Iowa Department of Natural Resources
Title V Operating Permit

Name of Permitted Facility: GM Cereal Properties, Inc.
Facility Location: 4800 Edgewood Road SW
Cedar Rapids, IA 52404

Air Quality Operating Permit Number: 04-TV-016R2
Expiration Date: June 26, 2024
Permit Renewal Application Deadline: December 26, 2023

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

Responsible Official
Name: Mr. Rue Patel
Title: Plant Manager
Mailing Address: PO Box 3007, Cedar Rapids, IA 52406-3007
Phone #: (319) 390-2486

Permit Contact Person for the Facility
Name: Ms. Katie Cargin
Title: Environmental Manager
Mailing Address: PO Box 3007, Cedar Rapids, IA 52406-3007
Phone #: (319) 390-2188

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

Lori Hanson, Supervisor of Air Operating Permits Section  Date

6/27/2019
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Abbreviations

acfm............................actual cubic feet per minute
CFR............................Code of Federal Regulation
CE ............................control equipment
CEM ...........................continuous emission monitor
°F...............................degrees Fahrenheit
EIQ ............................emissions inventory questionnaire
EP ............................emission point
EU ............................emission unit
gr./dscf .......................grains per dry standard cubic foot
gr./100 cf ..........................grains per one hundred cubic feet
IAC ...............................Iowa Administrative Code
IDNR ..........................Iowa Department of Natural Resources
MVAC......................motor vehicle air conditioner
NAICS........................North American Industry Classification System
NSPS ..........................new source performance standard
ppmv ..........................parts per million by volume
lb./hr ...........................pounds per hour
lb./MMBtu ............................pounds per million British thermal units
SCC ...............................Source Classification Codes
scfm .............................standard cubic feet per minute
SIC .............................Standard Industrial Classification
TPY ............................tons per year
USEPA .......................United States Environmental Protection Agency

Pollutants
PM ..............................particulate matter
PM10 ..........................particulate matter ten microns or less in diameter
SO2 .............................sulfur dioxide
NOx .............................nitrogen oxides
VOC .............................volatile organic compound
CO ..............................carbon monoxide
HAP .............................hazardous air pollutant
## I. Facility Description and Equipment List

**Facility Name:** GM Cereal Properties, Inc.  
**Permit Number:** 04-TV-016R2

**Facility Description:** Breakfast Cereal Manufacturing Facility (SIC 2043)

### Equipment List

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<td>Receiver</td>
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<td>Receiver</td>
<td>6599 / 6494</td>
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<td>Vacuum System</td>
<td>6603 / 6495</td>
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<td>Starch Receiver</td>
<td>7061 / 6835</td>
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<td>808</td>
<td>EU808</td>
<td>Starch Hopper</td>
<td>7076 / 6836</td>
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### Insignificant Equipment List

<table>
<thead>
<tr>
<th>Insignificant Emission Unit Number</th>
<th>Insignificant Emission Unit Description</th>
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<tbody>
<tr>
<td>INSFUG2</td>
<td>Maintenance Sand Blasting Areas</td>
</tr>
<tr>
<td>INSFUG3</td>
<td>Maintenance Welding Areas</td>
</tr>
<tr>
<td>INSFUG4</td>
<td>Multiple Dust Collectors Exhausting Inside Plant – Non-Permitted Points</td>
</tr>
<tr>
<td>INSFUG5</td>
<td>By Products Load Out</td>
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<tr>
<td>INSFUG6</td>
<td>Maintenance Parts Washers</td>
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<td>INSFUG7</td>
<td>Ink Jet Coders</td>
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<td>INSFUG8</td>
<td>Effluent Neutralization Tank</td>
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<td>Cleaning Chemical Storage</td>
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<td>INSFUG12</td>
<td>Container Laser Coding</td>
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<td>Label Printers for Pallets</td>
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<td>Vacuum Pump Exhausts</td>
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<td>INSFUG15</td>
<td>Diesel Fuel Storage Tanks</td>
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<td>INSFUG16</td>
<td>Skimmer Tanks</td>
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<td>INSFUG17</td>
<td>Used Oil Tanks</td>
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<td>Gluing at Unitizers</td>
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<td>Forklift Battery Charging</td>
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<td>Air Drying Equipment</td>
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<td>Wash Rack Exhausts</td>
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<td>Knife Blade Sharpener</td>
</tr>
<tr>
<td>INSFUG25</td>
<td>Rail Switch Heater</td>
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</tbody>
</table>
II. Plant-Wide Conditions

Facility Name: GM Cereal Properties, Inc.
Permit Number: 04-TV-016R2

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

**Permit Duration**

The term of this permit is: less than 5 years
Commencing on: June 27, 2019
Ending on: June 26, 2024

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

**Plant-Wide Emission Limits**

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

**Combustion Bubble Limit**

Nitrogen Oxide (NOₓ): 235 tpy

This emission limit shall apply to the following emission points:

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Emission Point Description</th>
<th>Nitrogen Oxide (NOₓ)</th>
<th>Authority for Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU001</td>
<td>Boiler #1</td>
<td>235 tpy</td>
<td>LCPH ATI 40B / PTO 4581R2</td>
</tr>
<tr>
<td>EU002</td>
<td>Boiler #2</td>
<td>235 tpy</td>
<td>LCPH ATI 40B / PTO 4582R2</td>
</tr>
<tr>
<td>EU132</td>
<td>Gas Fired Preheater</td>
<td>235 tpy</td>
<td>LCPH ATI 6178 / PTO 5939</td>
</tr>
<tr>
<td>EU139</td>
<td>Gas Fired Preheater</td>
<td>235 tpy</td>
<td>LCPH ATI 2317 / PTO 4601R2</td>
</tr>
<tr>
<td>EU140</td>
<td>Gas Fired Preheater</td>
<td>235 tpy</td>
<td>LCPH ATI 2316 / PTO 4602R1</td>
</tr>
<tr>
<td>EU141</td>
<td>Gas Fired Preheater</td>
<td>235 tpy</td>
<td>LCPH ATI 2324 / PTO 4603R2</td>
</tr>
<tr>
<td>EU150</td>
<td>Gas Fired Preheater</td>
<td>235 tpy</td>
<td>LCPH ATI 5818 / PTO 5566R1</td>
</tr>
<tr>
<td>EU151</td>
<td>Gas Fired Preheater</td>
<td>235 tpy</td>
<td>LCPH ATI 6179 / PTO 5940</td>
</tr>
<tr>
<td>EU159</td>
<td>Propane Gas Feeder Vaporizer</td>
<td>235 tpy</td>
<td>LCPH ATI 6633 / PTO 6470</td>
</tr>
<tr>
<td>EU162</td>
<td>Standby Diesel Generator 800 eKW</td>
<td>235 tpy</td>
<td>LCPH ATI 6234 / PTO 6008</td>
</tr>
<tr>
<td>EU164</td>
<td>Gas Fired Preheater</td>
<td>235 tpy</td>
<td>LCPH ATI 6621 / PTO 6458</td>
</tr>
<tr>
<td>EU166</td>
<td>Shop Emergency Generator (Standby)</td>
<td>235 tpy</td>
<td>LCPH ATI 6236 / PTO 6010</td>
</tr>
<tr>
<td>EU167</td>
<td>Standby Generator 800 kW</td>
<td>235 tpy</td>
<td>LCPH ATI 6237 / PTO 6011</td>
</tr>
<tr>
<td>EU172</td>
<td>Heater</td>
<td>235 tpy</td>
<td>LCPH ATI 5867 / PTO 5776R1</td>
</tr>
<tr>
<td>EU178</td>
<td>Water Heater</td>
<td>235 tpy</td>
<td>LCPH ATI 5979 / PTO 5781</td>
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<tr>
<td>EU179</td>
<td>Propane Purge Burner</td>
<td>235 tpy</td>
<td>LCPH ATI 6002 / PTO 5720R2</td>
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<tr>
<td>EU181</td>
<td>MCC Emergency Generator 200 kW Natural Gas</td>
<td>235 tpy</td>
<td>LCPH ATI 6297 / PTO 6135R1</td>
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</tbody>
</table>

APD 9 04-TV-016R2 6/27/2019
Facility Operating Limits

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

Facility Bubble Permit Recordkeeping Requirements

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

Facility Reporting

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

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

---

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Operating Limits</th>
<th>Recordkeeping Requirements</th>
<th>Reporting</th>
<th>Authority for Requirement</th>
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<tbody>
<tr>
<td>EU001</td>
<td>12,000,000 gal/yr propane</td>
<td>Monthly fuel usage and emissions calculations.</td>
<td>Quarterly propane use &amp; NOx emissions</td>
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<td>Quarterly propane use &amp; NOx emissions</td>
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<td>EU132</td>
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<td>Monthly fuel usage and emissions calculations.</td>
<td>Quarterly propane use &amp; NOx emissions</td>
<td>LCPH ATI 6178 / PTO 5939</td>
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<tr>
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<td>Monthly fuel usage and emissions calculations.</td>
<td>Quarterly propane use &amp; NOx emissions</td>
<td>LCPH ATI 2317 / PTO 4601R2</td>
</tr>
<tr>
<td>EU140</td>
<td>12,000,000 gal/yr propane</td>
<td>Monthly fuel usage and emissions calculations.</td>
<td>Quarterly propane use &amp; NOx emissions</td>
<td>LCPH ATI 2316 / PTO 4602R1</td>
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<tr>
<td>Emission Unit</td>
<td>Operating Limits</td>
<td>Recordkeeping Requirements</td>
<td>Reporting</td>
<td>Authority for Requirement</td>
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<tr>
<td>EU141</td>
<td>12,000,000 gal/yr propane</td>
<td>Monthly fuel usage and emissions calculations.</td>
<td>Quarterly propane use &amp; NOx emissions</td>
<td>LCPH ATI 2324 / PTO 4603R2</td>
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<tr>
<td>EU150</td>
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<td>Monthly fuel usage and emissions calculations.</td>
<td>Quarterly propane use &amp; NOx emissions</td>
<td>LCPH ATI 5818 / PTO 5566R1</td>
</tr>
<tr>
<td>EU151</td>
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<td>LCPH ATI 6179 / PTO 5940</td>
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<tr>
<td>EU159</td>
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<td>Quarterly propane use &amp; NOx emissions</td>
<td>LCPH ATI 6633 / PTO 6470</td>
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<tr>
<td>EU162</td>
<td>12,000,000 gal/yr propane</td>
<td>Monthly fuel usage and emissions calculations.</td>
<td>Quarterly propane use &amp; NOx emissions</td>
<td>LCPH ATI 6234 / PTO 6008</td>
</tr>
<tr>
<td>EU164</td>
<td>12,000,000 gal/yr propane</td>
<td>Monthly fuel usage and emissions calculations.</td>
<td>Quarterly propane use &amp; NOx emissions</td>
<td>LCPH ATI 6621 / PTO 6458</td>
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<tr>
<td>EU166</td>
<td>12,000,000 gal/yr propane</td>
<td>Monthly fuel usage and emissions calculations.</td>
<td>Quarterly propane use &amp; NOx emissions</td>
<td>LCPH ATI 6236 / PTO 6010</td>
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<tr>
<td>EU167</td>
<td>12,000,000 gal/yr propane</td>
<td>Monthly fuel usage and emissions calculations.</td>
<td>Quarterly propane use &amp; NOx emissions</td>
<td>LCPH ATI 6237 / PTO 6011</td>
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<tr>
<td>EU172</td>
<td>12,000,000 gal/yr propane</td>
<td>Monthly fuel usage and emissions calculations.</td>
<td>Quarterly propane use &amp; NOx emissions</td>
<td>LCPH ATI 5867 / PTO 5776R1</td>
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<tr>
<td>EU178</td>
<td>12,000,000 gal/yr propane</td>
<td>Monthly fuel usage and emissions calculations.</td>
<td>Quarterly propane use &amp; NOx emissions</td>
<td>LCPH ATI 5979 / PTO 5781</td>
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<tr>
<td>EU179</td>
<td>12,000,000 gal/yr propane</td>
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<td>Quarterly propane use &amp; NOx emissions</td>
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<td>EU181</td>
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<td>Quarterly propane use &amp; NOx emissions</td>
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<tr>
<td>EU307</td>
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<td>Quarterly propane use &amp; NOx emissions</td>
<td>LCPH ATI 4607 / PTO 4762</td>
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<td>LCPH ATI 2533 / PTO 4583R2</td>
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<td>Quarterly propane use &amp; NOx emissions</td>
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<tr>
<td>EU322</td>
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<td>Quarterly propane use &amp; NOx emissions</td>
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<td>Quarterly propane use &amp; NOx emissions</td>
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<td>Quarterly propane use &amp; NOx emissions</td>
<td>LCPH ATI 4144 / PTO 4644R4</td>
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</tbody>
</table>

**VOC Bubble Limit**

Volatile Organic Compounds (VOC): 226 tpy

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

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Volatile Organic Compounds (VOC)¹</th>
<th>Authority for Requirement</th>
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</thead>
<tbody>
<tr>
<td>EU305</td>
<td>226 tpy</td>
<td>LCPH ATI 5980 / PTO 5662</td>
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<tr>
<td>EU306</td>
<td>226 tpy</td>
<td>LCPH ATI 5981 / PTO 5663</td>
</tr>
</tbody>
</table>
Emission Unit | Volatile Organic Compounds (VOC) | Authority for Requirement
--- | --- | ---
EU309A | 226 tpy | LCPH ATI 7060 / PTO 6816
EU309B | 226 tpy | LCPH ATI 7060 / PTO 6816
EU309C | 226 tpy | LCPH ATI 6796 / PTO 6579
EU309D | 226 tpy | LCPH ATI 6796 / PTO 6579
EU309E | 226 tpy | LCPH ATI 7060 / PTO 6816
EU309F | 226 tpy | LCPH ATI 7060 / PTO 6816
EU324C | 226 tpy | LCPH ATI 6796 / PTO 6579
EU324D | 226 tpy | LCPH ATI 6796 / PTO 6579
EU325 | 226 tpy | LCPH ATI 7240 / PTO 6968
EU326 | 226 tpy | LCPH ATI 7241 / PTO 6969

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

<table>
<thead>
<tr>
<th>EP</th>
<th>Pollutant</th>
<th>Compliance Methodology</th>
<th>Frequency</th>
<th>Test Run Time</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>305</td>
<td>VOC</td>
<td>Mass Balance</td>
<td>Monthly</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>306</td>
<td></td>
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<td>309</td>
<td></td>
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<tr>
<td>324</td>
<td>Propylene Glycol</td>
<td>Analysis</td>
<td>Biennial</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>325</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>326</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2 The amount of VOC emitted shall be tracked using a mass balance analysis based on ingredient flavors. When calculating VOC emissions from flavorings used at the facility, the facility will assume the following:
A. 100% of the ethyl alcohol (EA) content is emitted in the process
B. 100% of the propylene glycol (PG) content is retained in the product

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

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

A. 94,000 pounds per year usage of flavorings with a maximum ethyl alcohol content of 100% (60.01% - 100.00%). The owner or operator shall monitor and record the pounds used of flavorings with an EA content above 60% (60.01% - 100.00%).
B. 250,000 pounds per year usage of flavorings with a maximum ethyl alcohol content of 60% (25.01% - 60.00%). The owner or operator shall monitor and record the pounds used of flavorings with an EA content between 25% and 60% (25.01% - 60.00%).
C. 800,000 pounds per year usage of flavorings with a maximum ethyl alcohol content of 25% (1.01% - 25.00%). The owner or operator shall monitor and record the pounds used of flavorings with an EA content between 1% and 25% (1.01% - 25.00%).

D. 800,000 pounds per year usage of flavorings with a maximum ethyl alcohol content of 1% (0% - 1.00%). The owner or operator shall monitor and record the pounds used of flavorings with an EA content 1% or below (0 – 1.00%).

E. "Operating Requirements and Associated Recordkeeping" Conditions A through D shall be tracked, calculated, recorded, and applied to a 12-month rolling total.

F. The owner or operator may substitute, change or add any food grade ingredient to any of its manufacturing processes as necessary within the facility operating limits.

G. The owner or operator shall monitor and record VOC emissions associated to flavoring use for all VOC flavoring sources.

H. The owner or operator must keep records of the VOC content of each flavoring product.

I. The owner or operator must track once a calendar year the total use of propylene glycol.

J. To verify the ingredient inventory, the following will be required to be recorded:
   1. Inventory will be counted monthly
   2. Record flavoring usage on a monthly basis

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

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

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

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

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

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

Authority for Requirement: 567 IAC 23.3(2)"a".
**Fugitive Dust:** Attainment and Unclassified Areas - A person shall take reasonable precautions to prevent particulate matter from becoming airborne in quantities sufficient to cause a nuisance as defined in Iowa Code section 657.1 when the person allows, causes or permits any materials to be handled, transported or stored or a building, its appurtenances or a construction haul road to be used, constructed, altered, repaired or demolished, with the exception of farming operations or dust generated by ordinary travel on unpaved roads. Ordinary travel includes routine traffic and road maintenance activities such as scarifying, compacting, transporting road maintenance surfacing material, and scraping of the unpaved public road surface (the preceding sentence is State Only). All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate. The public highway authority shall be responsible for taking corrective action in those cases where said authority has received complaints of or has actual knowledge of dust conditions which require abatement pursuant to this subrule. Reasonable precautions may include, but not be limited to, the following procedures.

