); 6529 / 6435-R1 (745); 6934 / 6700-R1 (746); 7254 / 6967-R1 (747); 7772 / 7514-R1 (748); 7773 / 7515-R1 (749); 7796 / 7542 (750); 6391 / 6218-R2 (800); 6595 / 6490-R1 (801); 6596 / 6491-R1 (802); 6597 / 6492-R1 (803); 6598 / 6493-R1 (804); 6599 / 6494-R1 (805); 6603 / 6495-R1 (806); 7061 / 6835-R1 (807); 7076 / 6836-R1 (808); 7602 / 7382-R1 (809); 7601 / 7437-R1 (810); 7658 / 7433-R1 (811); 7771 / -- (812)

**Table 51 - Emission Limits**

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement (LCPH ATI / PTO)
310	PM/PM <sub>10</sub>	0.05 lb/hr	6038 / 5771-R1
600	PM/PM <sub>10</sub>	0.07 lb/hr	6390 / 6118 – R1
601	PM/PM <sub>10</sub>	0.07 lb/hr	7253 / 6966-R1
602	PM/PM <sub>10</sub>	0.02 lb/hr	7729 / 7451-R1
603	PM/PM <sub>10</sub>	0.02 lb/hr	7803
700	PM	0.10 lb/hr	5828 / 5619-R1
701	PM	0.01 lb/hr	5830 / 5620-R1
702	PM/PM <sub>10</sub>	0.03 lb/hr	5882 / 5891-R1
703	PM/PM <sub>10</sub>	0.03 lb/hr	5883 / 5892-R1
704	PM/PM <sub>10</sub>	0.03 lb/hr	5884 / 5893-R1
705	PM/PM <sub>10</sub>	0.05 lb/hr	7460 / 7221-R1
706	PM/PM <sub>10</sub>	0.02 lb/hr	5886 / 5721-R1
707	PM/PM <sub>10</sub>	0.02 lb/hr	5887 / 5722-R1
708	PM/PM <sub>10</sub>	0.02 lb/hr	5888 / 5723-R1
709	PM/PM <sub>10</sub>	0.02 lb/hr	5889 / 5724-R1
710	PM/PM <sub>10</sub>	0.01 lb/hr	5890 / 5725-R1
711	PM/PM <sub>10</sub>	0.01 lb/hr	5891 / 5726-R1
712	PM/PM <sub>10</sub>	0.01 lb/hr	5892 / 5895-R1
713	PM/PM <sub>10</sub>	0.02 lb/hr	5893 / 5727-R1
714	PM/PM <sub>10</sub>	0.02 lb/hr	5894 / 5896-R1
715	PM/PM <sub>10</sub>	0.014 lb/hr	5895 / 5897-R1
716	PM/PM <sub>10</sub>	0.16 lb/hr	6027 / 5898-R1
717	PM/PM <sub>10</sub>	0.05 lb/hr	5897 / 5899-R1
718	PM/PM <sub>10</sub>	0.02 lb/hr	5898 / 5900-R1
719	PM/PM <sub>10</sub>	0.02 lb/hr	5899 / 5901-R1
720	PM/PM <sub>10</sub>	0.05 lb/hr	5900 / 5902-R1
721	PM/PM <sub>10</sub>	0.01 lb/hr	5901 / 5728-R1
722	PM/PM <sub>10</sub>	0.05 lb/hr	7461 / 7222-R1
723	PM/PM <sub>10</sub>	0.03 lb/hr	5903 / 5903-R1

