Iowa Department of Natural Resources
Title V Operating Permit

Name of Permitted Facility:  Green Plains Superior, LLC
Facility Location:  1495 320th Ave., Superior, IA 51363
Air Quality Operating Permit Number:  13-TV-005R1-M001
Expiration Date:  September 3, 2023
Permit Renewal Application Deadline: March 3, 2023

EIQ Number:  92-6954
Facility File Number:  30-08-002

Responsible Official
Name:  Mr. Tod Smith
Title:  Plant Manager
Mailing Address:  1495 320th Avenue, Superior, IA  51363
Phone #:  (712) 858-4666

Permit Contact Person for the Facility
Name:  Ms. Clare Ackroyd
Title:  EHSS Specialist
Mailing Address:  1495 320th Avenue, Superior, IA 51363
Phone #:  (712) 858-4666
cclare.ackroyd@gpreinc.com

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
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Abbreviations

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

Pollutants

PM..............................particulate matter
PM$_{10}$........................particulate matter 10 microns or less in diameter
PM$_{2.5}$........................particulate matter 2.5 microns or less in diameter
SO$_2$..........................sulfur dioxide
NO$_x$..........................nitrogen oxides
VOC..........................volatile organic compound
CO.............................carbon monoxide
HAP..........................hazardous air pollutant
## I. Facility Description and Equipment List

**Facility Name:** Green Plains Superior, LLC  
**Permit Number:** 13-TV-005R1-M001

**Facility Description:** Industrial Organic Chemicals/Ethanol Production (SIC 2869)

### Equipment List

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Number</th>
<th>Emission Unit Description</th>
<th>DNR Construction Permit Number</th>
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<td>EP-SV01</td>
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</table>
II. Plant-Wide Conditions

Facility Name: Green Plains Superior, LLC
Permit Number: 13-TV-005R1-M001

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

Permit Duration

The term of this permit is: Five Years from permit issuance
Commencing on: September 4, 2018
Ending on: September 3, 2023

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.

Emission Limits

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

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

Sulfur Dioxide (SO₂): 500 parts per million by volume
Authority for Requirement: 567 IAC 23.3(3)"e"

Particulate Matter:
No person shall cause or allow the emission of particulate matter from any source in excess of the emission standards specified in this chapter, except as provided in 567 – Chapter 24. For sources constructed, modified or reconstructed on or after July 21, 1999, the emission of particulate matter from any process shall not exceed an emission standard of 0.1 grain per dry standard cubic foot of exhaust gas, except as provided in 567 – 21.2(455B), 23.1(455B), 23.4(455B) and 567 – Chapter 24.
For sources constructed, modified or reconstructed prior to July 21, 1999, the emission of particulate matter from any process shall not exceed the amount determined from Table I, or amount specified in a permit if based on an emission standard of 0.1 grain per standard cubic foot of exhaust gas or established from standards provided in 23.1(455B) and 23.4(455B).
Authority for Requirement: 567 IAC 23.3(2)"a"
**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"

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**40 CFR 60 Subpart A Requirements**
See Appendix A for the link to the Standard.
Applicable requirements are incorporated in the Emission Point Specific conditions.
Authority for Requirements: 40 CFR 60 Subpart A
567 IAC 23.1(2)

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**40 CFR 60 Subpart Dc Requirements**
This facility is subject to Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units. The affected units are EP-SV11 and EP-SV12.
See Appendix A for the link to the Standard.
Authority for Requirements: 40 CFR 60 Subpart Dc
567 IAC 23.1(2)"lll"
40 CFR 60 Subpart Kb Requirements
Authority for Requirements: 40 CFR 60 Subpart Kb
567 IAC 23.1(2)'ddd"

40 CFR 60 Subpart VV Requirements
This facility is subject to Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for which Construction, Reconstruction, or Modification Commenced After January 5, 1981, and on or Before November 7, 2006. See EU FS05: VOC Emissions from Equipment Leaks.
See Appendix A for the link to the Standard.
Authority for Requirements: 40 CFR 60 Subpart VV
567 IAC 23.1(2)'nn"

40 CFR 60 Subpart IIII Requirements
This facility is subject to Standards of Performance for Stationary Compression Ignition Internal Combustion [40 CFR Part 60 Subpart IIII]. The affected unit is EP-SV15. See Appendix A for the link to the Standard.
Authority for Requirements: 40 CFR 60 Subpart IIII
567 IAC 23.1(2)'yyyy"