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

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

**Regulatory Authority**

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

Authority for Requirement: 567 IAC 22.108
III. Emission Point-Specific Conditions

Facility Name: GM Cereal Properties, Inc.
Permit Number: 04-TV-016R2

Emission Point ID Number: 1

Associated Equipment

Associated Emission Unit ID Numbers: EU001

Emission Unit vented through this Emission Point: EU001
Emission Unit Description: Boiler #1
Raw Material/Fuel: Natural Gas, Propane
Rated Capacity: 40 MMBtu/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 20%
Authority for Requirement: LCPH ATI 40B / PTO 4581R2
LCCO Sec. 10-60

Pollutant: PM-10
Emission Limit(s): 0.30 lb/hr
Authority for Requirement: LCPH ATI 40B / PTO 4581R2

Pollutant: Particulate Matter
Emission Limit(s): 0.30 lb/hr
Authority for Requirement: LCPH ATI 40B / PTO 4581R2

Pollutant: Particulate Matter
Emission Limit(s): 0.3 lb/MMBtu
Authority for Requirement: LCPH ATI 40B / PTO 4581R2
LCCO Sec. 10-61(b)(2)

Pollutant: Sulfur Dioxide (SO₂)
Emission Limit(s): 1.5 lbs/MMBTU (liquid fuel)
Authority for Requirement: LCPH ATI 40B / PTO 4581R2

Pollutant: Nitrogen Oxides (NOₓ)
Emission Limit(s): 235 tpy
Authority for Requirement: LCPH ATI 40B / PTO 4581R2
See Plant-Wide Conditions for Plant-Wide NOₓ limit.
Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

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

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

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

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

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

Opacity Monitoring
The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years.Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required.

If an opacity >20 % is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(14)

Yes ☐ No ☒

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

Authority for Requirement: 567 IAC 22.108(3)
**Emission Point ID Number:**  2

**Associated Equipment**

Associated Emission Unit ID Numbers: EU002

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

**Applicable Requirements**

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

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

- **Pollutant:** Opacity
  - Emission Limit(s): 20%
  - Authority for Requirement: LCPH ATI 40B / PTO 4582R2
  - LCCO Sec. 10-60

- **Pollutant:** PM-10
  - Emission Limit(s): 0.30 lb/hr
  - Authority for Requirement: LCPH ATI 40B / PTO 4582R2

- **Pollutant:** Particulate Matter
  - Emission Limit(s): 0.30 lb/hr,
  - Authority for Requirement: LCPH ATI 40B / PTO 4582R2

- **Pollutant:** Particulate Matter
  - Emission Limit(s): 0.3 lb/MMBtu
  - Authority for Requirement: LCCO Sec. 10-61(b)(2)

- **Pollutant:** Sulfur Dioxide (SO₂)
  - Emission Limit(s): 1.5 lbs/MMBTU (liquid fuel)
  - Authority for Requirement: LCPH ATI 40B / PTO 4582R2

- **Pollutant:** Nitrogen Oxide (NOₓ)
  - Emission Limit(s): 235 tpy
  - Authority for Requirement: LCPH ATI 40B / PTO 4582R2

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

**Operational Limits & Requirements**

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

See Plant-Wide Conditions section for Facility Operating Limits, Record keeping Requirements and Reporting Requirements that apply to this emission point.
**Emission Point Characteristics**
*This emission point shall conform to the specifications listed below.*

- Stack Height (ft, from ground): 78
- Discharge Style: Vertical, Obstructed
- Stack Opening (inches, diameter): 36
- Exhaust Temperature (°F): 450
- Exhaust Flowrate (scfm): 5,689

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

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

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

**Opacity Monitoring**
The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required.

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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)

**Associated Equipment**

<table>
<thead>
<tr>
<th>EP#</th>
<th>EU#</th>
<th>Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
<th>CE#</th>
<th>Control Equipment Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>102</td>
<td>102</td>
<td>Dryer</td>
<td>Finished Cereal</td>
<td>13.98 tons/hour</td>
<td>102</td>
<td>Scrubber – Ducon, Size 54 Model III; Type UW-3</td>
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<tr>
<td>103</td>
<td>103</td>
<td>Dryer</td>
<td>Finished Cereal</td>
<td>11.64 tons/hour</td>
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<td>104</td>
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<td>Cookers</td>
<td>Wet Dough</td>
<td>10.25 tons/hour</td>
<td>104</td>
<td>Scrubber – Ducon, Size 66 Model III; Type UW-3</td>
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<tr>
<td>107</td>
<td>107</td>
<td>Shaper</td>
<td>Wet Dough</td>
<td>3.6 tons/hour</td>
<td>107</td>
<td>Scrubber – Ducon, Size 48; Type UW-3</td>
</tr>
<tr>
<td>108</td>
<td>108</td>
<td>Shaper</td>
<td>Wet Dough</td>
<td>3.6 tons/hour</td>
<td>108</td>
<td>Scrubber – Ducon, Size 48; Type UW-3</td>
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<tr>
<td>109</td>
<td>109</td>
<td>Shaper</td>
<td>Wet Dough</td>
<td>3.6 tons/hour</td>
<td>109</td>
<td>Scrubber – Ducon, Size 42; Type UW-3</td>
</tr>
<tr>
<td>125</td>
<td>125</td>
<td>Product Mixers</td>
<td>Sweeteners</td>
<td>6.66 tons/hour</td>
<td>125</td>
<td>Scrubber – Clean Gas Systems, Size 24; Dynascrub 1</td>
</tr>
<tr>
<td>130</td>
<td>130</td>
<td>Dryer</td>
<td>Finished Cereal</td>
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<td>Scrubber – Ducon, Size 36-60-72 Model III; Type UW-3</td>
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<td>Wet Dough</td>
<td>7.2 tons/hour</td>
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<td>Scrubber – Ducon, Size 54; Type UW-3</td>
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<tr>
<td>135</td>
<td>135</td>
<td>Dryer</td>
<td>Wet Dough</td>
<td>3.6 tons/hour</td>
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<td>Scrubber – Ducon, Size 42; Type UW-3</td>
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<td>Dryer</td>
<td>Wet Dough</td>
<td>7.2 tons/hour</td>
<td>137</td>
<td>Scrubber – Clean Gas Systems, Dynascrub 1; Size 54</td>
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<tr>
<td>138</td>
<td>138</td>
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<td>Wet Dough</td>
<td>3.6 tons/hour</td>
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<td>Scrubber – Ducon, Size 30 Model III; Type UW-3</td>
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<td>138</td>
<td>Dryer</td>
<td>Wet Dough</td>
<td>3.6 tons/hour</td>
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<td>Scrubber – Ducon, Size 30 Model III; Type UW-3</td>
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<tr>
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<td>138</td>
<td>Dryer</td>
<td>Wet Dough</td>
<td>3.6 tons/hour</td>
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<td>Scrubber – Ducon, Size 30 Model III; Type UW-3</td>
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<td>Dryer</td>
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<td>Scrubber – Ducon, Size 42; Type UW-3</td>
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<tr>
<td>147</td>
<td>147</td>
<td>Dryer</td>
<td>Wet Dough</td>
<td>3.6 tons/hour</td>
<td>147</td>
<td>Scrubber – Ducon, Size 42; Type UW-3</td>
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<td>148</td>
<td>148</td>
<td>Liquid Mix</td>
<td>Sweeteners</td>
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<tr>
<td>152</td>
<td>152</td>
<td>Base Bin</td>
<td>In-Process Cereal</td>
<td>7.9 tons/hour</td>
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<tr>
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<td>Scrubber – Clean Gas Systems, Dynascrub 1; Size 29-66-29</td>
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<tr>
<td>168</td>
<td>168</td>
<td>Extraduct</td>
<td>Wet Dough</td>
<td>4.53 tons/hour</td>
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<tr>
<td>169</td>
<td>169</td>
<td>Pelletizer</td>
<td>Wet Dough</td>
<td>4.53 tons/hour</td>
<td>169</td>
<td>Scrubber – Ducon, Model III; Type UW-3</td>
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<tr>
<td>170</td>
<td>170</td>
<td>Dryer</td>
<td>Wet Dough</td>
<td>3.6 tons/hour</td>
<td>170</td>
<td>Scrubber – Ducon, Model III; Type UW-3</td>
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<tr>
<td>171</td>
<td>171</td>
<td>Preheater</td>
<td>Wet Dough</td>
<td>3.6 tons/hour</td>
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<td>Scrubber – Ducon, Model III; Type UW-3</td>
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<tr>
<td>171</td>
<td>171</td>
<td>Shaper</td>
<td>Wet Dough</td>
<td>3.6 tons/hour</td>
<td>171</td>
<td>Scrubber – Ducon, Model III; Type UW-3</td>
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<tr>
<td>171</td>
<td>171</td>
<td>Blower</td>
<td>Wet Dough</td>
<td>3.6 tons/hour</td>
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<td>Scrubber – Ducon, Model III; Type UW-3</td>
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<tr>
<td>173</td>
<td>173</td>
<td>Dryer</td>
<td>Wet Dough</td>
<td>3.54 tons/hour</td>
<td>173</td>
<td>Scrubber – Ducon, Model III; Type UW-3</td>
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<tr>
<td>174</td>
<td>174</td>
<td>Mix</td>
<td>Wet Dough</td>
<td>3.63 tons/hour</td>
<td>174</td>
<td>Scrubber – Ducon, Model III; Type UW-3</td>
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<tr>
<td>174</td>
<td>174</td>
<td>Slurry</td>
<td>Wet Dough</td>
<td>3.63 tons/hour</td>
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<td>Scrubber – Ducon, Model III; Type UW-3</td>
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<tr>
<td>174</td>
<td>174</td>
<td>Enrober</td>
<td>Wet Dough</td>
<td>3.63 tons/hour</td>
<td>174</td>
<td>Scrubber – Ducon, Model III; Type UW-3</td>
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<td>175</td>
<td>175</td>
<td>Dryer</td>
<td>Wet Dough</td>
<td>7.17 tons/hour</td>
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<td>176</td>
<td>176</td>
<td>Cooler</td>
<td>Wet Dough</td>
<td>6.42 tons/hour</td>
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<td>Scrubber – Ducon, Model III; Type UW-3</td>
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<tr>
<td>177</td>
<td>177</td>
<td>Dryer</td>
<td>Wet Dough</td>
<td>10.8 tons/hour</td>
<td>177</td>
<td>Scrubber – Ducon, Size 24; Type UW-3</td>
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<tr>
<td>177</td>
<td>177</td>
<td>Dryer</td>
<td>Wet Dough</td>
<td>10.8 tons/hour</td>
<td>177</td>
<td>Scrubber – Ducon, Size 24; Type UW-3</td>
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<tr>
<td>EP#</td>
<td>EU#</td>
<td>EU Description</td>
<td>Raw Material</td>
<td>Rated Capacity</td>
<td>CE#</td>
<td>Control Equipment Description</td>
</tr>
<tr>
<td>-----</td>
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<td>----------------</td>
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</tr>
<tr>
<td>177</td>
<td>C</td>
<td>Dryer</td>
<td></td>
<td>10.8 tons/hour</td>
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<tr>
<td>182</td>
<td>A</td>
<td>Cooker</td>
<td>Wet Dough</td>
<td>14.4 tons/hour</td>
<td>182</td>
<td>Scrubber – Ducon; Type UW-3</td>
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</table>

### Applicable Requirements

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

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

<table>
<thead>
<tr>
<th>EP</th>
<th>Pollutant</th>
<th>Emission Limit</th>
<th>Authority for Requirement</th>
<th>Authority for Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>102</td>
<td>Opacity</td>
<td>20%&lt;sup&gt;3,4&lt;/sup&gt;</td>
<td>LCCO Sec. 10-60(a)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PM</td>
<td>0.1 gr/dscf</td>
<td>567 IAC 23.4(7)</td>
<td>LCPH 4324 / 4520R3</td>
</tr>
<tr>
<td></td>
<td>PM/PM&lt;sub&gt;10&lt;/sub&gt;</td>
<td>0.68 lbs/hr&lt;sup&gt;1&lt;/sup&gt;</td>
<td>LCCO Sec. 10-62(a)(1)</td>
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</tr>
<tr>
<td>103</td>
<td>Opacity</td>
<td>20%&lt;sup&gt;3,4&lt;/sup&gt;</td>
<td>LCCO Sec. 10-60(a)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PM</td>
<td>0.1 gr/dscf</td>
<td>567 IAC 23.4(7)</td>
<td>LCPH 5826 / 5564R2</td>
</tr>
<tr>
<td></td>
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<td></td>
</tr>
<tr>
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<td>PM</td>
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<td>LCPH 4931 / 5023R3</td>
</tr>
<tr>
<td></td>
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<tr>
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<td>LCCO Sec. 10-60(a)</td>
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</tr>
<tr>
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<td>PM</td>
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<tr>
<td></td>
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<td>LCCO Sec. 10-60(a)</td>
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</tr>
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<td>PM</td>
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<tr>
<td></td>
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<td>PM</td>
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<tr>
<td></td>
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<sup>1</sup> PM<sub>10</sub>
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<th>Authority for Requirement</th>
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<td>PM</td>
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<td>LCPH 5374 / 5375R2</td>
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<tr>
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<td>LCCO Sec. 10-60(a)</td>
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</tr>
<tr>
<td></td>
<td>PM</td>
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<td>567 IAC 23.4(7)</td>
<td>LCPH 5141 / 5087R3</td>
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<tr>
<td></td>
<td>PM/PM&lt;sub&gt;10&lt;/sub&gt;</td>
<td>0.90 lbs/hr&lt;sup&gt;1&lt;/sup&gt;</td>
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<td>PM</td>
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<td>LCPH 5863 / 5772R2</td>
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<tr>
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<tr>
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<td>Opacity</td>
<td>20%&lt;sup&gt;3,4&lt;/sup&gt;</td>
<td>LCCO Sec. 10-60(a)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PM</td>
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<td>567 IAC 23.4(7)</td>
<td>LCPH 5864 / 5773R2</td>
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<tr>
<td></td>
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</tr>
<tr>
<td></td>
<td>PM</td>
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<td>567 IAC 23.4(7)</td>
<td>LCPH 5865 / 5774R3</td>
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<tr>
<td></td>
<td>PM/PM&lt;sub&gt;10&lt;/sub&gt;</td>
<td>0.46 lbs/hr&lt;sup&gt;1&lt;/sup&gt;</td>
<td>LCCO Sec. 10-62(a)(1)</td>
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<tr>
<td>171</td>
<td>Opacity</td>
<td>20%&lt;sup&gt;3,4&lt;/sup&gt;</td>
<td>LCCO Sec. 10-60(a)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PM</td>
<td>0.1 gr/dscf</td>
<td>567 IAC 23.4(7)</td>
<td>LCPH 6744 / 6530R2</td>
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<tr>
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<td>1.74 lbs/hr&lt;sup&gt;1&lt;/sup&gt;</td>
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<td>LCCO Sec. 10-60(a)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PM</td>
<td>0.1 gr/dscf</td>
<td>567 IAC 23.4(7)</td>
<td>LCPH 5868 / 5777</td>
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<td></td>
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<tr>
<td>174</td>
<td>Opacity</td>
<td>20%&lt;sup&gt;3,4&lt;/sup&gt;</td>
<td>LCCO Sec. 10-60(a)</td>
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</tr>
<tr>
<td></td>
<td>PM</td>
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<td>567 IAC 23.4(7)</td>
<td>LCPH 5869 / 5778</td>
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<tr>
<td></td>
<td>PM/PM&lt;sub&gt;10&lt;/sub&gt;</td>
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<td>LCCO Sec. 10-62(a)(1)</td>
<td></td>
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<tr>
<td>175</td>
<td>Opacity</td>
<td>20%&lt;sup&gt;3,4&lt;/sup&gt;</td>
<td>LCCO Sec. 10-60(a)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PM</td>
<td>0.1 gr/dscf</td>
<td>567 IAC 23.4(7)</td>
<td>LCPH 5870 / 5779</td>
</tr>
<tr>
<td></td>
<td>PM/PM&lt;sub&gt;10&lt;/sub&gt;</td>
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<td>LCCO Sec. 10-62(a)(1)</td>
<td></td>
</tr>
<tr>
<td>176</td>
<td>Opacity</td>
<td>20%&lt;sup&gt;3,4&lt;/sup&gt;</td>
<td>LCCO Sec. 10-60(a)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PM</td>
<td>0.1 gr/dscf</td>
<td>567 IAC 23.4(7)</td>
<td>LCPH 5871 / 5780</td>
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<tr>
<td></td>
<td>PM/PM&lt;sub&gt;10&lt;/sub&gt;</td>
<td>0.64 lbs/hr&lt;sup&gt;1&lt;/sup&gt;</td>
<td>LCCO Sec. 10-62(a)(1)</td>
<td></td>
</tr>
<tr>
<td>177</td>
<td>Opacity</td>
<td>20%&lt;sup&gt;3,4&lt;/sup&gt;</td>
<td>LCCO Sec. 10-60(a)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PM</td>
<td>0.1 gr/dscf</td>
<td>567 IAC 23.4(7)</td>
<td>LCPH 5948 / 5684</td>
</tr>
<tr>
<td></td>
<td>PM/PM&lt;sub&gt;10&lt;/sub&gt;</td>
<td>0.25 lbs/hr&lt;sup&gt;1&lt;/sup&gt;</td>
<td>LCCO Sec. 10-62(a)(1)</td>
<td></td>
</tr>
<tr>
<td>182</td>
<td>Opacity</td>
<td>20%&lt;sup&gt;3,4&lt;/sup&gt;</td>
<td>LCCO Sec. 10-60(a)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PM</td>
<td>0.1 gr/dscf</td>
<td>567 IAC 23.4(7)</td>
<td>LCPH 6743 / 6553R1</td>
</tr>
<tr>
<td></td>
<td>PM/PM&lt;sub&gt;10&lt;/sub&gt;</td>
<td>0.33 lbs/hr&lt;sup&gt;1&lt;/sup&gt;</td>
<td>LCCO Sec. 10-62(a)(1)</td>
<td></td>
</tr>
</tbody>
</table>

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

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

<sup>3</sup> The emission limit is based on a six (6) minute average.