EP	Pollutant	Emission Limit(s)	Authority for Requirement (LCPH ATI / PTO)
725	PM/PM <sub>10</sub>	0.01 lb/hr	5905 / 5904-R1
726	PM/PM <sub>10</sub>	0.08 lb/hr	5906 / 5905-R1
727	PM/PM <sub>10</sub>	0.12 lb/hr	7496 / 7217-R1
728	PM/PM <sub>10</sub>	0.16 lb/hr	5908 / 5732-R1
729	PM/PM <sub>10</sub>	0.02 lb/hr	5909 / 5733-R1
730	PM/PM <sub>10</sub>	0.02 lb/hr	5910 / 5734-R1
731	PM/PM <sub>10</sub>	0.02 lb/hr	5911 / 5735-R1
732	PM/PM <sub>10</sub>	0.02 lb/hr	5912 / 5736-R1
737	PM/PM <sub>10</sub>	0.17 lb/hr	5953 / 5737-R1
739	PM/PM <sub>10</sub>	0.02 lb/hr	5970 / 5911-R1
740	PM/PM <sub>10</sub>	0.03 lb/hr	5971 / 5912-R1
741	PM/PM <sub>10</sub>	0.16 lb/hr	6111 / 5922-R1
742	PM/PM <sub>10</sub>	0.07 lb/hr	6177 / 5951-R1
744	PM/PM <sub>10</sub>	0.04 lb/hr	6262 / 6083-R1
745	PM/PM <sub>10</sub>	0.12 lb/hr	6529 / 6435-R1
746	PM/PM <sub>10</sub>	0.01 lb/hr	6934 / 6700-R1
747	PM/PM <sub>10</sub>	0.06 lb/hr	7254 / 6967-R1
748	PM/PM <sub>10</sub>	0.21 lb/hr	7772 / 7514-R1
749	PM/PM <sub>10</sub>	0.13 lb/hr	7773 / 7515-R1
750	PM/PM <sub>10</sub>	0.03 lb/hr	7796 / 7542
800	PM/PM <sub>10</sub>	0.05 lb/hr	6391 / 6218-R2
801	PM/PM <sub>10</sub>	0.03 lb/hr	6595 / 6490-R1
802	PM/PM <sub>10</sub>	0.03 lb/hr	6596 / 6491-R1
803	PM/PM <sub>10</sub>	0.26 lb/hr	6597 / 6492-R1
804	PM/PM <sub>10</sub>	0.03 lb/hr	6598 / 6493-R1
805	PM/PM <sub>10</sub>	0.02 lb/hr	6599 / 6494-R1
806	PM/PM <sub>10</sub>	0.04 lb/hr	6603 / 6495-R1
807	PM/PM <sub>10</sub>	0.04 lb/hr	7061 / 6835-R1
809	PM/PM <sub>10</sub>	0.04 lb/hr	7602 / 7382-R1
811	PM/PM <sub>10</sub>	0.03 lb/hr	7658 / 7433-R1

### **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 available on-site for a minimum of five 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 control equipment shall be maintained and operated according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all maintenance and repair completed on the control equipment.
- B. The differential pressure across each piece of control equipment identified in Table 1 shall be maintained between 0.1" and 8.0" w.c. unless identified in [Operating Requirements with Associated Monitoring and Recordkeeping Condition C.]. The owner or operator shall monitor and record the differential pressure across each piece of control equipment in Table 1 on a weekly basis.
- C. The differential pressure across CE310, CE800, CE803, CE805 shall be maintained between 0.1" and 12.0" w.c. The owner or operator shall monitor and record the differential pressure across CE310, CE800, CE803, and CE805 on a weekly basis.

Authority for Requirement (LCPH ATI/PTO): 6038 / 5771-R1 (310); 6390 / 6118-R1 (600); 7253 / 6966-R1 (601); 7729 / 751-R1 (602); 7803 (603); 5828 / 5619-R1 (700); 5830 / 5620-R1 (701); 5882 / 5891-R1 (702); 5883 / 5892-R1 (703); 5884 / 5893-R1 (704); 7460 / 7221-R1 (705); 5886 / 5721-R1 (706); 5887 / 5722-R1 (707); 5888 / 5723-R1 (708); 5889 / 5724-R1 (709); 5890 / 5725-R1 (710); 5891 / 5726-R1 (711); 5892 / 5895-R1 (712); 5893 / 5727-R1 (713); 5894 / 5896-R1 (714); 5895 / 5897-R1 (715); 6027 / 5898-R1 (716); 5896 / 5899-R1 (717); 5898 / 5900-R1 (718);