40 CFR 63 Subpart ZZZZ Requirements
This facility is subject to National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines (RICE NESHAP) [40 CFR Part 63 Subpart ZZZZ]. The affected unit is EP-SV15. See Appendix A for the link to the Standard.
Authority for Requirements: 40 CFR 63 Subpart ZZZZ
567 IAC 23.1(4)'cz"
III. Emission Point-Specific Conditions

Facility Name: Green Plains LLC – Superior
Permit Number: 13-TV-005R1-M001

Emission Point ID Number: EP-SV01

Associated Equipment

Associated Emission Unit ID Numbers: See the table below

Emissions Control Equipment ID Number: CE-C01
Emissions Control Equipment Description: Baghouse

<table>
<thead>
<tr>
<th>EP</th>
<th>EU</th>
<th>Emission Unit Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
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<td>EU-01</td>
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<td>EU-02</td>
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<td>Corn Conveyor #5</td>
<td>Grain</td>
<td>20,000 bu/hr</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.

Pollutant: Opacity
Emission Limit(s): 40% \(^{\dagger}\)
Authority for Requirement: 567 IAC 23.3(2)"d"

\(^{\dagger}\)An exceedance of the indicator opacity of ‘No Visible Emissions’ will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the Department may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.60 lb/hr; 7.04 ton/yr \(^{\ddagger}\); 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.4(7)

\(^{\ddagger}\)This limit applies to grain receiving and includes emissions from EP SV01 and uncaptured emissions from grain receiving, assuming 20% of emissions are not captured. The uncaptured emissions compliance demonstration methodology is specified as an operating limit.
Operating Requirements with Associated Monitoring and Recordkeeping

The owner/operator of this equipment shall comply with the operational limits and requirements listed below. All records shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. These records shall demonstrate compliance with all applicable operating limits. Records shall be legible and maintained in an orderly manner.

A. The facility shall not receive more than 22.5 million bushels of grain in any rolling 12-month period. The owner or operator shall:
   i. On a monthly basis, record the total amount grain received at the facility, in bushels; and
   ii. On a monthly basis, calculate and record the rolling 12-month total, in bushels.

B. The owner or operator shall maintain the Baghouse (CE C01) according to the manufacturer’s specifications and maintenance schedule. The owner or operator shall maintain a log of all maintenance and inspection activities performed on the Baghouse (CE C01). This log shall include, but is not necessarily limited to:
   i. The date and time any inspection and/or maintenance was performed on the Baghouse (CE C01);
   ii. Any issues identified during the inspection and the date each issue was resolved;
   iii. Any issues addressed during the maintenance activities and the date each issue was resolved; and
   iv. Identification of the staff member performing the maintenance or inspection.

Authority for Requirement: DNR Construction Permit 06-A-459-S2

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 65
Stack Opening, (inches, dia.): 17.7
Exhaust Flow Rate (scfm): 9,600
Exhaust Temperature (°F): Ambient
Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 06-A-459-S2

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

Agency Approved Operation & Maintenance Plan Required?  Yes [ ]  No [x]  
Facility Maintained Operation & Maintenance Plan Required?  Yes [x]  No [ ]  
Compliance Assurance Monitoring (CAM) Plan Required?  Yes [x]  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 must 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: EP-SV02**

**Associated Equipment**

Associated Emission Unit ID Numbers: EU-08  
Emissions Control Equipment ID Number: CE-C02  
Emissions Control Equipment Description: Spot Filter

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Emission Unit vented through this Emission Point: EU-08  
Emission Unit Description: Corn Bin #1  
Raw Material/Fuel: Corn  
Rated Capacity: 262,700 Bushels Capacity

---

**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): 40% \(^{(1)}\)  
Authority for Requirement:  
DNR Construction Permit 06-A-460-S1  
567 IAC 23.3(2)"d"

\(^{(1)}\) An exceedance of the indicator opacity of 10% 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, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM\(_{10}\))  
Emission Limit(s): 0.03 lb/hr  
Authority for Requirement:  
DNR Construction Permit 06-A-460-S1

Pollutant: Particulate Matter (PM)  
Emission Limit(s): 0.03 lb/hr; 0.1 gr/dscf  
Authority for Requirement:  
DNR Construction Permit 06-A-460-S1  
567 IAC 23.4(7)

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

**Operating Limits**  
A. The owner or operator shall inspect and maintain the control equipment according to manufacturer's specifications.
Reporting 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 DNR. Records shall be legible and maintained in an orderly manner.