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

---

**Note:**

1. The emission limit is expressed as the average of three (3) runs.
2. The emission limit is based on a twelve (12) month rolling total.
3. The emission limit is based on a six (6) minute average.
4. The observation of visible emissions of air contaminants as defined in LCCO Sec. 10-55 will require the owner/operator to promptly investigate the emission unit and make corrections to operations or
equipment associated with the visible emissions. If visible emissions continue after the corrections, Linn County may require additional proof to demonstrate compliance (e.g., stack testing).

**Operating Limits**

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

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

A. The owner or operator shall monitor and record 'no visible emissions' observations for each emission point included in the "List of Emission Units, Control Equipment, Emission Points, and Permits" table on a weekly basis. An exceedance of 'no visible emissions' will require the owner or operator to promptly investigate the emission unit(s), make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.

B. The control equipment associated with these emission units shall be maintained according to the manufacturer's specification and good operating practices. The owner or operator shall record the date and description of all maintenance completed on the control device.

C. The water flow to the scrubbers listed in this permit shall be maintained at a minimum of the limit listed in table below at all times while the unit is in operation. The owner or operator shall monitor and record the water flow to the scrubbers on a daily basis. An audible alarm system for the scrubbers may be operated in lieu of daily logging of the water flow rate to the scrubber, provided the low-level alarm set point is at least the minimum scrubber flow rates listed in the tables below.

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

<table>
<thead>
<tr>
<th>EP</th>
<th>Minimum Scrubber Water Flow Rates (gallons per minute)</th>
</tr>
</thead>
<tbody>
<tr>
<td>137</td>
<td>8</td>
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<tr>
<td>138</td>
<td>5</td>
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<tr>
<td>145</td>
<td>11.7</td>
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<td>146</td>
<td>11.7</td>
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<td>147</td>
<td>11.7</td>
</tr>
<tr>
<td>148</td>
<td>1.8</td>
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<tr>
<td>152</td>
<td>1.3</td>
</tr>
<tr>
<td>161</td>
<td>Zone #1 (East) – 3 Zone #2 (West) - 3</td>
</tr>
<tr>
<td>168</td>
<td>5</td>
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<tr>
<td>169</td>
<td>1.6</td>
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<table>
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<tr>
<th>EP</th>
<th>Minimum Scrubber Water Flow Rates (gallons per minute)</th>
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</thead>
<tbody>
<tr>
<td>170</td>
<td>6</td>
</tr>
<tr>
<td>171A</td>
<td>4</td>
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<tr>
<td>171B</td>
<td>12</td>
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<tr>
<td>173</td>
<td>3.5</td>
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<tr>
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<td>2.3</td>
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<tr>
<td>175</td>
<td>5</td>
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<tr>
<td>176</td>
<td>8</td>
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<tr>
<td>177</td>
<td>3.1</td>
</tr>
<tr>
<td>182</td>
<td>5</td>
</tr>
</tbody>
</table>
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.


Authority for Requirement: LCPH 4324 / 4520R3; LCPH 5826 / 5564R2; LCPH 4931/ 5023R3; LCPH 6930 / 6701R1; LCPH 6931 / 6702R1; LCPH 6887 / 6703R1; LCPH 6888 / 6704R1; LCPH 6932 / 6699R1; LCPH 6889 / 6697R1; LCPH 4329 / 4523R2; LCPH 5827 / 5565R2; LCPH 5719 / 5961R2; LCPH 5721 / 5963R2; LCPH 5700 / 5965R2; LCPH 5947 /5683R2; LCPH 5374 / 5375R2; LCPH 5141 / 5087R3; LCPH 5863 / 5772R2; LCPH 5864 / 5773R2; LCPH 5865 / 5774R3; LCPH 6744 / 6530R2; LCPH 5868 /5777; LCPH 5870 / 5778; LCPH5870 / 5779; LCPH 5871 / 5780; LCPH 5948 / 5684; LCPH 6743 / 6553R1

Emission Point Characteristics
These emission points shall conform to the specifications listed below:

<table>
<thead>
<tr>
<th>EP ID</th>
<th>Stack Height (Feet from the ground)</th>
<th>Discharge Style</th>
<th>Stack Outlet Dimensions (inches)</th>
<th>Exhaust Temperature (°F)</th>
<th>Exhaust Flowrate (SCFM)</th>
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<tbody>
<tr>
<td>102</td>
<td>73</td>
<td>Vertical, unobstructed</td>
<td>30</td>
<td>125</td>
<td>7,872</td>
</tr>
<tr>
<td>103</td>
<td>80</td>
<td>Vertical, unobstructed</td>
<td>32</td>
<td>94</td>
<td>11,047</td>
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<tr>
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<td>80</td>
<td>Vertical, unobstructed</td>
<td>34</td>
<td>190</td>
<td>10,410</td>
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<tr>
<td>107</td>
<td>94</td>
<td>Vertical, unobstructed</td>
<td>24</td>
<td>150</td>
<td>6,516</td>
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<tr>
<td>108</td>
<td>95</td>
<td>Vertical, unobstructed</td>
<td>24</td>
<td>150</td>
<td>6,200</td>
</tr>
<tr>
<td>109</td>
<td>96</td>
<td>Vertical, unobstructed</td>
<td>24</td>
<td>150</td>
<td>6,200</td>
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<tr>
<td>125</td>
<td>72</td>
<td>Vertical, unobstructed</td>
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<td>90</td>
<td>1,500</td>
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<td>87</td>
<td>Vertical, unobstructed</td>
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<td>105</td>
<td>15,209</td>
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<tr>
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<td>67</td>
<td>Vertical, unobstructed</td>
<td>36</td>
<td>150</td>
<td>7,348</td>
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<tr>
<td>135</td>
<td>96</td>
<td>Vertical, unobstructed</td>
<td>24</td>
<td>150</td>
<td>6,200</td>
</tr>
<tr>
<td>137</td>
<td>97</td>
<td>Vertical, unobstructed</td>
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<td>150</td>
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<tr>
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<td>97</td>
<td>Vertical, unobstructed</td>
<td>23</td>
<td>150</td>
<td>3,000</td>
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<tr>
<td>145</td>
<td>98</td>
<td>Vertical, unobstructed</td>
<td>24</td>
<td>150</td>
<td>6,200</td>
</tr>
<tr>
<td>146</td>
<td>96</td>
<td>Vertical, unobstructed</td>
<td>24</td>
<td>150</td>
<td>6,200</td>
</tr>
<tr>
<td>147</td>
<td>96</td>
<td>Vertical, unobstructed</td>
<td>24</td>
<td>150</td>
<td>6,200</td>
</tr>
<tr>
<td>148</td>
<td>80</td>
<td>Vertical, unobstructed</td>
<td>14</td>
<td>115</td>
<td>1,376</td>
</tr>
<tr>
<td>152</td>
<td>72</td>
<td>Vertical, unobstructed</td>
<td>14</td>
<td>105</td>
<td>800</td>
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<tr>
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<td>16</td>
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<td>70</td>
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<tr>
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<td>83</td>
<td>Vertical, unobstructed</td>
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<td>150</td>
<td>6,752</td>
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<tr>
<td>EP ID</td>
<td>Stack Height (Feet from the ground)</td>
<td>Discharge Style</td>
<td>Stack Outlet Dimensions (inches)</td>
<td>Exhaust Temperature (°F)</td>
<td>Exhaust Flowrate (SCFM)</td>
</tr>
<tr>
<td>-------</td>
<td>------------------------------------</td>
<td>----------------</td>
<td>----------------------------------</td>
<td>--------------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>173</td>
<td>83.7</td>
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<td>14</td>
<td>230</td>
<td>1,536</td>
</tr>
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<td>174</td>
<td>88</td>
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<td>8</td>
<td>100</td>
<td>1,136</td>
</tr>
<tr>
<td>175</td>
<td>93</td>
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<td>24</td>
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<td>Vertical, unobstructed</td>
<td>36</td>
<td>126</td>
<td>9,497</td>
</tr>
</tbody>
</table>

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

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

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

**Opacity Monitoring**
The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years.Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required.

If an opacity >20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(14)
Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

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

Facility O&M Applicability by Emission Point

<table>
<thead>
<tr>
<th>EP</th>
<th>EU</th>
<th>Source Description</th>
<th>Pollutant(s) &gt; Significance Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>102</td>
<td>102</td>
<td>Dryer</td>
<td>PM&lt;sub&gt;10&lt;/sub&gt;</td>
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<tr>
<td>107</td>
<td>107, 177A</td>
<td>Shaper, Dryer</td>
<td>PM&lt;sub&gt;10&lt;/sub&gt;</td>
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<tr>
<td>108</td>
<td>108, 177B</td>
<td>Shaper, Dryer</td>
<td>PM&lt;sub&gt;10&lt;/sub&gt;</td>
</tr>
<tr>
<td>109</td>
<td>109, 138A</td>
<td>Shaper, Dryer</td>
<td>PM, PM&lt;sub&gt;10&lt;/sub&gt;</td>
</tr>
<tr>
<td>135</td>
<td>135, 138B</td>
<td>Shaper, Dryer</td>
<td>PM, PM&lt;sub&gt;10&lt;/sub&gt;</td>
</tr>
<tr>
<td>145</td>
<td>145, 177C</td>
<td>Shaper, Dryer</td>
<td>PM&lt;sub&gt;10&lt;/sub&gt;</td>
</tr>
<tr>
<td>146</td>
<td>146, 138C</td>
<td>Shaper, Dryer</td>
<td>PM, PM&lt;sub&gt;10&lt;/sub&gt;</td>
</tr>
<tr>
<td>147</td>
<td>147, 138D</td>
<td>Shaper, Dryer</td>
<td>PM, PM&lt;sub&gt;10&lt;/sub&gt;</td>
</tr>
<tr>
<td>171</td>
<td>171</td>
<td>Preheater</td>
<td>PM, PM&lt;sub&gt;10&lt;/sub&gt;</td>
</tr>
</tbody>
</table>

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)
**Emission Point ID Number:** 105

**Associated Equipment**

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

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

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**Applicable Requirements**

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

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

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

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

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

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**Operational Limits & Requirements**

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

**Control Device**

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

Authority for Requirement: LCPH ATI 6228 / PTO 6006
Operating Limits
The owner or operator of this equipment shall comply with the operational limits and requirements listed below:

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

Authority for Requirement: LCPH ATI 6228 / PTO 6006

Operating Condition Monitoring and Recordkeeping
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. Records shall be legible and maintained in an orderly manner. These records shall show the following:

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

Authority for Requirement: LCPH ATI 6228 / PTO 6006

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

Stack Height (feet from ground): 64
Discharge Style: Vertical, unobstructed
Stack Opening (inches in diameter): 4
Exhaust Temperature (°F): 105
Exhaust Flowrate (scfm): 1,683

Authority for Requirement: LCPH ATI 6228 / PTO 6006

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.
**Monitoring Requirements**  
*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

**Opacity Monitoring**  
The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required.

If an opacity >20 % is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(14)

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

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

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

Authority for Requirement: 567 IAC 22.108(3)
### Associated Equipment

<table>
<thead>
<tr>
<th>EP</th>
<th>EU</th>
<th>EU Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>132</td>
<td>A</td>
<td>Preheater</td>
<td>Natural Gas</td>
<td>1.5 MMBtu/hr</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>Preheater</td>
<td>Propane</td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>A</td>
<td>Preheater</td>
<td>Natural Gas</td>
<td>1.5 MMBtu/hr</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>Preheater</td>
<td>Propane</td>
<td></td>
</tr>
<tr>
<td>151</td>
<td>A</td>
<td>Preheater</td>
<td>Natural Gas</td>
<td>1.5 MMBtu/hr</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>Preheater</td>
<td>Propane</td>
<td></td>
</tr>
<tr>
<td>164</td>
<td>A</td>
<td>Preheater</td>
<td>Natural Gas</td>
<td></td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>Preheater</td>
<td>Propane</td>
<td>0.9 MMBtu/hr</td>
</tr>
<tr>
<td>172</td>
<td>A</td>
<td>Heater</td>
<td>Natural Gas</td>
<td>1.5 MMBtu/hr</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>Heater</td>
<td>Propane</td>
<td></td>
</tr>
<tr>
<td>178</td>
<td>A</td>
<td>Water Heater</td>
<td>Natural Gas</td>
<td>18 MMBtu/hr</td>
</tr>
<tr>
<td></td>
<td>B</td>
<td>Water Heater</td>
<td>Propane</td>
<td></td>
</tr>
</tbody>
</table>

### Applicable Requirements

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

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

<table>
<thead>
<tr>
<th>EP</th>
<th>Pollutant</th>
<th>Emission Limit(s)</th>
<th>Authority for Requirement (ATI/PTO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>PM</td>
<td>0.6 lbs/MMBtu</td>
<td>5818 / 5566R1 6179 / 5940 6621 / 6458</td>
</tr>
<tr>
<td>151</td>
<td>SO2</td>
<td>1.5 lbs/MMBtu</td>
<td>5867 / 5776R1 5979 / 5781</td>
</tr>
<tr>
<td>164</td>
<td>SO2</td>
<td>500 ppmv</td>
<td>5818 / 5566R1 6179 / 5940 6621 / 6458</td>
</tr>
<tr>
<td>172</td>
<td>Opacity</td>
<td>20%</td>
<td>6178 / 5939</td>
</tr>
<tr>
<td></td>
<td>SO2</td>
<td></td>
<td>5818 / 5566R1 6179 / 5940 6621 / 6458 5819 / 5567R1 5867 / 5776R1 5979 / 5781 6736 / 6380</td>
</tr>
<tr>
<td>178</td>
<td>NOx</td>
<td>235 tpy Facility NOx Bubble Limit</td>
<td>567 IAC 23.4(3)&quot;a&quot;</td>
</tr>
<tr>
<td>172</td>
<td>PM/PM10</td>
<td>0.007 lbs/hr</td>
<td>6178 / 5939</td>
</tr>
<tr>
<td>178</td>
<td>PM/PM10</td>
<td>0.007 lbs/hr</td>
<td>6178 / 5939</td>
</tr>
<tr>
<td>132</td>
<td>PM/PM10</td>
<td>0.05 lbs/hr</td>
<td>5818 / 5566R1 6179 / 5940</td>
</tr>
<tr>
<td>151</td>
<td>PM</td>
<td>0.1 gr/scf</td>
<td>6178 / 5939</td>
</tr>
<tr>
<td>150</td>
<td>PM/PM10</td>
<td>0.05 lbs/hr</td>
<td>5818 / 5566R1 6179 / 5940</td>
</tr>
<tr>
<td>EP</td>
<td>Pollutant</td>
<td>Emission Limit(s)</td>
<td>Authority for Requirement (ATI/PTO)</td>
</tr>
<tr>
<td>----</td>
<td>------------</td>
<td>---------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>150</td>
<td>SO2</td>
<td>0.01 lbs/hr</td>
<td>5818 / 5566R1</td>
</tr>
<tr>
<td>164</td>
<td>PM/PM10</td>
<td>0.03 lbs/hr</td>
<td>6621 / 6458</td>
</tr>
<tr>
<td>164</td>
<td>SO2</td>
<td>0.01 lbs/hr</td>
<td>6621 / 6458</td>
</tr>
<tr>
<td>172</td>
<td>PM/PM10</td>
<td>0.01 lbs/hr</td>
<td>5867 / 5776R1</td>
</tr>
<tr>
<td>178</td>
<td>PM/PM10</td>
<td>0.79 lbs/hr</td>
<td>5979 / 5781</td>
</tr>
</tbody>
</table>

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

**Operational Limits & Requirements**

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

**Operating Limits**

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

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

**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:

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

<table>
<thead>
<tr>
<th>EP</th>
<th>Requirement</th>
<th>Authority for Requirement (ATI/PTO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>151</td>
<td>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.</td>
<td>6179 / 5940 6621 / 6458 5867 / 5776R1 5979 / 5781</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>EP</th>
<th>Requirement</th>
<th>Authority for Requirement (ATI/PTO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>132</td>
<td>Refer to [Plant-Wide Conditions], Facility NOx Bubble Permit Requirements</td>
<td>6178 / 5939 5818 / 5566R1 6179 / 5940 5867 / 5776R1 5979 / 5781</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>EP</th>
<th>LCPH ATI/PTO</th>
<th>Stack Height (feet, above ground)</th>
<th>Discharge Style</th>
<th>Stack Opening (inches, dia.)</th>
<th>Exhaust Temperature (°F)</th>
<th>Exhaust Flowrate (scfm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>132</td>
<td>6178/5939</td>
<td>83</td>
<td>Vertical, unobstructed</td>
<td>10</td>
<td>450</td>
<td>99</td>
</tr>
<tr>
<td>150</td>
<td>5818/5566R1</td>
<td>84</td>
<td>Vertical, unobstructed</td>
<td>8</td>
<td>450</td>
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<td>Vertical, unobstructed</td>
<td>36</td>
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The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.
Opacity Monitoring
The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required.