5899 / 5901-R1 (719); 5900 / 5902-R1 (720); 5901 / 5728-R1 (721); 7461 / 7222-R1 (722); 5903 / 5903-R1 (723); 5904 / 5730-R2 (724); 5905 / 5904-R1 (725); 5906 / 5905-R1 (726); 7496 / 7217-R1 (727); 5908 / 5732-R1 (728); 5909 / 5733-R1 (729); 5910 / 5734-R1 (730); 5911 / 5735-R1 (731); 5912 / 5736-R1 (732); 5949 / 5906-R1 (733); 5950 / 5907-R2 (734); 5951 / 5908-R2 (735); 5952 / 5909-R2 (736); 5953 / 5737-R1 (737); 5954 / 5910-R1 (738); 5970 / 5911-R1 (739); 5971 / 5912-R1 (740); 6111 / 5922-R1 (741); 6177 / 5951-R1 (742); 6262 / 6083-R1 (744); 6529 / 6435-R1 (745); 6934 / 6700-R1 (746); 7254 / 6967-R1 (747); 7772 / 7514-R1 (748); 7773 / 7515-R1 (749); 7796 / 7542 (750); 6391 / 6218-R2 (800); 6595 / 6490-R1 (801); 6596 / 6491-R1 (802); 6597 / 6492-R1 (803); 6598 / 6493-R1 (804); 6599 / 6494-R1 (805); 6603 / 6495-R1 (806); 7061 / 6835-R1 (807); 7076 / 6836-R1 (808); 7602 / 7382-R1 (809); 7601 / 7437-R1 (810); 7658 / 7433-R1 (811); 7771 / -- (812)

**Table 52 - Emission Point Characteristics**

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

EP	Discharge Style	Flowrate (acfm)	Authority for Requirement (LCPH ATI / PTO)
310	Indoor	1,520 scfm	6038 / 5771-R1
600	Indoor	2,000 scfm	6390 / 6118-R1
601	Indoor	1,650 scfm	7253 / 6966-R1
602	Indoor	558 scfm	7729 / 7451-R1
603	Indoor	558 scfm	7803
700	Indoor	3,000 scfm	5828 / 5619-R1
701	Indoor	320 scfm	5830 / 5620-R1
702	Indoor	1,000 scfm	5882 / 5891-R1
703	Indoor	1,000 scfm	5883 / 5892-R1
704	Indoor	1,000 scfm	5884 / 5893-R1
705	Indoor	1,500 scfm	7460 / 7221-R1
706	Indoor	500 scfm	5886 / 5721-R1
707	Indoor	500 scfm	5887 / 5722-R1
708	Indoor	700 scfm	5888 / 5723-R1
709	Indoor	700 scfm	5889 / 5724-R1
710	Indoor	300 scfm	5890 / 5725-R1
711	Indoor	300 scfm	5891 / 5726-R1
712	Indoor	300 scfm	5892 / 5895-R1
713	Indoor	500 scfm	5893 / 5727-R1
714	Indoor	700 scfm	5894 / 5896-R1
715	Indoor	400 scfm	5895 / 5897-R1
716	Indoor	4,700 scfm	6027 / 5898-R1
717	Indoor	1,500 scfm	5897 / 5899-R1
718	Indoor	700 scfm	5898 / 5900-R1
719	Indoor	700 scfm	5899 / 5901-R1
720	Indoor	1,600 scfm	5900 / 5902-R1
721	Indoor	300 scfm	5901 / 5728-R1
722	Indoor	1,500 scfm	7461 / 7222-R1
723	Indoor	1,000 scfm	5903 / 5903-R1
724	Indoor	100 scfm	5904 / 5730-R2
725	Indoor	4,000 scfm	5905 / 5904-R1
726	Indoor	2,400 scfm	5906 / 5905-R1
727	Indoor	3,500 scfm	7496 / 7217-R1
728	Indoor	4,600 scfm	5908 / 5732-R1
729	Indoor	500 scfm	5909 / 5733-R1
730	Indoor	500 scfm	5910 / 5734-R1
731	Indoor	500 scfm	5911 / 5735-R1
732	Indoor	500 scfm	5912 / 5736-R1
733	Indoor	100 scfm	5949 / 5906-R1
734	Indoor	100 scfm	5950 / 5907-R2
735	Indoor	100 scfm	5951 / 5908-R2
736	Indoor	<10 scfm	5952 / 5909-R2