A. The owner or operator shall keep a log of all inspection and maintenance activities that are undertaken on the control equipment associated with this emission point. This log shall include, but not necessarily be limited to:
   i. Date and time the activity took place;
   ii. Description of any issues identified during an inspection or addressed by maintenance activities;
   iii. Identification of staff members participating.

Authority for Requirement: DNR Construction Permit 06-A-460-S1

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 92
Stack Opening: There are 10 vents with total area of 125 square feet
Exhaust Flow Rate (scfm): Various*
Exhaust Temperature (°F): Ambient
Discharge Style: Vertical Obstructed

Authority for Requirement: DNR Construction Permit 06-A-460-S1

*The air flow from this unit is the air displaced by the introduction of grain into the bin.

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

Monitoring Requirements

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

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

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: EP-SV05

Associated Equipment

Associated Emission Unit ID Numbers: see the table below
Emissions Control Equipment ID Number: CE-C05
Emissions Control Equipment Description: Baghouse

<table>
<thead>
<tr>
<th>EP</th>
<th>EU</th>
<th>Emission Unit Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP-SV05</td>
<td>EU-07</td>
<td>Scalper</td>
<td>Grain</td>
<td>10,000 Bushel/hr</td>
</tr>
<tr>
<td></td>
<td>EU-10</td>
<td>Surge Bin</td>
<td>Grain</td>
<td>10,000 Bushels</td>
</tr>
<tr>
<td></td>
<td>EU-12</td>
<td>Hammermill #1</td>
<td>Grain</td>
<td>1,400 Bushel/hr</td>
</tr>
<tr>
<td></td>
<td>EU-13</td>
<td>Hammermill #2</td>
<td>Grain</td>
<td>1,400 Bushel/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.

Pollutant: Opacity
Emission Limit(s): 40% (1)
Authority for Requirement: DNR Construction Permit 06-A-463-S2
567 IAC 23.3(2)"d"

(1) An exceedance of the indicator opacity of 10% 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, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM$_{10}$)
Emission Limit(s): 0.34 lb/hr
Authority for Requirement: DNR Construction Permit 06-A-463-S2

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.34 lb/hr; 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 06-A-463-S2
567 IAC 23.4(7)

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

Operating Limits
A. The owner or operator shall inspect and maintain the control equipment according to manufacturer's specifications.
Reporting 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 DNR. Records shall be legible and maintained in an orderly manner.

A. The owner or operator shall keep a log of all inspection and maintenance activities that are undertaken on the control equipment associated with this emission point. This log shall include, but not necessarily be limited to:
   i. Date and time the activity took place;
   ii. Description of any issues identified during an inspection or addressed by maintenance activities;
   iii. Identification of staff members participating.

Authority for Requirement: DNR Construction Permit 06-A-463-S2

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 60
Stack Opening, (inches, dia.): 18
Exhaust Flow Rate (scfm): 9,640
Exhaust Temperature (°F): Ambient
Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 06-A-463-S2

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

Monitoring Requirements

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

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

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 must 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: EP-SV07**

**Associated Equipment**

Associated Emission Unit ID Numbers: See the table below  
Emissions Control Equipment ID Number: CE-C07  
Emissions Control Equipment Description: CO₂ Packed Bed Scrubber

<table>
<thead>
<tr>
<th>EP</th>
<th>EU</th>
<th>Emission Unit Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP-SV07</td>
<td>EU-17</td>
<td>Fermenter #1</td>
<td>Undistilled Beer</td>
<td>580,200 gallons</td>
</tr>
<tr>
<td></td>
<td>EU-18</td>
<td>Fermenter #2</td>
<td>Undistilled Beer</td>
<td>580,200 gallons</td>
</tr>
<tr>
<td></td>
<td>EU-19</td>
<td>Fermenter #3</td>
<td>Undistilled Beer</td>
<td>580,200 gallons</td>
</tr>
<tr>
<td></td>
<td>EU-20</td>
<td>Beerwell</td>
<td>Undistilled Beer</td>
<td>729,400 gallons</td>
</tr>
<tr>
<td></td>
<td>EU-43</td>
<td>Fermenter #4</td>
<td>Undistilled Beer</td>
<td>580,200 gallons</td>
</tr>
<tr>
<td></td>
<td>EU-51</td>
<td>Beer Degas System</td>
<td>Undistilled Beer</td>
<td>5,000 gallons</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.