If an opacity >20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(14)

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

Authority for Requirement: 567 IAC 22.108(3)
**Emission Point ID Number: 139**

Associated Equipment

Associated Emission Unit ID Numbers: EU139A, EU139B

Emission Unit vented through this Emission Point: EU139A, EU139B
Emission Unit Description: Gas Fired Preheater
Raw Material/Fuel: Natural Gas, Propane
Rated Capacity: 0.80 MMBtu/hr

**Applicable Requirements**

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

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

Pollutant: Opacity
Emission Limit(s): 20%
Authority for Requirement: LCPH ATI 2317 / PTO 4601R2
LCCO Sec. 10-60

Pollutant: PM-10
Emission Limit(s): 0.007 lb/hr,
Authority for Requirement: LCPH ATI 2317 / PTO 4601R2

Pollutant: Particulate Matter
Emission Limit(s): 0.007 lb/hr, 0.6 lbs/MMBtu
Authority for Requirement: LCPH ATI 2317 / PTO 4601R2
567 IAC 23.3(2)"b"
LCCO Sec. 10-61(b)(2)

Pollutant: Sulfur Dioxide (SO2)
Emission Limit(s): 0.0007 lb/hr 1.5 lbs/MMBTU, 500 ppmv
Authority for Requirement: LCPH ATI 2317 / PTO 4601R2
567 IAC 23.3(3)"e"
LCCO Sec. 10-65(1)(b)
LCCO Sec. 10-65(2)

Pollutant: Nitrogen Oxides (NOx)
Emission Limit(s): 235 tpy
Authority for Requirement: LCPH ATI 2317 / PTO 4601R2
See Plant-Wide Conditions for Plant-Wide NOx limit.

**Operational Limits & Requirements**

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

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

Operating Condition Monitoring and Recordkeeping:
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. Records shall be legible and maintained in an orderly manner. These records shall show the following:

A. Refer to [Plant-Wide Conditions], Facility Bubble Permit Requirements
B. The owner or operator shall monitor and record ‘no visible emissions’ observations on a weekly basis. An exceedance of ‘no visible emissions’ will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
Authority for Requirement: LCPH ATI 2317 / PTO 4601R2

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

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

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

Stack Height (ft, from ground): 98
Discharge Style: Vertical, Unobstructed
Stack Opening (inches, diameter): 10
Exhaust Temperature (°F): 450
Exhaust Flowrate (scfm): 99
Authority for Requirement: LCPH ATI 2317 / PTO 4601R2

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.
**Monitoring Requirements**
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

**Opacity Monitoring**
The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required.

If an opacity >20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(14)

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<tr>
<th>Requirement</th>
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<td><strong>Agency Approved Operation &amp; Maintenance Plan</strong></td>
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<td><strong>Facility Maintained Operation &amp; Maintenance Plan</strong></td>
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<td><strong>Compliance Assurance Monitoring (CAM) Plan Required?</strong></td>
<td>Yes</td>
<td>No</td>
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Authority for Requirement: 567 IAC 22.108(3)
**Emission Point ID Number:** 140

**Associated Equipment**

Associated Emission Unit ID Numbers: EU140A, EU140B

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Emission Unit vented through this Emission Point: EU140A, EU140B
Emission Unit Description: Gas-Fired Preheater
Raw Material/Fuel: Natural Gas, Propane
Rated Capacity: 0.80 MMBtu/hr

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**Applicable Requirements**

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

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

- **Pollutant:** Opacity
  - Emission Limit(s): 20%
  - Authority for Requirement: LCPH ATI 2316 / PTO 4602R1
  - LCCO Sec. 10-60

- **Pollutant:** PM-10
  - Emission Limit(s): 0.007 lb/hr
  - Authority for Requirement: LCPH ATI 2316 / PTO 4602R1

- **Pollutant:** Particulate Matter
  - Emission Limit(s): 0.007 lb/hr, 0.6 lbs/MMBTU
  - Authority for Requirement: LCPH ATI 2316 / PTO 4602R1
    - 567 IAC 23.3(2)"b"
    - LCCO Sec. 10-61(b)(2)

- **Pollutant:** Sulfur Dioxide (SO2)
  - Emission Limit(s): 0.0007 lb/hr, 1.5 lbs/MMBTU, 500 ppmv
  - Authority for Requirement: LCPH ATI 2316 / PTO 4602R1
    - 567 IAC 23.3(3)"e"
    - LCCO Sec. 10-65(1)(b)
    - LCCO Sec. 10-65(2)

- **Pollutant:** Nitrogen Oxides (NOx)
  - Emission Limit(s): 235 tpy
  - Authority for Requirement: LCPH ATI 2316 / PTO 4602R1
    - See Plant-Wide Conditions for Plant-Wide NOx limit.

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**Operational Limits & Requirements**

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

See Plant-Wide Conditions section for Facility Operating Limits, Recordkeeping Requirements and Reporting Requirements that apply to this emission point.
Operating Limits
The owner or operator of this equipment shall comply with the operational limits and requirements listed below:

A. Refer to [Plant-Wide Conditions], Facility Bubble Permit Requirements
Authority for Requirement: LCPH ATI 2316 / PTO 4602R1

Operating Condition Monitoring and Recordkeeping:
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. Records shall be legible and maintained in an orderly manner. These records shall show the following:

A. Refer to [Plant-Wide Conditions], Facility Bubble Permit Requirements
B. The owner or operator shall monitor and record ‘no visible emissions’ observation on a weekly basis. An exceedance of ‘no visible emissions’ will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
Authority for Requirement: LCPH ATI 2316 / PTO 4602R1

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

A. Refer to [Plant-Wide Conditions], Facility Bubble Permit Requirements
Authority for Requirement: LCPH ATI 2316 / PTO 4602R1

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

Stack Height (ft, from ground): 98
Discharge Style: Vertical, Obstructed
Stack Opening (inches, diameter): 10
Exhaust Temperature (°F): 450
Exhaust Flowrate (scfm): 99
Authority for Requirement: LCPH ATI 2316 / PTO 4602R1

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.
Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Opacity Monitoring
The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required.

If an opacity >20 % is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(14)

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

Authority for Requirement: 567 IAC 22.108(3)
**Emission Point ID Number:** 141

**Associated Equipment**

Associated Emission Unit ID Numbers: EU141A, EU141B

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**Emission Unit vented through this Emission Point:** EU141A, EU141B  
**Emission Unit Description:** Gas-Fired Preheater  
**Raw Material/Fuel:** Natural Gas, Propane  
**Rated Capacity:** 0.80 MMBtu/hr

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**Applicable Requirements**

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**  
*The emissions from this emission point shall not exceed the levels specified below.*

**Pollutant:** Opacity  
**Emission Limit(s):** 20%  
**Authority for Requirement:** LCPH ATI 2324 / PTO 4603R2  
LCCO Sec. 10-60

**Pollutant:** PM-10  
**Emission Limit(s):** 0.007 lb/hr  
**Authority for Requirement:** LCPH ATI 2324 / PTO 4603R2

**Pollutant:** Particulate Matter  
**Emission Limit(s):** 0.007 lb/hr, 0.6 lbs/MMBTU  
**Authority for Requirement:** LCPH ATI 2324 / PTO 4603R2  
567 IAC 23.3(2)"b"

**Pollutant:** Sulfur Dioxide (SO₂)  
**Emission Limit(s):** 0.0007 lb/hr, 1.5 lbs/MMBTU, 500 ppmv  
**Authority for Requirement:** LCPH ATI 2324 / PTO 4603R2  
567 IAC 23.3(3)"e"

**Pollutant:** Nitrogen Oxides (NOₓ)  
**Emission Limit(s):** 235 tpy  
**Authority for Requirement:** LCPH ATI 2324 / PTO 4603R2  
See Plant-Wide Conditions for Plant-Wide NOₓ limit.

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

See Plant-Wide Conditions section for Facility Operating Limits, Record keeping Requirements and Reporting Requirements that apply to this emission point.
Operating Limits
The owner or operator of this equipment shall comply with the operational limits and requirements listed below:

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

Operating Condition Monitoring and Recordkeeping
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. Records shall be legible and maintained in an orderly manner. These records shall show the following:

A. Refer to [Plant-Wide Conditions], Facility Bubble Permit Requirements
B. The owner or operator shall monitor and record ‘no visible emissions’ observations on a weekly basis. An exceedance of ‘no visible emissions’ will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
Authority for Requirement: LCPH ATI 2324 / PTO 4603R2

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

Stack Height (ft, from ground): 98
Discharge Style: Vertical, Obstructed
Stack Opening (inches, diameter): 10
Exhaust Temperature (°F): 450
Exhaust Flowrate (scfm): 99
Authority for Requirement: LCPH ATI 2324 / PTO 4603R2

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

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

Opacity Monitoring
The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required.
If an opacity >20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(14)

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

Authority for Requirement: 567 IAC 22.108(3)
**Emission Point ID Number: 159**

**Associated Equipment**

Associated Emission Unit ID Numbers: EU159

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**Emission Unit vented through this Emission Point:** EU159  
**Emission Unit Description:** Propane Gas Feeder Vaporizer  
**Raw Material/Fuel:** Propane  
**Rated Capacity:** 2.52 MMBtu/hr

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**Applicable Requirements**

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

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

**Pollutant:** Opacity  
**Emission Limit(s):** 20%  
**Authority for Requirement:** LCPH ATI 6633 / PTO 6470  
LCCO Sec. 10-60

**Pollutant:** Particulate Matter  
**Emission Limit(s):** 0.6 lb/MMBtu  
**Authority for Requirement:** LCPH ATI 6633 / PTO 6470  
567 IAC 23.3(2)"b"  
LCCO Sec. 10-61(b)(2)

**Pollutant:** Sulfur Dioxide (SO₂)  
**Emission Limit(s):** 1.5 lb/MMBtu, 500 ppmv  
**Authority for Requirement:** LCPH ATI 6633 / PTO 6470  
LCCO Sec. 10-65(1)(b)  
567 IAC 23.3(3)"e"

**Pollutant:** Nitrogen Oxide (NOₓ)  
**Emission Limit(s):** 235 tpy  
**Authority for Requirement:** LCPH ATI 6633 / PTO 6470  
See Plant-Wide Conditions for Plant-Wide NOₓ limit.

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**Operational Limits & Requirements**

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

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

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

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

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

**Monitoring Requirements**

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

**Opacity Monitoring**

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

If an opacity >20 % is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(14)

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

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

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

Authority for Requirement: 567 IAC 22.108(3)
**Emission Point ID Number: 160**

**Associated Equipment**

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

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

**Applicable Requirements**

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**  
*The emissions from this emission point shall not exceed the levels specified below.*

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

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

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

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

**Control Device**  
A baghouse shall be installed to control particulate matter emissions. The control equipment shall be maintained on this source in a good operating condition at all times the air pollution source is in operation. All appropriate probes and gauges needed to measure the parameters outlined in "Record keeping Requirements" shall be installed and maintained in a good operating condition.  
Authority for Requirement: LCPH ATI 6233 / PTO 6007R1
Operating Limits
The owner or operator of this equipment shall comply with the operational limits and requirements listed below:

A. Beginning no later than November 11, 2012, the differential pressure measured across the baghouse, CE 160, shall be maintained between 0.1 inches of water and 8 inches of water column with the exception of unit startup.

B. The control equipment on this unit shall be maintained according to the manufacturer’s specification and good operating practices.

Authority for Requirement: LCPH ATI 6233 / PTO 6007R1

Operating Condition Monitoring and Recordkeeping
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. Records shall be legible and maintained in an orderly manner. These records shall show the following:

A. The owner or operator shall monitor and record ‘no visible emissions’ observations on a weekly basis. An exceedance of ‘no visible emissions’ will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.

B. Beginning no later than November 11, 2012, monitor and record the differential pressure on the baghouse on a weekly basis while the control equipment and emission unit are in operation.

C. Monitor and record any maintenance and repair completed on the control equipment.

Authority for Requirement: LCPH ATI 6233 / PTO 6007R1

Emission Point Characteristics
This emission point shall conform to the conditions listed below.

Stack Height (feet, from ground): 55
Discharge Style: Vertical, Unobstructed
Stack Opening (inches, diameter): 4
Exhaust Temperature (°F): 100
Exhaust Flowrate (scfm): 500

Authority for Requirement: LCPH ATI 6233 / PTO 6007R1

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

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

**Opacity Monitoring**

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

If an opacity >20 % is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(14)

**Agency Approved Operation & Maintenance Plan Required?**

Yes [ ] No [x]

**Facility Maintained Operation & Maintenance Plan Required?**

Yes [ ] No [x]

**Compliance Assurance Monitoring (CAM) Plan Required?**

Yes [x] No [ ]

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: 162

Associated Equipment

Associated Emission Unit ID Numbers: EU162

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

Applicable Requirements

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

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

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

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

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

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

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

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

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ
Operational Limits & Requirements

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

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

Operating Limits

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

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

Authority for Requirement: LCPH ATI 6234 / PTO 6008

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. Records shall be legible and maintained in an orderly manner. These records shall show the following:

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

Authority for Requirement: LCPH ATI 6234 / PTO 6008

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (ft, from ground): 66
Discharge Style: Vertical, unobstructing rain cap
Stack Opening (inches in diameter): 12
Exhaust Temperature (°F): 981
Exhaust Flowrate (scfm): 6,381

Authority for Requirement: LCPH ATI 6234 / PTO 6008

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.
Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Stack Testing
The following stack tests shall be performed:

**EP 162**
Pollutant – CO
Stack test to be completed in accordance with §63.6620
Test Method – 40 CFR 60, Appendix A, Method 10
Authority for Requirement: LCPH ATI 6234 / PTO 6008

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

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: 166

Associated Equipment

Associated Emission Unit ID Numbers: EU166A, EU166B

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

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

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

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

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

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

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

Pollutant: Nitrogen Oxide (NOx)
Emission Limit(s): 235 tpy
Authority for Requirement: LCPH ATI 6236 / PTO 6010
See Plant-Wide Conditions for Plant-Wide NOx limit.
This equipment is subject to the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE NESHAP) [40 CFR Part 63 Subpart ZZZZ].

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ

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

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

Operation and Maintenance Requirements 40 CFR 63.6603, 63.6625, 63.6640 and Tables 2d and 6 to Subpart ZZZZ
1. Change oil and filter every 500 hours of operation or annually, whichever comes first. (See 63.6625(j) for the oil analysis option to extend time frame of requirements.)
2. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary.
3. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
4. Operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
5. Install a non-resettable hour meter if one is not already installed.
6. Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

Operating Limits 40 CFR 63.6640(f)
1. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations (up to) 50 hours per year is prohibited.
2. There is no time limit on the use of emergency stationary RICE in emergency situations.
3. You may operate your emergency stationary RICE up to 100 combined hours per calendar year for maintenance checks and readiness testing. See 40 CFR 63.6640(f)(2) for additional information and restrictions.
4. You may operate your emergency stationary RICE up to 50 hours per calendar year for non-emergency situations, but those 50 hours are counted toward the 100 hours of maintenance and testing. Except as provided in 40 CFR 63.6640(f)(4)(i) and (ii), the 50 hours per year for non-emergency situations cannot be used for peak shaving, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.
Recordkeeping Requirements 40 CFR 63.6655
1. Keep records of the maintenance conducted on the stationary RICE.
2. Keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. Document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. See 40 CFR 63.6655(f) for additional information.

Notification and Reporting Requirements 40 CFR 63.6645, 63.6650 and Table 2d to Subpart ZZZZ
1. An initial notification is not required per 40 CFR 63.6645(a)(5).
2. A report may be required for failure to perform the work practice requirements on the schedule required in Table 2d. (See Footnote 2 of Table 2d for more information.)

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

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below:

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

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

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

Authority for Requirement: LCPH ATI 6236 / PTO 6010

Operating Condition Monitoring and Recordkeeping
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. Records shall be legible and maintained in an orderly manner. These records shall show the following:

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

Authority for Requirement: LCPH ATI 6236 / PTO 6010
Emission Point Characteristics
This emission point shall conform to the specifications listed below.