EP	Discharge Style	Flowrate (acfm)	Authority for Requirement (LCPH ATI / PTO)
737	Indoor	5,000 scfm	5953 / 5737-R1
738	Indoor	100 scfm	5954 / 5910-R1
739	Indoor	560 scfm	5970 / 5911-R1
740	Indoor	850 scfm	5971 / 5912-R1
741	Indoor	4,800 scfm	6111 / 5922-R1
742	Indoor	2,000 scfm	6177 / 5951-R1
744	Indoor	1,254 scfm	6262 / 6083-R1
745	Indoor	3,500 scfm	6529 / 6435-R1
746	Indoor	270 scfm	6934 / 6700-R1
747	Indoor	1,600 scfm	7524 / 6967-R1
748	Indoor	5,000 scfm	7772 / 7514-R1
749	Indoor	3,000 scfm	7773 / 7515-R1
750	Indoor	800 scfm	7796 / 7542
800	Indoor	1,500 scfm	6391 / 6218-R2
801	Indoor	879 scfm	6595 / 6490-R1
802	Indoor	865 scfm	6596 / 6491-R1
803	Indoor	7,450 scfm	6597 / 6492-R1
804	Indoor	865 scfm	6598 / 6493-R1
805	Indoor	626 scfm	6599 / 6494-R1
806	Indoor	1,200 scfm	6603 / 6495-R1
807	Indoor	1,000 scfm	7061 / 6835-R1
808	Indoor	200 scfm	7076 / 6836-R1
809	Indoor	800 scfm	7602 / 7382-R1
810	Indoor	35 scfm	7601 / 7437-R1
811	Indoor	588 scfm	7658 / 7433-R1
812	Indoor	558 scfm	7771

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 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)

## 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**

- 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.
- 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.
- The emissions inventory shall be submitted annually by March 31 with forms specified by the department documenting actual emissions for the previous calendar year.
- The fee shall be submitted annually by July 1 with forms specified by the department.
- 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.
- 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.
- 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.
- Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 22.115(1)"d".

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

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

1. Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
3. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
4. Sample or monitor, at reasonable times, substances or parameters for the purpose of ensuring compliance with the permit or other applicable requirements. *567 IAC 22.108 (15)"b" and LCO Sec. 10-75*

### **G8. Duty to Provide Information**

The permittee shall furnish to the director, within a reasonable time, any information that the director may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the director copies of records required to be kept by the permit, or for information claimed to be confidential, the permittee shall furnish such records directly to the administrator of EPA along with a claim of confidentiality. *567 IAC 22.108 (9)"e" and LCO Sec. 10-71 and 10-72*

### **G9. General Maintenance and Repair Duties**

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

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

#### **G10. Recordkeeping Requirements for Compliance Monitoring**

1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records, where applicable:
  - a. The date, place and time of sampling or measurements;
  - b. The date the analyses were performed;
  - c. The company or entity that performed the analyses;
  - d. The analytical techniques or methods used;
  - e. The results of such analyses;
  - f. The operating conditions as existing at the time of sampling or measurement; and
  - g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts).
2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.
3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:
  - a. Comply with all terms and conditions of this permit specific to each alternative scenario.
  - b. Maintain a log at the permitted facility of the scenario under which it is operating.
  - c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 22.108(4), 567 IAC 22.108(12)*

#### **G11. Evidence used in establishing that a violation has or is occurring.**

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

1. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred at a source:
  - a. A monitoring method approved for the source and incorporated in an operating permit pursuant to 567 Chapter 22;
  - b. Compliance test methods specified in 567 Chapter 25; or
  - c. Testing or monitoring methods approved for the source in a construction permit issued pursuant to 567 Chapter 22.
2. The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:
  - a. Any monitoring or testing methods provided in these rules; or
  - b. Other testing, monitoring, or information gathering methods that produce information comparable to that produced by any method in subrule 21.5(1) or this subrule. *567 IAC 21.5(1)-567 IAC 21.5(2) and LCO Sec. 10-69(1)*