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)
**Emission Point ID Number: 167**

**Associated Equipment**

Associated Emission Unit ID Numbers: EU167

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**Emission Unit vented through this Emission Point: EU167**

**Emission Unit Description:** Standby Generator

**Raw Material/Fuel:** Diesel Fuel

**Rated Capacity:** 58.9 gallon/hr

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**Applicable Requirements**

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

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

- **Pollutant:** Opacity
  - **Emission Limit(s):** 20%
  - **Authority for Requirement:** LCPH ATI 6237 / PTO 6011
  - LCCO Sec. 10-60

- **Pollutant:** Particulate Matter
  - **Emission Limit(s):** 0.54 g/KW-hr
  - **Authority for Requirement:** LCPH ATI 6237 / PTO 6011
  - 40 CFR §60.4204(a)

- **Pollutant:** Particulate Matter
  - **Emission Limit(s):** 0.6 lb/MMBtu
  - **Authority for Requirement:** LCPH ATI 6237 / PTO 6011
  - 567 IAC 23.3(2)"b"
  - LCCO Sec. 10-61(b)(2)

- **Pollutant:** Sulfur Dioxide (SO₂)
  - **Emission Limit(s):** 1.5 lbs/MMBtu
  - **Authority for Requirement:** LCPH ATI 6237 / PTO 6011
  - LCCO Sec. 10-65(1)(b)

- **Pollutant:** Sulfur Dioxide (SO₂)
  - **Emission Limit(s):** 15 ppmv
  - **Authority for Requirement:** LCPH ATI 6237 / PTO 6011
  - 40 CFR §60.4207(b)

- **Pollutant:** Nitrogen Oxides (NOₓ)
  - **Emission Limit(s):** 235 tpy
  - **Authority for Requirement:** LCPH ATI 6237 / PTO 6011
  - See Plant-Wide Conditions for Plant-Wide NOₓ limit.
Pollutant: Nitrogen Oxides (NOx)
Emission Limit(s): 9.2 g/KW-hr
Authority for Requirement: LCPH ATI 6237 / PTO 6011
40 CFR §60.4204(a)

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

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

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

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

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

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

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

A. This source shall be limited to 1000 hours of operation per year based on a 12-month rolling total.
B. Fuel use shall be limited to #1 or #2 grade diesel fuel only.
C. The owner or operator shall meet the applicable General Provisions requirements of 40 CFR §60 Subpart A as indicated in 40 CFR §60.4218 to comply with [LCCO Sec. 10-62(b)].
D. The owner or operator shall meet the Emission Standards for Owners and Operators requirements of 40 CFR §60.4204 and §60.4206 to comply with [LCCO Sec. 10-62(b)(1)(yyy)].
E. The owner or operator shall comply with the Fuel Requirements for Owners and Operators of 40 CFR §60.4207 (Subpart IIII) to comply with [LCCO Sec. 10-62(b)(1)(yyy)].
F. The owner or operator shall install and operate the generator according to manufacturer’s recommendations.
G. Refer to the requirements of [Plant-Wide Conditions], Facility Bubble Permit Requirements.
Authority for Requirement: LCPH ATI 6237 / PTO 6011

**Operating Condition Monitoring and Recordkeeping**
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. Records shall be legible and maintained in an orderly manner. These records shall show the following:

A. The owner or operator shall obtain a fuel certification from the fuel supplier that states all diesel shipments will meet the specifications of 40 CFR §60.4207 on an annual basis.
B. Record the number of hours the engine operates each month. Calculate and record the 12-month rolling total hours.
C. The owner or operator shall complete all recordkeeping and monitoring as required by NSPS Subpart III as indicated below:
   a. The owner or operator of the stationary CI internal combustion engine shall follow the monitoring requirements of 40 CFR §60.4209.
   b. The owner or operator of the stationary CI internal combustion engine shall follow the compliance requirements of 40 CFR §60.4211.
   c. The owner or operator of the stationary CI internal combustion engine shall follow the notification, reporting, and recordkeeping requirements of 40 CFR §60.4214.
D. Refer to the requirements of [Plant-Wide Conditions], Facility Bubble Permit Requirements.
Authority for Requirement: LCPH ATI 6237 / PTO 6011

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

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

Authority for Requirement: LCPH ATI 6237 / PTO 6011

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

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

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

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: 179

Associated Equipment

Associated Emission Unit ID Numbers: EU179

Emission Unit vented through this Emission Point: EU179
Emission Unit Description: Propane Burner
Raw Material/Fuel: Propane
Rated Capacity: 0.5 MMBTU/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 20%¹
Authority for Requirement: LCPH ATI 6002/PTO 5720R2
LCCO Sec. 10-60

Pollutant: Particulate Matter
Emission Limit(s): 0.6 lb/MMBtu
Authority for Requirement: LCPH ATI 6002/PTO 5720R2
567 IAC 23.3(2)"b"
LCCO Sec. 10-61(b)(2)

Pollutant: Sulfur Dioxide (SO₂)
Emission Limit(s): 1.5 lbs/MMBtu, 500 ppmv
Authority for Requirement: LCPH ATI 6002/PTO 5720R2
LCCO Sec. 10-65(1)(b)
567 IAC 23.3(3)"e"

Pollutant: Nitrogen Oxides (NOₓ)
Emission Limit(s): 235 tpy
Authority for Requirement: LCPH ATI 6002 / PTO 5720R2
See Plant-Wide Conditions for Plant-Wide NOₓ limit.

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

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

See Plant-Wide Conditions section for Facility Operating Limits, Recordkeeping Requirements and Reporting Requirements that apply to this emission point.
Operating Limits
The owner or operator of this equipment shall comply with the operational limits and requirements listed below:

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

Authority for Requirement: LCPH ATI 6002 / PTO 5720R2

Operating Condition Monitoring and Recordkeeping
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. Records shall be legible and maintained in an orderly manner. These records shall show the following:

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

Authority for Requirement: LCPH ATI 6002 / PTO 5720R2

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

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

Authority for Requirement: LCPH ATI 6002 / PTO 5720R2

Emission Point Characteristics
This emission point shall conform to the conditions listed below.

Stack Height (feet, from ground): 18
Discharge Style: Vertical, unobstructed
Stack Opening (inches, diameter): 12
Exhaust Temperature (°F): 150
Exhaust Flowrate (scfm): 99

Authority for Requirement: LCPH ATI 6002 / PTO 5720R2

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

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

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

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: 180, 200, 308

Associated Equipment

<table>
<thead>
<tr>
<th>EP</th>
<th>EU</th>
<th>EU Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
<th>Control Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>180</td>
<td>180</td>
<td>Regrinds Receiver</td>
<td>Ingredient</td>
<td>8.55 tons/hr</td>
<td>Cartridge Filters</td>
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<tr>
<td>200</td>
<td>200</td>
<td>Product Receiver</td>
<td>Ingredient</td>
<td>10.25 tons/hr</td>
<td>Baghouse</td>
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<td>308</td>
<td>308A</td>
<td>Product Receiver</td>
<td>Ingredient</td>
<td>3.0 tons/hr</td>
<td>Baghouse 308A, 308B, 308C</td>
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<tr>
<td>308</td>
<td>308B</td>
<td>Product Receiver</td>
<td>Ingredient</td>
<td>3.0 tons/hr</td>
<td></td>
</tr>
<tr>
<td>308</td>
<td>308C</td>
<td>Product Receiver</td>
<td>Ingredient</td>
<td>6.0 tons/hr</td>
<td></td>
</tr>
</tbody>
</table>

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

<table>
<thead>
<tr>
<th>EP</th>
<th>Pollutant</th>
<th>Emission Limit(s)</th>
<th>Authority for Requirement (ATI/PTO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>180</td>
<td>Opacity</td>
<td>20%¹ ²</td>
<td>6436 / 6219R1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>6238 / 6012R1</td>
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<td></td>
<td></td>
<td></td>
<td>7228 / 6939</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>LCCO Sec. 10-60</td>
</tr>
<tr>
<td>200</td>
<td>PM</td>
<td>0.1 gr/dscf</td>
<td>6436 / 6219R1</td>
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<td></td>
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<td>7228 / 6939</td>
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<td>LCCO Sec. 10-62(a)(1)</td>
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<td>567 IAC 23.3(2)&quot;a&quot;</td>
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<td>308</td>
<td>PM/PM10</td>
<td>1.98 lbs/hr</td>
<td>6436 / 6219R1</td>
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<td>PM/PM10</td>
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<td>308</td>
<td>PM/PM10</td>
<td>1.33 lbs/hr</td>
<td>7228 / 6939</td>
</tr>
</tbody>
</table>

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

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

Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.
Control Device
A baghouse shall be used to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in "Operating Condition Monitoring and Record keeping" shall be installed, maintained and operating during the operation of the emission unit and control device at all times.
Authority for Requirement:  LCPH ATI 6238 / PTO 6012R1

Cartridge filters shall be installed to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in "Operating Condition Monitoring and Record keeping" shall be installed, maintained and operating during the operation of the emission unit and control device at all times.
Authority for Requirement:  LCPH ATI 6436 / PTO 6219R1

Operating Limits (EP180 and EP200)
The owner or operator of this equipment shall comply with the operational limits and requirements listed below:

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

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:

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

Operating Requirements with Associated Monitoring and Recordkeeping (EP308)

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

A. The pressure drop across each baghouse, CE 308A, 308B, and 308C, shall be maintained between 0.5 inches and 15 inches of water column. The owner and operator shall monitor and record pressure drop reading across each baghouse, CE 308A, 308B, and 308C.

B. The owner or operator shall monitor and record ‘no visible emissions’ observations on a:
   i. Weekly basis when pressure drop is between 0.5 inches and 8.0 inches of water column across CE 308A, 308B, and 308C.
   ii. Daily basis when pressure drop is between 8 inches and 15 inches of water column across one or more baghouses, CE 308A, 308B, and 308C.

C. The owner or operator shall monitor and record ‘no visible emissions’ observations on a weekly basis. An exceedance of ‘no visible emissions’ will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.

D. The control equipment shall be maintained according to the manufacturer’s specifications and good operating practices. The owner or operator shall maintain records of all maintenance completed on the control equipment.

Authority for Requirement: LCPH ATI 7228 / PTO 6939

Emission Point Characteristics

The emission point shall conform to the specifications listed below:

<table>
<thead>
<tr>
<th>EP</th>
<th>LCPH ATI/PTO</th>
<th>Stack Height (feet, above ground)</th>
<th>Stack Discharge Style</th>
<th>Stack Opening (inches, dia.)</th>
<th>Exhaust Temperature (°F)</th>
<th>Exhaust Flowrate (scfm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>180</td>
<td>6436 / 6219R1</td>
<td>71</td>
<td>Vertical, unobstructed</td>
<td>12</td>
<td>125</td>
<td>4,006</td>
</tr>
<tr>
<td>200</td>
<td>6238 / 6012R1</td>
<td>72</td>
<td>Vertical, unobstructed</td>
<td>20</td>
<td>132</td>
<td>12,700</td>
</tr>
<tr>
<td>308</td>
<td>7228 / 6939</td>
<td>42</td>
<td>Vertical, unobstructed</td>
<td>20</td>
<td>130</td>
<td>9,105</td>
</tr>
</tbody>
</table>
The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

**Monitoring Requirements**

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

**Stack Testing**

The following stack tests shall be performed:

**EP 180**

Pollutant – PM-10\(^{(1)}\)

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

Test Method – Method 201A with 202 or approved alternative

Authority for Requirement – 567 IAC 22.108(3)

Pollutant – PM

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

Test Method – Method 5 or approved alternative

Authority for Requirement – 567 IAC 22.108(3)

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

**EP 308**

Pollutant – PM

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

Test Method – Method 5 or approved alternative

Authority for Requirement – 567 IAC 22.108(3)

*The owner of this equipment or the owner’s authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the test shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)*
Opacity Monitoring
The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required.

If an opacity >20 % is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(14)

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒
Facility Maintained Operation & Maintenance Plan Required? EP 200 Yes ☒ No ☐
Compliance Assurance Monitoring (CAM) Plan Required? EPs 180, 308 Yes ☒ No ☐

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)
Compliance Assurance Monitoring Plan

CAM Plan for EP 180 Baghouse

I. Background

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

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

C. Control Technology: Cartridge Filters

II. Monitoring Approach

A. Indicator
   Daily pressure differential checks will be used as an indicator.

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

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

D. QIP (Quality Improvement Plan) Threshold
   The QIP threshold is six excursions in a six month reporting period

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

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

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

III. Justification

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

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

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

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

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

CAM Plan for EP 308 Baghouse

I. Background

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

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

C. Control Technology: Fabric Filter

II. Monitoring Approach

A. Indicator
   Daily pressure differential checks will be used as an indicator.

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

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

D. QIP (Quality Improvement Plan) Threshold
   The QIP threshold is six excursions in a six month reporting period

E. Performance Criteria
Data representativeness: Pressure differential maintained between 0.5 inches of water column and 8 inches of water column during operation with an exception of a water column observation above 8 inches. If the differential pressure exceeds 8 inches then the stack will be checked daily for no visible emissions.

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

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

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

III. Justification

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

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

C. Rationale for Selection of Indicator Level
The daily differential pressure drop between 0.5 inches of water column and 15 inches of water column during operation with the exception of a water column observation above 8 inches then the stack will be checked daily for no visible emissions. If a pressure differential is observed to be outside the permitted pressure differential range, corrective action will be taken within 8 hours.
The pressure differential range noted above was selected as indicator ranges because if pressure differential were to be less than 0.5 or greater than 15 inches of water column, this would indicate a potential increase in particulate emissions due to decreased performance of the baghouses. If the baghouses are operating properly, pressure differentials in the above range will be maintained.

The selected QIP threshold for the baghouse is 6 excursions in a 6-month reporting period. If the QIP threshold is exceeded in a semiannual reporting period, a QIP will be developed and implemented.
Emission Point ID Number: 181

Associated Equipment

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

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

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

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

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

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

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

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

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

Pollutant: VOC
Emission Limit(s): 1.0 g/HP-hr
Authority for Requirement: LCPH ATI 6267 / PTO 6135R1
40 CFR 60.4233(e)
Pollutant: CO
Emission Limit(s): 4.0 g/HP-hr\(^1\)
Authority for Requirement: LCPH ATI 6267 / PTO 6135R1
\hspace{1cm} 40 CFR 60.4233(e)

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

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

Authority for Requirement: 40 CFR Part 60 Subpart JJJJ

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

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ

**Operational Limits & Requirements**

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

**Control Equipment**

A catalyst shall be installed to control emissions of volatile organic compounds and carbon monoxide. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in Operating Condition Monitoring and Recordkeeping shall be installed, maintained and operating during the operation of the emission unit and control device at all times.

Authority for Requirement: LCPH ATI 6267 / PTO 6135R1

**Operating Limits**

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

A. This source shall be used for emergency use only.
B. Fuel use in this unit shall be limited to natural gas fuel only.
C. This source shall be limited to 100 hours per year of operation for maintenance checks and readiness testing.
D. This source shall be limited to 500 hours per year of emergency operating time.
E. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in §60.4243(d), is prohibited.
F. The owner or operator shall meet the applicable General Provisions requirements of 40 CFR 60 Subpart A as indicated in 40 CFR §60.4246 to comply with [LCCO Sec. 10-62(b)(1)(zzz)].
G. The owner or operator shall meet the Emission Standards for Owners and Operators requirements of 40 CFR §60.4233 to comply with [LCCO Sec. 10-62(b)(1)(zzz)].
H. The owner or operator shall install and operate the generator according to manufacturer’s recommendations.
I. The generator shall be equipped with a non-resettable hour meter.
J. Refer to the requirements of [Plant-Wide Conditions], Facility Bubble Permit Requirements.

Authority for Requirement: LCPH ATI 6267 / PTO 6135R1

**Operating Condition Monitoring and Recordkeeping**

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. Records shall be legible and maintained in an orderly manner. These records shall show the following:

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

Authority for Requirement: LCPH ATI 6267 / PTO 6135R1

**Reporting Requirements**

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

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

Authority for Requirement: LCPH ATI 6267 / PTO 6135R1

**Emission Point Characteristics**

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

Stack Height, (ft, from the ground): 72
Stack Opening, (inches, dia.): 5
Exhaust Flow Rate (scfm): 431
Exhaust Temperature (°F): 1,384
Discharge Style: Vertical, unobstructed

Authority for Requirement: LCPH ATI 6267 / PTO 6135R1

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.
Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

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

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: 183

Associated Equipment

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

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

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

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

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

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

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

Control Equipment
Cartridge filters shall be installed to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in Operating Condition Monitoring and Recordkeeping shall be installed, maintained and operating during the operation of the emission unit and control device at all times.
Authority for Requirement: LCPH ATI 6751 / PTO 6554
Operating Limits
The owner or operator of this equipment shall comply with the operational limits and requirements listed below:

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

Authority for Requirement: LCPH ATI 6751 / PTO 6554

Operating Condition Monitoring and Recordkeeping
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. Records shall be legible and maintained in an orderly manner. These records shall show the following:

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

Authority for Requirement: LCPH ATI 6751 / PTO 6554

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

Stack Height, (ft, from the ground): 37
Discharge Style: Vertical, unobstructed
Stack Opening, (inches, dia.): 8
Exhaust Temperature (°F): 70
Exhaust Flow Rate (scfm): 1,400

Authority for Requirement: LCPH ATI 6751 / PTO 6554

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

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

Opacity Monitoring
The facility shall check weekly for visible emissions during a period when the emission unit on this emission point is handling material and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years. If weather conditions prevent the observer from conducting a visible emission observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake visible emission readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Observations shall be done to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity > 20% is observed via the Method 9 observation, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions.

Authority for Requirement: 567 IAC 22.108(14)

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

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: 184

## Associated Equipment

<table>
<thead>
<tr>
<th>EP</th>
<th>EU</th>
<th>EU Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
<th>CE ID</th>
<th>CE Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>184</td>
<td>184</td>
<td>Emergency Fire Pump Compression Engine</td>
<td>Diesel Fuel</td>
<td>GPH 183 BHP</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

## Applicable Requirements

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

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

<table>
<thead>
<tr>
<th>EP</th>
<th>Pollutant</th>
<th>Emission Limit(s)</th>
<th>Authority for Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>184</td>
<td>PM</td>
<td>0.6 lb/MMBtu</td>
<td>567 IAC 23.3(2)(b)&quot;2&quot; LCO Sec. 10-61(b)(1)</td>
</tr>
<tr>
<td></td>
<td>Opacity</td>
<td>20%</td>
<td>LCO Sec. 10-60(a)</td>
</tr>
<tr>
<td></td>
<td>SO₂</td>
<td>1.5 lb/MMBtu (max 2-hr avg)</td>
<td>LCO Sec. 10-65(1)(b)</td>
</tr>
</tbody>
</table>

### Operational Limits & Requirements

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

### Federal Standards

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

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

<table>
<thead>
<tr>
<th>EU ID</th>
<th>Subpart</th>
<th>Title</th>
<th>Type</th>
<th>Local Reference (LCO Sec.)</th>
<th>Federal Reference (40 CFR)</th>
</tr>
</thead>
</table>

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

## Compliance Date

APD 76 04-TV-016R2 6/27/2019
Per 63.6595(a)(1) you must comply with the provisions of Subpart ZZZZ that are applicable by May 3, 2013.

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

1. Change oil and filter every 500 hours of operation or annually, whichever comes first. (See 63.6625(i) for the oil analysis option to extend time frame of requirements.)
2. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first, and replace as necessary.
3. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
4. Operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
5. Install a non-resettable hour meter if one is not already installed.
6. Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

**Operating Limits 40 CFR 63.6640(f)**

1. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations (up to) 50 hours per year is prohibited.
2. There is no time limit on the use of emergency stationary RICE in emergency situations.
3. You may operate your emergency stationary RICE up to 100 combined hours per calendar year for maintenance checks and readiness testing. See 40 CFR 63.6640(f)(2) for additional information and restrictions.
4. You may operate your emergency stationary RICE up to 50 hours per calendar year for non-emergency situations, but those 50 hours are counted toward the 100 hours of maintenance and testing. Except as provided in 40 CFR 63.6640(f)(4)(i) and (ii), the 50 hours per year for non-emergency situations cannot be used for peak shaving, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

**Recordkeeping Requirements 40 CFR 63.6655**

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

**Notification and Reporting Requirements 40 CFR 63.6645, 63.6650 and Table 2d to Subpart ZZZZ**

3. An initial notification is not required per 40 CFR 63.6645(a)(5)
4. A report may be required for failure to perform the work practice requirements on the schedule required in Table 2d. (See Footnote 2 of Table 2d for more information.)
Authority for Requirement: 40 CFR 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"
Emission Point ID Number: 305, 306, 309, 324, 325, 326

Associated Equipment

<table>
<thead>
<tr>
<th>EP</th>
<th>EU</th>
<th>EU Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
<th>Control Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>305</td>
<td>305</td>
<td>Dryer</td>
<td>Food Ingredients</td>
<td>3.5 tons/hr</td>
<td>None</td>
</tr>
<tr>
<td>306</td>
<td>306</td>
<td>Dryer</td>
<td>Food Ingredients</td>
<td>3.5 tons/hr</td>
<td>None</td>
</tr>
<tr>
<td>309</td>
<td>309A</td>
<td>Dryer</td>
<td>Food Ingredients</td>
<td>5 tons/hr</td>
<td>None</td>
</tr>
<tr>
<td>309</td>
<td>309B</td>
<td>Dryer</td>
<td>Food Ingredients</td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>309</td>
<td>309E</td>
<td>Dryer</td>
<td>Food Ingredients</td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>309</td>
<td>309F</td>
<td>Dryer</td>
<td>Food Ingredients</td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>324</td>
<td>309C</td>
<td>Dryer</td>
<td>Food Ingredients</td>
<td>1 tons/hr</td>
<td>None</td>
</tr>
<tr>
<td>324</td>
<td>309D</td>
<td>Dryer</td>
<td>Food Ingredients</td>
<td>1 tons/hr</td>
<td>None</td>
</tr>
<tr>
<td>325</td>
<td>325</td>
<td>Dryer</td>
<td>Food Ingredients</td>
<td>3.5 tons/hr</td>
<td>None</td>
</tr>
<tr>
<td>326</td>
<td>326</td>
<td>Dryer</td>
<td>Food Ingredients</td>
<td>3.5 tons/hr</td>
<td>None</td>
</tr>
</tbody>
</table>

Applicable Requirements

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

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

<table>
<thead>
<tr>
<th>EP</th>
<th>Pollutant</th>
<th>Emission Limit(s)</th>
<th>Authority for Requirement (ATI/PTO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>305</td>
<td>VOC</td>
<td>226 tpy (Facility VOC Bubble Limit)</td>
<td>5980 / 5662</td>
</tr>
<tr>
<td>306</td>
<td>VOC</td>
<td>226 tpy (Facility VOC Bubble Limit)</td>
<td>5981 / 5663</td>
</tr>
<tr>
<td>309</td>
<td>VOC</td>
<td>226 tpy (Facility VOC Bubble Limit)</td>
<td>7060 / 6816</td>
</tr>
<tr>
<td>324</td>
<td>VOC</td>
<td>226 tpy (Facility VOC Bubble Limit)</td>
<td>6796 / 6579</td>
</tr>
<tr>
<td>325</td>
<td>VOC</td>
<td>226 tpy (Facility VOC Bubble Limit)</td>
<td>7240 / 6968</td>
</tr>
<tr>
<td>326</td>
<td>VOC</td>
<td>226 tpy (Facility VOC Bubble Limit)</td>
<td>7241 / 6969</td>
</tr>
</tbody>
</table>

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

Operational Limits & Requirements

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

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

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

<table>
<thead>
<tr>
<th>EP</th>
<th>LCPH ATI/PTO</th>
<th>Stack Height (feet, above ground)</th>
<th>Discharge Style</th>
<th>Stack Opening (inches, dia.)</th>
<th>Exhaust Temperature (°F)</th>
<th>Exhaust Flowrate (scfm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>305</td>
<td>5980 / 5662</td>
<td>52.90</td>
<td>Vertical, obstructed</td>
<td>41 x 28</td>
<td>100</td>
<td>23,660</td>
</tr>
<tr>
<td>306</td>
<td>5981 / 5663</td>
<td>58.20</td>
<td>Vertical, obstructed</td>
<td>41 x 27</td>
<td>100</td>
<td>23,660</td>
</tr>
<tr>
<td>309</td>
<td>7060 / 6816</td>
<td>55</td>
<td>Vertical, unobstructed</td>
<td>51 x 38</td>
<td>100</td>
<td>23,660</td>
</tr>
<tr>
<td>324</td>
<td>6796 / 6579</td>
<td>40</td>
<td>Vertical, unobstructed</td>
<td>38</td>
<td>100</td>
<td>23,000</td>
</tr>
<tr>
<td>325</td>
<td>7240 / 6968</td>
<td>35.5</td>
<td>Vertical, obstructed</td>
<td>24</td>
<td>100</td>
<td>7,571</td>
</tr>
<tr>
<td>326</td>
<td>7241 / 6969</td>
<td>35.5</td>
<td>Vertical, obstructed</td>
<td>24</td>
<td>100</td>
<td>7,571</td>
</tr>
</tbody>
</table>

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

## Monitoring Requirements

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

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agency Approved Operation &amp; Maintenance Plan</td>
<td></td>
<td>No</td>
</tr>
<tr>
<td>Facility Maintained Operation &amp; Maintenance Plan</td>
<td></td>
<td>No</td>
</tr>
<tr>
<td>Compliance Assurance Monitoring (CAM) Plan</td>
<td></td>
<td>No</td>
</tr>
</tbody>
</table>

Authority for Requirement: 567 IAC 22.108(3)
**Emission Point ID Number: 307**

**Associated Equipment**

Associated Emission Unit ID Numbers: EU307

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**Emission Unit vented through this Emission Point:** EU307  
**Emission Unit Description:** Backup Generator  
**Raw Material/Fuel:** Diesel Fuel  
**Rated Capacity:** 4.97 MMBtu/hr

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**Applicable Requirements**

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

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

- **Pollutant:** Opacity  
  **Emission Limit(s):** 20%  
  **Authority for Requirement:** LCPH ATI 4607 / PTO 4762  
  LCCO Sec. 10-60

- **Pollutant:** PM-10  
  **Emission Limit(s):** 0.70 lb/hr, 0.35 tpy  
  **Authority for Requirement:** LCPH ATI 4607 / PTO 4762

- **Pollutant:** Particulate Matter  
  **Emission Limit(s):** 0.70 lb/hr, 0.35 tpy  
  **Authority for Requirement:** LCPH ATI 4607 / PTO 4762

- **Pollutant:** Sulfur Dioxide (SO₂)  
  **Emission Limit(s):** 1.5 lb/MMBtu  
  **Authority for Requirement:** LCPH ATI 4607 / PTO 4762  
  LCCO Sec. 10-65(1)(b)

- **Pollutant:** Nitrogen Oxides (NOₓ)  
  **Emission Limit(s):** 235 tpy  
  **Authority for Requirement:** LCPH ATI 4607 / PTO 4762  
  See Plant-Wide Conditions for Plant-Wide NOₓ limit.

- **Pollutant:** Volatile Organic Compounds (VOC)  
  **Emission Limit(s):** 0.45 lb/hr, 0.22 tpy  
  **Authority for Requirement:** LCPH ATI 4607 / PTO 4762

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

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

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

Operating Limits

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

A. This source shall be limited to 1000 hours of operation per year calculated on a 12-month rolling total.

B. Fuel use in this unit shall be either #1 or #2 grade diesel fuel only, with a maximum concentration of 0.5% sulfur by weight.

Authority for Requirement: LCPH ATI 4607 / PTO 4762

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. Records shall be legible and maintained in an orderly manner. These records shall show the following:

A. Total hours of engine operation per year calculated on a 12-month rolling total.

B. Type of fuel burned and sulfur concentration by weight.

Authority for Requirement: LCPH ATI 4607 / PTO 4762

Emission Point Characteristics

This emission point shall conform to the specifications listed below.

Stack Height (feet, from ground): 50
Discharge Style: Vertical
Stack Opening (inches in diameter): 12
Exhaust Temperature (°F): 702
Exhaust Flowrate (scfm): 3’920

Authority for Requirement: LCPH ATI 4607 / PTO 4762

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

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

**Stack Testing**

The following stack tests shall be performed:

**EP 307**

Pollutant – CO

Stack test to be completed in accordance with §63.6620

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

Authority for Requirement: LCPH ATI 4607 / PTO 4762

Agency Approved Operation & Maintenance Plan Required?  Yes ☐ No ☒

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

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

Authority for Requirement:  567 IAC 22.108(3)
Emission Point ID Number: 313, 327

Associated Equipment

<table>
<thead>
<tr>
<th>EP</th>
<th>EU Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>313</td>
<td>Boiler #3</td>
<td>Natural Gas</td>
<td>48.25 MMBtu/hr</td>
</tr>
<tr>
<td>313</td>
<td>Boiler #3</td>
<td>Propane</td>
<td>48.3 MMBtu/hr</td>
</tr>
<tr>
<td>327</td>
<td>Boiler #4</td>
<td>Natural Gas</td>
<td></td>
</tr>
<tr>
<td>327</td>
<td>Boiler #4</td>
<td>Propane</td>
<td></td>
</tr>
</tbody>
</table>

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

<table>
<thead>
<tr>
<th>EP</th>
<th>Pollutant</th>
<th>Emission Limit(s)</th>
<th>Authority for Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>313</td>
<td>Opacity</td>
<td>20%</td>
<td>2533 / 4583R2</td>
</tr>
<tr>
<td>313</td>
<td>PM10/PM</td>
<td>0.37 lbs/hr</td>
<td>2533 / 4583R2</td>
</tr>
<tr>
<td>327</td>
<td>PM</td>
<td>0.3 lb/MMBtu (1)</td>
<td>2533 / 4583R2</td>
</tr>
<tr>
<td>313</td>
<td>SO2</td>
<td>0.04 lbs/hr, 1.5 lbs/MMBTU (liquid fuel), 500 ppmv</td>
<td>2533 / 4583R2</td>
</tr>
<tr>
<td>327</td>
<td>NOx</td>
<td>235</td>
<td>2533 / 4583R2</td>
</tr>
<tr>
<td>313</td>
<td>CO</td>
<td>3.97 lbs/hr</td>
<td>2533 / 4583R2</td>
</tr>
<tr>
<td>327</td>
<td>CO</td>
<td>3.98 lbs/hr</td>
<td>2533 / 4583R2</td>
</tr>
</tbody>
</table>

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

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

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

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

See Plant-Wide Conditions, Facility NOx Bubble Conditions section for Facility Operating Limits, Recordkeeping Requirements and Reporting Requirements that apply to this emission point.
Operating Condition Monitoring and Recordkeeping
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. Records shall be legible and maintained in an orderly manner. These records shall show the following:

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

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

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

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

<table>
<thead>
<tr>
<th>EP</th>
<th>LCPH ATI/PTO</th>
<th>Stack Height (feet, above ground)</th>
<th>Discharge Style</th>
<th>Stack Opening (inches, dia.)</th>
<th>Exhaust Temp. (°F)</th>
<th>Exhaust Flowrate (scfm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>313</td>
<td>2533/4583R2</td>
<td>104</td>
<td>Vertical, unobstructed</td>
<td>36</td>
<td>450</td>
<td>5,669</td>
</tr>
<tr>
<td>327</td>
<td>4009/4586R2</td>
<td>104</td>
<td>Vertical, unobstructed</td>
<td>36</td>
<td>450</td>
<td>5,689</td>
</tr>
</tbody>
</table>

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

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

Opacity Monitoring
The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required.
If an opacity >20 % is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(14)

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒

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

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

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: 321, 322

Associated Equipment

<table>
<thead>
<tr>
<th>EP</th>
<th>EU</th>
<th>EU Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>321</td>
<td>321A</td>
<td>Water Heater</td>
<td>Natural Gas</td>
<td>21 MMBtu/hr</td>
</tr>
<tr>
<td>321</td>
<td>321B</td>
<td>Water Heater</td>
<td>Propane</td>
<td>21 MMBtu/hr</td>
</tr>
<tr>
<td>322</td>
<td>322A</td>
<td>Water Heater</td>
<td>Natural Gas</td>
<td>21 MMBtu/hr</td>
</tr>
<tr>
<td>322</td>
<td>322B</td>
<td>Water Heater</td>
<td>Propane</td>
<td>21 MMBtu/hr</td>
</tr>
</tbody>
</table>

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

<table>
<thead>
<tr>
<th>EP</th>
<th>Pollutant</th>
<th>Emission Limit(s)</th>
<th>Authority for Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>321</td>
<td>Opacity</td>
<td>20%</td>
<td>3886 / 4584R2 3887 / 4585R2 LCCO Sec. 10-60</td>
</tr>
<tr>
<td>321</td>
<td>PM10/PM</td>
<td>0.16 lbs/hr</td>
<td>3886 / 4584R2 3887 / 4585R2</td>
</tr>
<tr>
<td>321</td>
<td>PM</td>
<td>0.6 lb/MMBtu</td>
<td>3886 / 4584R2 3887 / 4585R2</td>
</tr>
<tr>
<td>321</td>
<td>SO2</td>
<td>0.02 lbs/hr 1.5 lbs/MMBTU (liquid fuel)  500 ppmv (natural gas)</td>
<td>3886 / 4584R2 3887 / 4585R2 LCCO Sec. 10-61(b)(2) LCCO Sec. 10-65(1)(b) LCCO Sec. 10-65(2) 567 IAC 23.3(3)&quot;e&quot;</td>
</tr>
<tr>
<td>321</td>
<td>NOx</td>
<td>235</td>
<td>3886 / 4584R2 3887 / 4585R2</td>
</tr>
<tr>
<td>321</td>
<td>VOC</td>
<td>0.11 lbs/hr</td>
<td>3886 / 4584R2</td>
</tr>
<tr>
<td>321</td>
<td>CO</td>
<td>1.73 lbs/hr</td>
<td>3886 / 4584R2 3887 / 4585R2</td>
</tr>
</tbody>
</table>

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

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

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

B. The owner or operator shall monitor and record ‘no visible emissions’ observations on a weekly basis. An exceedance of ‘no visible emissions’ will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.

Authority for Requirement: LCPH ATI 3886 / PTO 4584R2 LCPH ATI 3887 / PTO 4585R2
**Emission Point Characteristics**

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

<table>
<thead>
<tr>
<th>EP</th>
<th>LCPH ATI/PTO</th>
<th>Stack Height (feet, above ground)</th>
<th>Discharge Style</th>
<th>Stack Opening (inches, diameter)</th>
<th>Exhaust Temperature (°F)</th>
<th>Exhaust Flowrate (scfm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>321</td>
<td>3886/4584R2</td>
<td>57</td>
<td>Vertical, unobstructed</td>
<td>42</td>
<td>160</td>
<td>3,932</td>
</tr>
<tr>
<td>322</td>
<td>3887/5485R2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Monitoring Requirements**

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

**Opacity Monitoring**

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

If an opacity >20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(14)

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

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

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

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: 330

Associated Equipment

Associated Emission Unit ID Numbers: EU330

Emission Unit vented through this Emission Point: EU330
Emission Unit Description: Standby Generator
Raw Material/Fuel: Diesel Fuel
Rated Capacity: 58.6 gallons/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 20%
Authority for Requirement: LCPH ATI 4144 / PTO 4644R4
LCCO Sec. 10-60

Pollutant: Particulate Matter
Emission Limit(s): 0.6 lbs/MMBtu
Authority for Requirement: LCPH ATI 4144 / PTO 4644R4
LCCO Sec. 10-61(b)(1)

Pollutant: Sulfur Dioxide (SO₂)
Emission Limit(s): 1.5 lb/MMBtu
Authority for Requirement: LCPH ATI 4144 / PTO 4644R4
LCCO Sec. 10-65(1)(b)

Pollutant: Nitrogen Oxides (NOₓ)
Emission Limit(s): 235 tpy
Authority for Requirement: LCPH ATI 4144 / PTO 4644R4
See Plant-Wide Conditions for Plant-Wide NOₓ limit.