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

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Act, the permittee shall notify the department of this requirement. The plan shall be filed with all appropriate authorities by the deadline specified by EPA. A certification that this risk management plan is being properly implemented shall be included in the annual compliance certification of this permit. *567 IAC 22.108(6)*

#### **G13. Hazardous Release**

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

#### **G14. Excess Emissions and Excess Emissions Reporting Requirements**

- 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.

- o Excess Emissions Reporting
  - Initial Reporting of Excess Emissions. An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 25.1(6). An initial report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 25.1(1) ) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable emission standard by more than 10 percent or the applicable visible emission standard by more than 10 percent opacity. The initial report may be made by electronic mail (E-mail), in person, or by telephone and shall include as a minimum the following:
    - i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.
    - ii. The estimated quantity of the excess emission.
    - iii. The time and expected duration of the excess emission.
    - iv. The cause of the excess emission.
    - v. The steps being taken to remedy the excess emission.
    - vi. The steps being taken to limit the excess emission in the interim period.
  - c. Written Reporting of Excess Emissions. A written report of an incident of excess emission shall be submitted as a follow-up to all required initial reports to the department within seven days of the onset of the upset condition, and shall include as a minimum the following:
    - i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.
    - ii. The estimated quantity of the excess emission.
    - iii. The time and duration of the excess emission.
    - iv. The cause of the excess emission.
    - v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.
    - vi. The steps that were taken to limit the excess emission.
    - vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. *567 IAC 24.1(1)-567 IAC 24.1(4) and LCO Sec. 10-67*
- o 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:
  - An emergency occurred and that the permittee can identify the cause(s) of the emergency;
  - The facility at the time was being properly operated;



- 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
- The permittee submitted notice of the emergency to the director by certified mail within two working days of the time when the emissions limitations were exceeded due to the emergency. This notice fulfills the requirement of paragraph 22.108(5)"b." – See G15. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof. This provision is in addition to any emergency or upset provision contained in any applicable requirement. *567 IAC 22.108(16)*

#### **G15. Permit Deviation Reporting Requirements**

A deviation is any failure to meet a term, condition or applicable requirement in the permit. Reporting requirements for deviations that result in a hazardous release or excess emissions have been indicated above (see G13 and G14). Unless more frequent deviation reporting is specified in the permit, any other deviation shall be documented in the semi-annual monitoring report and the annual compliance certification (see G4 and G5). *567 IAC 22.108(5)"b"*

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

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

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

1. Off Permit Changes to a Source. Pursuant to section 502(b)(10) of the CAAA, the permittee may make changes to this installation/facility without revising this permit if:
    - a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 22.
    - b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);
    - c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);
    - d. The changes are not subject to any requirement under Title IV of the Act (revisions affecting Title IV permitting are addressed in rules 567—22.140(455B) through 567 - 22.144(455B));
    - e. The changes comply with all applicable requirements.
    - f. For each such change, the permitted source provides to the department and the administrator by certified mail, at least 30 days in advance of the proposed change, a written notification, including the following, which must be attached to the permit by the source, the department and the administrator:
      - i. A brief description of the change within the permitted facility,
      - ii. The date on which the change will occur,
      - iii. Any change in emission as a result of that change,
      - iv. The pollutants emitted subject to the emissions trade
      - v. If the emissions trading provisions of the state implementation plan are invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.
      - vi. A description of the trading of emissions increases and decreases for the purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and
      - vii. Any permit term or condition no longer applicable as a result of the change.
- 567 IAC 22.110(1)*
2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. *567 IAC 22.110(2)*

3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 22.110(1). *567 IAC 22.110(3)*
4. The permit shield provided in subrule 22.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. *567 IAC 22.110(4)*
5. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. *567 IAC 22.108(11)*

#### **G18. Duty to Modify a Title V Permit**

##### **1. Administrative Amendment.**

- a. An administrative permit amendment is a permit revision that does any of the following:
  - i. Correct typographical errors;
  - ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;
  - iii. Require more frequent monitoring or reporting by the permittee; or
  - iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittee has been submitted to the director.
- b. The permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. The request shall be submitted to the director.
- c. Administrative amendments to portions of permits containing provisions pursuant to Title IV of the Act shall be governed by regulations promulgated by the administrator under Title IV of the Act.