Pollutant: Carbon Monoxide (CO)
Emission Limit(s): 23 ppmvd or less at 15 percent O₂ or 70% or more CO reduction
Authority for Requirement: LCPH ATI 4144 / PTO 4644R4

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

See Plant-Wide Conditions section for Facility Operating Limits, Recordkeeping Requirements and Reporting Requirements that apply to this emission point.
Control Equipment
A catalyst shall be installed to control emissions of volatile organic compounds and carbon monoxide. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in Operating Condition and Recordkeeping shall be installed, maintained and operating during the operation of the emission unit and control device at all times.
Authority for Requirement: LCPH ATI 4144 / PTO 4644R4

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

A. The New Source Performance Standards (NSPS) Subpart A, General Provisions and Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines does not apply to this source because it was installed prior to 7/11/2005 and manufactured prior to 4/1/2006.
B. This engine is of the source type regulated by the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (40 CFR Part 63, Subpart ZZZZ) and shall apply to this source pursuant to LCCO Sec. 10-62(d)(104) and 567 IAC 23.1(4)"cz." The engine is an existing reciprocating internal combustion engine located at an area source of HAP.
Authority for Requirement: LCPH ATI 4144 / PTO 4644R4

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

A. This source shall be limited to 1000 hours per year based on a 12-month rolling period.
B. Fuel use in this unit shall be either #1 or #2 grade diesel fuel only.
C. The owner or operator shall use diesel fuel that meets the requirements of 40 CFR §80.510(b) for non-road diesel fuel.
D. The owner or operator shall meet all applicable emission limitations, operating limitations, and other requirements listed under §63.6603.
E. The owner or operator shall meet the fuel requirements listed under §63.6604.
F. The owner or operator shall install and operate the generator according to manufacturer’s recommendations.
G. Refer to the requirements of [Plant-Wide Conditions], Facility Bubble Permit Requirements.
Authority for Requirement: LCPH ATI 4144 / PTO 4644R4
Operating Condition Monitoring and Recordkeeping
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. Records shall be legible and maintained in an orderly manner. These records shall show the following:

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

Authority for Requirement: LCPH ATI 4144 / PTO 4644R4

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

Authority for Requirement: LCPH ATI 4144 / PTO 4644R4

Reporting Requirements
The following information shall be submitted to this department:

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

Authority for Requirement: LCPH ATI 4144 / PTO 4644R4

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

Stack Height (feet from ground): 50
Discharge Style: Vertical, unobstructed
Stack Opening (inches in diameter): 12
Exhaust Temperature (°F): 981
Exhaust Flowrate (scfm): 6,381

Authority for Requirement: LCPH ATI 4144 / PTO 4644R4

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.
**Monitoring Requirements**
*The owner/operator of this equipment shall comply with the monitoring requirements listed below.*

**Stack Testing**
The following stack tests shall be performed:

**EP 330**
Pollutant – CO
Stack test to be completed in accordance with §63.6620
Test Method – 40 CFR 60, Appendix A, Method 10
Authority for Requirement: LCPH ATI 4144 / PTO 4644R4

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

Authority for Requirement:  567 IAC 22.108(3)
Emission Point ID Number: 339

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

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

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

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

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

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

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

Control Device
Cartridge filters shall be installed to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in Operating Condition Monitoring and Recordkeeping shall be installed, maintained and operating during the operation of the emission unit and control device at all times.
Authority for Requirement: LCPH ATI 5724 / PTO 5542R1
Operating Limits
The owner or operator of this equipment shall comply with the operational limits and requirements listed below:

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

Authority for Requirement: LCPH ATI 5724 / PTO 5542R1

Operating Condition Monitoring and Recordkeeping
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. Records shall be legible and maintained in an orderly manner. These records shall show the following:

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

Authority for Requirement: LCPH ATI 5724 / PTO 5542R1

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

Stack Height (feet from ground): 59
Discharge Style: Vertical, unobstructed
Stack Opening (inches in diameter): 25
Exhaust Temperature (°F): 93
Exhaust Flowrate (scfm): 12,000

Authority for Requirement: LCPH ATI 5724 / PTO 5542R1

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.
Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Opacity Monitoring
The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required.

If an opacity >20 % is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(14)

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☒
Facility Maintained Operation & Maintenance Plan Required? PM10 Yes ☒ No ☐
Compliance Assurance Monitoring (CAM) Plan Required? PM Yes ☒ No ☐
Compliance Assurance Monitoring Plan

CAM Plan for EP 339 Baghouse

I. Background

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

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

C. Control Technology: Cartridge Filters

II. Monitoring Approach

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

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

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

D. QIP (Quality Improvement Plan) Threshold
   The QIP threshold is six excursions in a six month reporting period

E. Performance Criteria
   Data representativeness: Pressure differential maintained between 0.5 inches of water column and 12 inches of water column during operation.
   Verification of operational status: Records of pressure drop readings will be maintained for five years.
QA/QC practices and criteria: The facility shall check the pressure drop daily when the emission unit on this emission point is in operation. If a pressure differential is observed and outside the permitted water column range during operation, corrective action will be taken within 8 hours.

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

III. Justification

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

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

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

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

The selected QIP threshold for the baghouse is 6 excursions in a 6-month reporting period. If the QIP threshold is exceeded in a semiannual reporting period, a QIP will be developed and implemented.
**Emission Point ID Number:** 340

**Associated Equipment**

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

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<th>Emission Unit vented through this Emission Point</th>
<th>340</th>
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<tr>
<td>Emission Unit Description</td>
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<td>Raw Material/Fuel</td>
<td>Ingredient</td>
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<td>Rated Capacity</td>
<td>4.5 lbs/hr</td>
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**Applicable Requirements**

**Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)**  
*The emissions from this emission point shall not exceed the levels specified below.*

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

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

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

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

**Control Equipment**  
Cartridge filters shall be installed to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in Operating Condition Monitoring and Recordkeeping shall be installed, maintained and operating during the operation of the emission unit and control device at all times.  
Authority for Requirement: LCPH ATI 6661 / PTO 6496
Operating Limits
The owner or operator of this equipment shall comply with the operational limits and requirements listed below:

A. The pressure drop across the baghouse, CE 340, shall be maintained between 0.1 inches of water column and 8 inches of water column.
B. The control equipment shall be maintained according to the manufacturer's specifications and good operating practices.
Authority for Requirement: LCPH ATI 6661 / PTO 6496

Operating Condition Monitoring and Recordkeeping
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. Records shall be legible and maintained in an orderly manner. These records shall show the following:

A. Monitor and record pressure drop reading across the cartridge filters, CE 340, on a weekly basis while the control equipment is in operation.
B. Monitor and record any maintenance and repair completed on the control equipment.
Authority for Requirement: LCPH ATI 6661 / PTO 6496

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

Stack Height, (ft, from the ground): 48
Discharge Style: Vertical, unobstructed
Stack Opening, (inches, dia.): 6
Exhaust Temperature (°F): 70
Exhaust Flow Rate (acfm): 1,200
Authority for Requirement: LCPH ATI 6661 / PTO 6496

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

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

Opacity Monitoring
The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required.
If an opacity > 20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(14)

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

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: 344

Associated Equipment

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

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

Applicable Requirements

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

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

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

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

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

Operational Limits & Requirements

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

Operating Requirements with Associated Monitoring and Recordkeeping

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

A. The owner or operator shall monitor and record ‘no visible emissions’ observations on a weekly basis. An exceedance of ‘no visible emissions’ will require the owner/operator to promptly investigate the mission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.

B. The control equipment associated with these emission units (CE344) shall be maintained in accordance with manufacturer’s specifications and good operating practices. The owner or operator shall record the date and description of all maintenance completed on the control equipment, including bag replacement.
C. The normal differential pressure across the control equipment (CE344) shall be maintained between 0.1 and 8 inches of water column. The owner or operator shall monitor and record the differential pressure across the control equipment on a weekly basis.

Authority for Requirement: LCPH ATI 7169 / PTO 6932

**Emission Point Characteristics**

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

- Stack Height, (ft, from the ground): 48
- Discharge Style: Vertical, unobstructed
- Stack Opening, (inches, dia.): 6
- Exhaust Temperature (°F): 70
- Exhaust Flow Rate (acfm): 1,200

Authority for Requirement: LCPH ATI 7169 / PTO 6932

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

**Monitoring Requirements**

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

**Opacity Monitoring**

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

If an opacity >20 % is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(14)

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

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

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

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: 400, 500, 501, 502

Associated Equipment

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Applicable Requirements

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

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

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</tr>
</tbody>
</table>
| 502 |           |                   | 6384 / 6117R1, LCCO Sec. 10-62(a)(1) 567 IAC 23.3(2)"a"

Operational Limits & Requirements

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

Control Device

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

Authority for Requirement: LCPH ATI 5509 / PTO 5377; LCPH ATI 5688 / PTO 5522; LCPH ATI 5862 / PTO 5755; LCPH ATI 6384 / PTO 6117R1
Operating Limits
The owner or operator of this equipment shall comply with the operational limits and requirements listed below:

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

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

Operating Condition Monitoring and Recordkeeping
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. Records shall be legible and maintained in an orderly manner. These records shall show the following:

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

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

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

<table>
<thead>
<tr>
<th>EP</th>
<th>LCPH ATI/PTO</th>
<th>Stack Height (feet, above ground)</th>
<th>Discharge Style</th>
<th>Stack Opening (inches, dia.)</th>
<th>Exhaust Temp. (°F)</th>
<th>Exhaust Flowrate (acfm)</th>
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<td>144</td>
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<td>208,490</td>
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The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.
Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Stack Testing
The following stack tests shall be performed:

EP400
Pollutant – TDS\(^{(1)}\)
Testing completed once each quarter
Test Method – According to IDNR Method
Authority for Requirement – LCPH ATI 5509 / PTO 5377

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

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

Authority for Requirement: 567 IAC 22.108(3)
**Emission Point ID Number:** 310, 600, 601, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 744, 745, 746, 747, 800, 801, 802, 803, 804, 805, 806, 807, 808

**Associated Equipment**

<table>
<thead>
<tr>
<th>EP</th>
<th>EU</th>
<th>EU Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
<th>CEID</th>
<th>CE Description</th>
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</table>
Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)
The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): No Visible Emissions¹

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

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

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

Pollutant: Opacity  
Emission Limit(s): 20%  
Authority for Requirement: LCPH ATI 6934 / PTO 6700 (746)  
LCCO Sec. 10-60

Pollutant: Particulate Matter  
Emission Limit(s): 0.1 gr/dscf  
Authority for Requirement: 567 IAC 23.3(2)"a"  
LCCO Sec. 10-62(a)

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**Operational Limits & Requirements**

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

**Control Device**

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

Authority for Requirement: LCPH ATI 5828 / PTO 5619 (700)

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

Authority for Requirement: LCPH ATI 5830 / PTO 5620 (701)

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

Authority for Requirement:

| LCPH ATI 6038 / PTO 5771 (310) | LCPH ATI 5949 / PTO 5906 (733) |
| LCPH ATI 6390 / PTO 6118 (600) | LCPH ATI 5952 / PTO 5909R1 (736) |
| LCPH ATI 5890 / PTO 5725 (710) | LCPH ATI 5953 / PTO 5737 (737) |
| LCPH ATI 5891 / PTO 5726 (711) | LCPH ATI 5954 / PTO 5910 (738) |
| LCPH ATI 5892 / PTO 5895 (712) | LCPH ATI 5971 / PTO 5912 (740) |
| LCPH ATI 6027 / PTO 5898 (716) | LCPH ATI 6111 / PTO 5922 (741) |
| LCPH ATI 5897 / PTO 5899 (717) | LCPH ATI 6262 / PTO 6083 (744) |
| LCPH ATI 5898 / PTO 5900 (718) | LCPH ATI 6529 / PTO 6435 (745) |
| LCPH ATI 5905 / PTO 5904 (725) | LCPH ATI 6391 / PTO 6218R1 (800) |
| LCPH ATI 5906 / PTO 5905 (726) | LCPH ATI 6596 / PTO 6491 (802) |
| LCPH ATI 5907 / PTO 5731 (727) | LCPH ATI 6598 / PTO 6493 (804) |
| LCPH ATI 5908 / PTO 5732 (728) | LCPH ATI 6603 / PTO 6495 (806) |
| LCPH ATI 5909 / PTO 5727 (713) | LCPH ATI 5894 / PTO 5896 (714) |
| LCPH ATI 5910 / PTO 5734 (730) | LCPH ATI 5895 / PTO 5897 (715) |
| LCPH ATI 5911 / PTO 5735 (731) | LCPH ATI 5951 / PTO 5908R1 (735) |
| LCPH ATI 5912 / PTO 5736 (732) | LCPH ATI 5970 / PTO 5911 (739) |
Operating Limits
The owner or operator of this equipment shall comply with the operational limits and requirements listed below:

A. The differential pressure measured across the baghouse, CE 310, shall be maintained between 0.1 inches of water column and 8 inches of water column with the exception of unit startup. The differential pressure measured across the baghouse during the first five minutes of startup shall be maintained between 0.1 inches of water column and 13 inches of water column.

B. The control equipment on this unit shall be maintained according to the manufacturer’s specification and good operating practices.

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

A. The pressure drop across the [control equipment] shall be maintained between 0.1 inches of water column and 8 inches of water column.

B. The control equipment on this unit shall be maintained according to the manufacturer’s specification and good operating practices.

Authority for Requirement: LCPH ATI 6390 / PTO 6118 (600)
A. The pressure drop across the [control equipment] shall be maintained between 0.1 inches of water column and 12 inches of water column.

B. The control equipment shall be maintained according to the manufacturer's specifications and good operating practices.

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

**Operating Condition Monitoring and Recordkeeping**

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Linn County Air Quality Division and other federal or state air pollution regulatory agencies and their authorized representatives. Records shall be legible and maintained in an orderly manner. These records shall show the following:

A. Monitor and record the differential pressure on the [control equipment] on a weekly basis while the control equipment and emission unit are in operation.

B. Monitor and record any maintenance and repair completed on the control equipment.

Authority for Requirement:

LCPH ATI 6038 / PTO 5771 (310)  
LCPH ATI 6390 / PTO 6118 (600)  
LCPH ATI 5828 / PTO 5619 (700)  
LCPH ATI 5830 / PTO 5620 (701)  
LCPH ATI 5882 / PTO 5891 (702)  
LCPH ATI 5883 / PTO 5892 (703)  
LCPH ATI 5884 / PTO 5893 (704)  
LCPH ATI 5885 / PTO 5894 (705)  
LCPH ATI 5886 / PTO 5721 (706)  
LCPH ATI 5887 / PTO 5722 (707)  
LCPH ATI 5888 / PTO 5723 (708)  
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LCPH ATI 5891 / PTO 5726 (711)  
LCPH ATI 5892 / PTO 5895 (712)  
LCPH ATI 5893 / PTO 5727 (713)  
LCPH ATI 5894 / PTO 5896 (714)  
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LCPH ATI 6027 / PTO 5898 (716)  
LCPH ATI 5897 / PTO 5899 (717)  
LCPH ATI 5898 / PTO 5900 (718)  
LCPH ATI 5899 / PTO 5901 (719)  
LCPH ATI 5900 / PTO 5902 (720)  
LCPH ATI 5901 / PTO 5728 (721)  
LCPH ATI 5902 / PTO 5729 (722)  
LCPH ATI 5903 / PTO 5903 (723)  
LCPH ATI 5904 / PTO 5730R1 (724)
Operating Requirements with Associated Monitoring and Recordkeeping

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

A. The [control equipment] on this emission unit shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all maintenance completed on the control equipment.

B. The normal differential pressure across the [control equipment] shall be maintained between 0.1" and 8" of water column. The owner or operator shall monitor and record the differential pressure across the cartridge filters on a weekly basis, while the control equipment is in operation.

A. The pressure drop across the [control equipment] shall be maintained between 0.1" and 8" of water column. The owner or operator shall monitor and record pressure drop on a weekly basis while the control equipment is in operation.

B. The control equipment on these emission units shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall maintain records of all maintenance completed on the control equipment.

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

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

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

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<th>EP</th>
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<th>Stack Height (feet, above ground)</th>
<th>Discharge Style</th>
<th>Stack Opening (inches, dia.)</th>
<th>Exhaust Temp. (°F)</th>
<th>Exhaust Flowrate (scfm)</th>
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<td>Exhaust Temp. (°F)</td>
<td>Exhaust Flowrate (scfm)</td>
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</tr>
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<td>150</td>
<td>1,000</td>
</tr>
</tbody>
</table>
The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

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

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

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)
IV. General Conditions
This permit is issued under the authority of the Iowa Code subsection 455B.133(8) and in accordance with 567 Iowa Administrative Code chapter 22 and Linn County Code of Ordinance (LCO) Chapter 10 – Environment, Article III, Sec. 10-57.

G1. Duty to Comply
1. The permittee must comply with all conditions of the Title V permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for a permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. 567 IAC 22.108(9)"a"
2. Any compliance schedule shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based. 567 IAC 22.105 (2)"h"(3)
3. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be enforceable by the administrator and are incorporated into this permit. 567 IAC 22.108 (1)"b"
4. Unless specified as either "state enforceable only" or "local program enforceable only", all terms and conditions in the permit, including provisions to limit a source's potential to emit, are enforceable by the administrator and citizens under the Act. 567 IAC 22.108 (14)
5. It shall not be a defense for a permittee, in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. 567 IAC 22.108 (9)"b"
6. For applicable requirements with which the permittee is in compliance, the permittee shall continue to comply with such requirements. For applicable requirements that will become effective during the permit term, the permittee shall meet such requirements on a timely basis. 567 IAC 22.108(15)"c"

G2. Permit Expiration
1. Except as provided in rule 567—22.104(455B), permit expiration terminates a source's right to operate unless a timely and complete application for renewal has been submitted in accordance with rule 567—22.105(455B). 567 IAC 22.116(2)
2. To be considered timely, the owner, operator, or designated representative (where applicable) of each source required to obtain a Title V permit shall submit on forms or electronic format specified by the Department to the Air Quality Bureau, Iowa Department of Natural Resources, Air Quality Bureau, Wallace State Office Building, 502 E 9th St., Des Moines, IA 50319-0034, two copies (three if your facility is located in Linn or Polk county) of a complete permit application, at least 6 months but not more than 18 months prior to the date of permit expiration. An additional copy must also be sent to U.S. EPA Region VII, Attention: Chief of Air Permitting & Standards Branch, 11201 Renner Blvd., Lenexa, KS 66219. Additional copies to local programs or EPA are not required for application materials submitted through the electronic format specified by the Department. The application must include all emission points, emission units, air pollution control equipment, and monitoring devices at the facility. All emissions generating activities, including fugitive emissions, must be included. The definition of a complete application is as indicated in 567 IAC 22.105(2). 567 IAC 22.105

G3. Certification Requirement for Title V Related Documents
Any application, report, compliance certification or other document submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that, based on information and belief formed after reasonable
inquiry, the statements and information in the document are true, accurate, and complete. 567 IAC 22.107 (4)

G4. Annual Compliance Certification
By March 31 of each year, the permittee shall submit compliance certifications for the previous calendar year. The certifications shall include descriptions of means to monitor the compliance status of all emissions sources including emissions limitations, standards, and work practices in accordance with applicable requirements. The certification for a source shall include the identification of each term or condition of the permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with all applicable department rules. For sources determined not to be in compliance at the time of compliance certification, a compliance schedule shall be submitted which provides for periodic progress reports, dates for achieving activities, milestones, and an explanation of why any dates were missed and preventive or corrective measures. The compliance certification shall be submitted to the administrator, director, and Linn County Public Health Air Quality Division. 567 IAC 22.108 (15)"e"

G5. Semi-Annual Monitoring Report
By March 31 and September 30 of each year, the permittee shall submit a report of any monitoring required under this permit for the 6 month periods of July 1 to December 31 and January 1 to June 30, respectively. All instances of deviations from permit requirements must be clearly identified in these reports, and the report must be signed by a responsible official, consistent with 567 IAC 22.107(4). The semi-annual monitoring report shall be submitted to the director and Linn County Public Health Air Quality Division. 567 IAC 22.108 (5)

G6. Annual Fee
1. The permittee is required under subrule 567 IAC 22.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
3. The emissions inventory shall be submitted annually by March 31 with forms specified by the department documenting actual emissions for the previous calendar year.
4. The fee shall be submitted annually by July 1 with forms specified by the department.
5. If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.
6. Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.
7. The fee for a portable emissions unit or stationary source which operates both in Iowa and out of state shall be calculated only for emissions from the source while operating in Iowa.
8. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 22.115(1)"d". 
G7. Inspection of Premises, Records, Equipment, Methods and Discharges
Upon presentation of proper credentials and any other documents as may be required by law, the permittee shall allow the director or the director's authorized representative to:
1. Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
3. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
4. Sample or monitor, at reasonable times, substances or parameters for the purpose of ensuring compliance with the permit or other applicable requirements. 567 IAC 22.108 (15)"b" and LCO Sec. 10-75

G8. Duty to Provide Information
The permittee shall furnish to the director, within a reasonable time, any information that the director may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the director copies of records required to be kept by the permit, or for information claimed to be confidential, the permittee shall furnish such records directly to the administrator of EPA along with a claim of confidentiality. 567 IAC 22.108 (9)"e" and LCO Sec. 10-71 and 10-72

G9. General Maintenance and Repair Duties
The owner or operator of any air emission source or control equipment shall:
1. Maintain and operate the equipment or control equipment at all times in a manner consistent with good practice for minimizing emissions.
2. Remedy any cause of excess emissions in an expeditious manner.
3. Minimize the amount and duration of any excess emission to the maximum extent possible during periods of such emissions. These measures may include but not be limited to the use of clean fuels, production cutbacks, or the use of alternate process units or, in the case of utilities, purchase of electrical power until repairs are completed.
4. Schedule, at a minimum, routine maintenance of equipment or control equipment during periods of process shutdowns to the maximum extent possible. 567 IAC 24.2(1) and LCO Sec. 10-67(b)

G10. Recordkeeping Requirements for Compliance Monitoring
1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records, where applicable:
   a. The date, place and time of sampling or measurements
   b. The date the analyses were performed.
   c. The company or entity that performed the analyses.
   d. The analytical techniques or methods used.
   e. The results of such analyses; and
   f. The operating conditions as existing at the time of sampling or measurement.
   g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts.)
2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.
3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:
   a. Comply with all terms and conditions of this permit specific to each alternative scenario.
   b. Maintain a log at the permitted facility of the scenario under which it is operating.
   c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. 567 IAC 22.108(4), 567 IAC 22.108(12)

G11. Evidence used in establishing that a violation has or is occurring.
Notwithstanding any other provisions of these rules, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any provisions herein.
1. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred at a source:
   a. A monitoring method approved for the source and incorporated in an operating permit pursuant to 567 Chapter 22;
   b. Compliance test methods specified in 567 Chapter 25; or
   c. Testing or monitoring methods approved for the source in a construction permit issued pursuant to 567 Chapter 22.
2. The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:
   a. Any monitoring or testing methods provided in these rules; or
   b. Other testing, monitoring, or information gathering methods that produce information comparable to that produced by any method in subrule 21.5(1) or this subrule. 567 IAC 21.5(1)-567 IAC 21.5(2) and LCO Sec. 10-69(1)

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

G13. Hazardous Release
The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity, strength and toxicity of the substance, creates an immediate or potential danger to the public health, safety or to the environment. A verbal report shall be made to the department at (515) 725-8694 and to the local police department or the office of the sheriff of the affected county as soon as possible but not later than six hours after the discovery or onset of the condition. This verbal report must be followed up with a written report as indicated in 567 IAC 131.2(2). 567 IAC Chapter 131-State Only

G14. Excess Emissions and Excess Emissions Reporting Requirements
1. Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does not require the shutdown of the process equipment shall be limited to one six-minute period per one-hour period. An incident of excess emission (other than an incident during startup, shutdown or cleaning of control equipment) is a violation. If the owner or operator of a source maintains that the incident of excess emission was due to a malfunction, the owner or operator must show that the conditions which caused the
incident of excess emission were not preventable by reasonable maintenance and control measures. Determination of any subsequent enforcement action will be made following review of this report. If excess emissions are occurring, either the control equipment causing the excess emission shall be repaired in an expeditious manner or the process generating the emissions shall be shutdown within a reasonable period of time. An expeditious manner is the time necessary to determine the cause of the excess emissions and to correct it within a reasonable period of time. A reasonable period of time is eight hours plus the period of time required to shut down the process without damaging the process equipment or control equipment. A variance from this subrule may be available as provided for in Iowa Code section 455B.143. In the case of an electric utility, a reasonable period of time is eight hours plus the period of time until comparable generating capacity is available to meet consumer demand with the affected unit out of service, unless, the director shall, upon investigation, reasonably determine that continued operation constitutes an unjustifiable environmental hazard and issue an order that such operation is not in the public interest and require a process shutdown to commence immediately.

2. Excess Emissions Reporting

a. Initial Reporting of Excess Emissions. An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 25.1(6). An initial report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 25.1(1) ) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable emission standard by more than 10 percent or the applicable visible emission standard by more than 10 percent opacity. The initial report may be made by electronic mail (E-mail), in person, or by telephone and shall include as a minimum the following:

i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.
ii. The estimated quantity of the excess emission.
iii. The time and expected duration of the excess emission.
iv. The cause of the excess emission.
v. The steps being taken to remedy the excess emission.
vi. The steps being taken to limit the excess emission in the interim period.

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

i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.
ii. The estimated quantity of the excess emission.
iii. The time and duration of the excess emission.
iv. The cause of the excess emission.
v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.
vi. The steps that were taken to limit the excess emission.
vii. If the owner claims that the excess emission was due to malfunction,
3. Emergency Defense for Excess Emissions. For the purposes of this permit, an "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include non-compliance, to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation or operator error. An emergency constitutes an affirmative defense to an action brought for non-compliance with technology based limitations if it can be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that:

a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
b. The facility at the time was being properly operated;
c. During the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements of the permit; and
d. The permittee submitted notice of the emergency to the director by certified mail within two working days of the time when the emissions limitations were exceeded due to the emergency. This notice fulfills the requirement of paragraph 22.108(5)"b." – See G15. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

G15. Permit Deviation Reporting Requirements

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

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

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

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

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

2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. 567 IAC 22.110(2)

3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 22.110(1). 567 IAC 22.110(3)

4. The permit shield provided in subrule 22.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. 567 IAC 22.110(4)

5. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. 567 IAC 22.108(11)

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

1. Administrative Amendment.
   a. An administrative permit amendment is a permit revision that does any of the following:
i. Correct typographical errors
ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;
iii. Require more frequent monitoring or reporting by the permittee; or
iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittee has been submitted to the director.

b. The permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. The request shall be submitted to the director.

c. Administrative amendments to portions of permits containing provisions pursuant to Title IV of the Act shall be governed by regulations promulgated by the administrator under Title IV of the Act.

2. Minor Title V Permit Modification.
   a. Minor Title V permit modification procedures may be used only for those permit modifications that satisfy all of the following:
      i. Do not violate any applicable requirement;
      ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit;
      iii. Do not require or change a case by case determination of an emission limitation or other standard, or an increment analysis;
      iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act;
      v. Are not modifications under any provision of Title I of the Act; and
      vi. Are not required to be processed as significant modification under rule 567 - 22.113(455B).
   b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:
      i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
      ii. The permittee's suggested draft permit;
      iii. Certification by a responsible official, pursuant to 567 IAC 22.107(4), that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used; and
      iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 22.107(7).
   c. The permittee may make the change proposed in its minor permit modification application immediately after it files the application. After the permittee makes this change and until the director takes any of the actions specified in 567 IAC 22.112(4) "a"
to "c", the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time, the permittee need not comply with the existing permit terms and conditions it seeks to modify. However, if the permittee fails to comply with its proposed permit terms and conditions during this time period, the existing permit terms and conditions it seeks to modify may be enforced against the facility.

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

G19. Duty to Obtain Construction Permits
Unless exempted in 567 IAC 22.1(2) or to meet the parameters established in 567 IAC 22.1(1)"c", the permittee shall not construct, install, reconstruct or alter any equipment, control equipment or anaerobic lagoon without first obtaining a construction permit, or conditional permit, or permit pursuant to rule 567 IAC 22.8, or permits required pursuant to rules 567 IAC 22.4, 567 IAC 22.5, 567 IAC 31.3, and 567 IAC 33.3 as required in 567 IAC 22.1(1). A permit shall be obtained prior to the initiation of construction, installation or alteration of any portion of the stationary source or anaerobic lagoon. 567 IAC 22.1(1) and LCO Sec. 10-58

G20. Asbestos
The permittee shall comply with 567 IAC 23.1(3)"a", and 567 IAC 23.2(3)"g" when activities involve asbestos mills, surfacing of roadways, manufacturing operations, fabricating, insulating, waste disposal, spraying applications, demolition and renovation operations (567 IAC 23.1(3)"a"); training fires and controlled burning of a demolished building (567 IAC 23.2).

G21. Open Burning
The permittee is prohibited from conducting open burning, except as provided in LCO Sec. 10-63.

G22. Acid Rain (Title IV) Emissions Allowances
The permittee shall not exceed any allowances that it holds under Title IV of the Act or the regulations promulgated there under. Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners and operators of the unit or the designated representative of the owners and operators is prohibited. Exceedences of applicable emission rates are prohibited. "Held" in this context refers to both those allowances assigned to the owners and operators by USEPA, and those allowances supplementally acquired by the owners and operators. The use of any allowance prior to the year for which it was allocated is prohibited. Contravention of any other provision of the permit is prohibited. 567 IAC 22.108(7)

G23. Stratospheric Ozone and Climate Protection (Title VI) Requirements
1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.

b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.

c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.

d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.

2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:

a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.

b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.

c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.

d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)

e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.

f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.

3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.

4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant.

5. The permittee shall be allowed to switch from any ozone-depleting or greenhouse gas generating substances to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. 40 CFR part 82

G24. Permit Reopenings

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. 567 IAC 22.108(9)"c"

2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as
practicable, but not later than 18 months after the promulgation of such standards and regulations.

a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;

b. Reopening and revision on this ground is not required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to May 15, 2001.

c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. 567 IAC 22.108(17)"a", 567 IAC 22.108(17)"b"

3. A permit shall be reopened and revised under any of the following circumstances:

a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to July 21, 1992, provided that the reopening may be stayed pending judicial review of that determination;

b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;

c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.

d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. 567 IAC 22.114(1)

4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. 567 IAC 22.114(2)

5. A notice of intent shall be provided to the Title V source at least 30 days in advance of the date the permit is to be reopened, except that the director may provide a shorter time period in the case of an emergency. 567 IAC 22.114(3)

G25. Permit Shield

1. The director may expressly include in a Title V permit a provision stating that compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that:

a. Such applicable requirements are included and are specifically identified in the permit; or

b. The director, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the source, and the permit includes the determination or a concise summary thereof.
2. A Title V permit that does not expressly state that a permit shield exists shall be presumed not to provide such a shield.

3. A permit shield shall not alter or affect the following:
   a. The provisions of Section 303 of the Act (emergency orders), including the authority of the administrator under that section;
   b. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
   c. The applicable requirements of the acid rain program, consistent with Section 408(a) of the Act;
   d. The ability of the department or the administrator to obtain information from the facility pursuant to Section 114 of the Act. 567 IAC 22.108 (18)

G26. Severability
The provisions of this permit are severable and if any provision or application of any provision is found to be invalid by this department or a court of law, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected by such finding. 567 IAC 22.108 (8) and LCO Sec. 1-7

G27. Property Rights
The permit does not convey any property rights of any sort, or any exclusive privilege. 567 IAC 22.108 (9)"d"

G28. Transferability
This permit is not transferable from one source to another. If title to the facility or any part of it is transferred, an administrative amendment to the permit must be sought consistent with the requirements of 567 IAC 22.111(1). 567 IAC 22.111 (1)"d"

G29. Disclaimer
No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. 567 IAC 22.3(3)"c"

G30. Notification and Reporting Requirements for Stack Tests or Monitor Certification
The permittee shall notify the department's stack test contact in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor is performed to determine compliance with applicable requirements of 567 – Chapter 23 or a permit condition. Such notice shall include the time, the place, the name of the person who will conduct the test and other information as required by the department. Upon written request, the department may allow a notification period of less than 30 days. At the department's request, a pretest meeting shall be held not later than 15 days prior to conducting the compliance demonstration. A testing protocol shall be submitted to the department no later than 15 days before the owner or operator conducts the compliance demonstration. A representative of the department shall be permitted to witness the tests. Results of the tests shall be submitted in writing to the department's stack test contact in the form of a comprehensive report within six weeks of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which the source shall be operated. In cases where compliance is to be demonstrated at less than the maximum continuous output as rated by the equipment manufacturer, and it is the owner's intent to limit the capacity to that rating, the owner may submit evidence to the department that the source has been physically
altered so that capacity cannot be exceeded, or the department may require additional testing, continuous monitoring, reports of operating levels, or any other information deemed necessary by the department to determine whether such source is in compliance. Stack test notifications, reports and correspondence shall be sent to:

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

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

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

G31. Prevention of Air Pollution Emergency Episodes
The permittee shall comply with the provisions of 567 IAC Chapter 26 in the prevention of excessive build-up of air contaminants during air pollution episodes, thereby preventing the occurrence of an emergency due to the effects of these contaminants on the health of persons.

567 IAC 26.1(1)

G32. Contacts List
The current address and phone number for reports and notifications to the EPA administrator is:

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

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

Chief, Air Quality Bureau
Iowa Department of Natural Resources
Wallace State Office Building
502 E 9th St.
Des Moines, IA  50319-0034
(515) 725-8200

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

Linn County Public Health
Air Quality Branch
1240 26th Avenue Ct SW
Cedar Rapids, IA 52404
(319) 892-6000
V. Appendix A: Applicable Federal Requirements

New Source Performance Standards


40 CFR Part 60 Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units

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

40 CFR Part 60 Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

A listing of all the promulgated NSPS rules, EPA Region 7 staff contact information (for questions pertaining to the rule), compliance assistance links and a link to each NSPS can be found at the link below: https://www.epa.gov/CAA-permitting/new-source-performance-standards-region-7

National Emission Standards for Hazardous Air Pollutants


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