##### **2. Minor Title V Permit Modification.**

- a. Minor Title V permit modification procedures may be used only for those permit modifications that satisfy all of the following:
  - i. Do not violate any applicable requirement;
  - ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit;
  - iii. Do not require or change a case by case determination of an emission limitation or other standard, or an increment analysis;
  - iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act;
  - v. Are not modifications under any provision of Title I of the Act; and
  - vi. Are not required to be processed as significant modification under rule 567 - 22.113(455B).
- b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:
  - i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
  - ii. The permittee's suggested draft permit;
  - iii. Certification by a responsible official, pursuant to 567 IAC 22.107(4), that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used; and
  - iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 22.107(7).
- c. The permittee may make the change proposed in its minor permit modification application immediately after it files the application. After the permittee makes this change and until the

director takes any of the actions specified in 567 IAC 22.112(4) "a" to "c", the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time, the permittee need not comply with the existing permit terms and conditions it seeks to modify. However, if the permittee fails to comply with its proposed permit terms and conditions during this time period, the existing permit terms and conditions it seeks to modify may be enforced against the facility.

3. Significant Title V Permit Modification.

- a. Significant Title V modification procedures shall be used for applications requesting Title V permit modifications that do not qualify as minor Title V modifications or as administrative amendments. These include but are not limited to all significant changes in monitoring permit terms, every relaxation of reporting or recordkeeping permit terms, and any change in the method of measuring compliance with existing requirements. Significant Title V modifications shall meet all requirements of 567 IAC Chapter 22, including those for applications, public participation, review by affected states, and review by the administrator, as those requirements that apply to Title V issuance and renewal.
- b. The permittee shall submit an application for a significant permit modification not later than three months after commencing operation of the changed source unless the existing Title V permit would prohibit such construction or change in operation, in which event the operation of the changed source may not commence until the department revises the permit. *567 IAC 22.111-567 IAC 22.113*

**G19. Duty to Obtain Construction Permits**

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

**G20. Asbestos**

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

**G21. Open Burning**

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

**G22. Acid Rain (Title IV) Emissions Allowances**

The permittee shall not exceed any allowances that it holds under Title IV of the Act or the regulations promulgated there under. Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners and operators of the unit or the designated representative of the owners and operators is prohibited. Exceedances of applicable emission rates are prohibited. "Held" in this context refers to both those allowances assigned to the owners and operators by USEPA, and those allowances supplementally acquired by the owners and operators. The use of any allowance prior to the year for which it was allocated is prohibited. Contravention of any other provision of the permit is prohibited. *567 IAC 22.108(7)*

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

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
  - a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.
  - b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.
  - c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.
  - d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.

2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:
  - a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.
  - b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.
  - c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.
  - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)
  - e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.
  - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.
3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.
4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant,
5. The permittee shall be allowed to switch from any ozone-depleting or greenhouse gas generating substances to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *40 CFR part 82*

#### **G24. Permit Reopenings**

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *567 IAC 22.108(9)"c"*
2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.
  - a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;
  - b. Reopening and revision on this ground is not required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to May 15, 2001.
  - b. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 22.108(17)"a", 567 IAC 22.108(17)"b"*
3. A permit shall be reopened and revised under any of the following circumstances:
  - a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to July 21, 1992, provided that the reopening may be stayed pending judicial review of that determination;
  - b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;
  - c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.

- d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.
  - e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. *567 IAC 22.114(1)*
4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. *567 IAC 22.114(2)*
  5. A notice of intent shall be provided to the Title V source at least 30 days in advance of the date the permit is to be reopened, except that the director may provide a shorter time period in the case of an emergency. *567 IAC 22.114(3)*

#### **G25. Permit Shield**

1. The director may expressly include in a Title V permit a provision stating that compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that:
  - a. Such applicable requirements are included and are specifically identified in the permit; or
  - b. The director, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the source, and the permit includes the determination or a concise summary thereof.
2. A Title V permit that does not expressly state that a permit shield exists shall be presumed not to provide such a shield.
3. A permit shield shall not alter or affect the following:
  - a. The provisions of Section 303 of the Act (emergency orders), including the authority of the administrator under that section;
  - b. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
  - c. The applicable requirements of the acid rain program, consistent with Section 408(a) of the Act;
  - d. The ability of the department or the administrator to obtain information from the facility pursuant to Section 114 of the Act. *567 IAC 22.108 (18)*

#### **G26. Severability**

The provisions of this permit are severable and if any provision or application of any provision is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding. *567 IAC 22.108 (8)*

#### **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:

Linn County Public Health  
Air Quality Division  
1020 6<sup>th</sup> S. SE  
Cedar Rapids, IA 52401  
(319) 892-6000

*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  
6200 Park Ave, Suite 200  
Des Moines, IA 50321  
(515) 725-8200

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

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

## V. 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:

[Air Technology Standards in Region 7 | US EPA](#)

### 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: [Air Technology Standards in Region 7 | US EPA](#)

## V. Appendix B: CAM Plans Summary

### I. Background

- A. Emissions Unit  
Description: See CAM Table 1 for full listing  
Identification: See CAM Table 1 for full listing  
Facility: GM Cereal Properties, Inc.  
Cedar Rapids, Iowa
- B. Applicable Regulation, Emission Limit, and Monitoring Requirements  
Regulation No.: See CAM Table 1 for details  
Emission Limit or Standard: See CAM Table 1 for details  
Current Monitoring Requirements: See CAM Table 1 for details
- C. Control Technology  
See CAM Table 1 for details

### II. Monitoring Approach

#### General Monitoring Guidelines

- CAM involves the observation of control equipment indicators: See CAM Table 1 for details. This plan defines acceptable ranges for these indicators. CAM also includes control equipment inspections when excursions of the indicator have taken place and possible corrective action and maintenance, if necessary.
- Monitoring is not required during periods of time greater than one day in which the source does not operate.

#### Excursion from Compliance

- An excursion occurs when an observed compliance indicator is outside of its defined acceptable indicator range during normal operations, not including startup and shutdown events. An excursion does not necessarily indicate a violation of applicable permit terms, conditions, and/or requirements. However, an excursion must be reported in the Annual Compliance Certification Report.
- Corrective actions will begin as soon as possible, but no later than eight hours from the observation of the excursion.

- A. Indicator  
See CAM Table 1 for the complete details of monitoring indicators identified by emission point and associated control equipment.
- B. Indicator Range  
See CAM Table 1 for the appropriate indicator range(s) for each of the selected monitoring indicators identified by emission point and associated control equipment. An excursion is defined as an observation of a monitoring indicator that falls outside/below the identified indicator range. Excursions trigger an inspection, corrective action and a recordkeeping requirement.
- C. Measurement Approach  
See CAM Table 1 for individual monitoring frequencies for each of the selected monitoring indicators identified by emission point and associated control equipment.
- D. QIP (Quality Improvement Plan) Threshold  
The QIP threshold is six excursions in a six-month reporting period.



E. Performance Criteria

Data representativeness:

Excursions from the normal operating range(s) of the monitoring indicators listed in CAM Table 1 could reveal a decrease in the performance of the control equipment and potentially result in an increase of emissions if corrective actions are not initiated.

Verification of operational status:

Record any excursions and corrective actions, inspections and maintenance resulting from readings outside/below the indicator range. Records of monitoring indicator measurements shall be kept for a minimum of five (5) years and shall be available for inspection by the federal, state, and local air pollution regulatory agencies and/or their representatives. Records shall be legible and maintained in an orderly manner.

QA/QC practices and criteria:

All instruments and control equipment will be calibrated, maintained, and operated according to the manufacturer's specifications.

Monitoring frequency:

The facility shall check the monitoring indicators at the frequency identified in CAM Table 1 when the associated emission unit (or units) is in operation.

Data collection procedure:

Monitoring indicators are recorded daily. Monitoring records will be maintained for 5 years. Maintenance records will be kept for 5 years.

**Table 53 - CAM Table 1. Summary of CAM Requirements by Emission Point**

EP	EU	EU Description	CE	Pollutant	Emission Limit(s)	Regulation No. (LCPH ATI / PTO)
180	180	Regrinds Receiver	Cartridge Filters	PM	0.1 gr/dscf 1.98 lb/hr	6436 / 6219-R1
				PM <sub>10</sub>	1.98 lb/hr	
339	339	Material Conditioner	Cartridge Filters	PM	0.1 gr/dscf 0.77 lb/hr	5724 / 5542-R1
				PM <sub>10</sub>	0.77 lb/hr	

**Table 54 - CAM Table 1. Summary of CAM Requirements by Emission Point (Continued)**

EP	Current Monitoring Requirements	Monitoring Indicator	Indicator Range	Measurement Approach	Monitoring Frequency
180	Differential pressure readings	ΔP	0.1 – 8 in w.c. <sup>1</sup>	Differential pressure measurement using pressure gauge	Daily
339	Differential pressure readings	ΔP	0.1 – 8 in w.c. <sup>1</sup>	Differential pressure measurement using pressure gauge	Daily

<sup>1</sup> An excursion is defined as an observation of a monitoring indicator that falls outside/below the identified indicator range except for unit startup. Excursions trigger an inspection, corrective action, and a recordkeeping requirement.

## V. Appendix C: Opacity Monitoring Summary

### 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.

**Table 55 - Opacity Monitoring Table**

EP	EU ID	EP	EU ID
102	102	160	160
103	103	161	161
104	104	168	168
105	105	169	169
107	107 / 177A	170	170
108	108 / 177B	173	173
109	109 / 138A	174	174
125	125	175	175
130	130	176	176
134	134	177	177
135	135 / 135B	180	180
137	137	182	182A/B
138	138	183	183
145	145C / 177C	200	200
146	146 / 138C	308	308A/B/C
147	147 / 138D	339	339
148	148	340	340
152	152	344	344

Authority for Requirement: 567 IAC 22.108(14)

## V. APPENDIX D – Stack Testing Summary

Table 56 - Stack Testing Summary

EP	EU Description	Pollutant	Compliance Methodology	Completion Deadline	Test Method
103	Dryer	PM	Stack Test	May 31, 2027	40 CFR 60, Appendix A, Method 5 40 CFR 51, Appendix M, Method 202
104	Cookers	PM	Stack Test	May 31, 2027	40 CFR 60, Appendix A, Method 5 40 CFR 51, Appendix M, Method 202
130	Dryer	PM	Stack Test	May 31, 2027	40 CFR 60, Appendix A, Method 5 40 CFR 51, Appendix M, Method 202
161	Dryer	PM	Stack Test	May 31, 2027	40 CFR 60, Appendix A, Method 5 40 CFR 51, Appendix M, Method 202
200	Product Receiver	PM	Stack Test	May 31, 2027	40 CFR 60, Appendix A, Method 5 40 CFR 51, Appendix M, Method 202
305 306 309 324 325 326 346 348	Dryers	VOC	Mass Balance <sup>1</sup>	Monthly	NA
		Propylene Glycol	Analysis <sup>2</sup>	Biennial	NA
400 500 501 502	F-2 Condenser #4 C-1 Condenser #2 Condenser #3 C-1 Condenser #4	TDS	Water Sampling	Quarterly	NA

<sup>1</sup> 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.

<sup>2</sup> Test one (1) fruit sample every other calendar year for retention of the propylene glycol.

*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)*

Authority for Requirement – 567 IAC 22.108(3) (All)