Pollutant: Opacity  
Emission Limit(s): 40% (1)  
Authority for Requirement: DNR Construction Permit 06-A-465-S5  
567 IAC 23.3(2)"d"  

(1) An exceedance of the indicator opacity 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, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM)  
Emission Limit(s): 0.40 lb/hr (2); 0.1 gr/dscf  
Authority for Requirement: DNR Construction Permit 06-A-465-S5  
567 IAC 23.4(7)  

(2) This emission limit also applies to PM₁₀ and PM₂.₅.

Pollutant: Volatile Organic Compounds (VOC)  
Emission Limit(s): 15.00 lb/hr  
Authority for Requirement: DNR Construction Permit 06-A-465-S5

Pollutant: Single HAP  
Emission Limit(s): 1.00 lb/hr  
Authority for Requirement: DNR Construction Permit 06-A-465-S5

Pollutant: Total HAP  
Emission Limit(s): 1.50 lb/hr  
Authority for Requirement: DNR Construction Permit 06-A-465-S5
Operating Requirements with Associated Monitoring and Recordkeeping

The owner/operator of this equipment shall comply with the operational limits and requirements listed below. All records shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. These records shall demonstrate compliance with all applicable operating limits. Records shall be legible and maintained in an orderly manner.

Control Equipment Requirements

A. The owner or operator shall operate CO2 Packed Bed Scrubber C07 at all times any of the equipment described in the Emission Unit Table of this Title V permit is in operation.
   i. The owner or operator shall operate the scrubber until the fermentation cycles have been completed during plant shutdown.

B. The owner or operator shall maintain a 3-hour average differential pressure drop across CO2 Packed Bed Scrubber C07 between 1.0 and 12.0 of water column (as specified by the manufacturer). This requirement shall not apply when the fermentation process is not in operation.
   i. The owner or operator shall install, operate, and maintain equipment necessary to continuously monitor the pressure drop (in inches of water column) across the scrubber. This equipment shall be installed, operated, and maintained in accordance with the manufacturer’s specifications and/or the facility’s operation and maintenance plan.
   ii. The owner or operator shall collect and record the pressure drop (in inches of water column) across the scrubber at a minimum of once every 15 minutes and calculate and record the 3-hour average differential pressure drop for the scrubber. The 3-hour average differential pressure drop for the scrubber controlling emissions shall be calculated using all data points collected during the averaging period.
   iii. If any of the differential pressure drop (in inches of water column) 3-hour averages across the scrubber falls outside the required range, the owner or operator shall record the time, date, and actions taken to correct the situation and shall record when the average differential pressure drop is back within the required range.

C. The owner or operator shall maintain a 3-hour average total water flow rate (in gallons per minute) to the scrubber at or above the average rate observed during the most recent stack test that demonstrated compliance with all applicable emission limitations. This requirement shall not apply when the fermentation process is not in operation.
   i. The owner or operator shall install, operate, and maintain equipment necessary to continuously monitor the total water flow rate (in gallons per minute) to the scrubber. This equipment shall be installed, operated, and maintained in accordance with the manufacturer’s specifications and/or the facility’s operation and maintenance plan.
   ii. The owner or operator shall collect and record the total water flow rate (in gallons per minute) to the scrubber at a minimum of once every 15 minutes and calculate and record the 3-hour average total water flow rate to the scrubber. The 3-hour average total water flow rate to the scrubber shall be calculated using all data points collected during the averaging period.
   iii. If any of the total water flow rate (in gallons per minute) 3-hour averages to the scrubber falls below the minimum required value, the owner or operator shall record the time, date, and actions taken to correct the situation and shall record
when the average total water flow rate is back at or above the minimum required value.

iv. Use of a lower total water flow rate requires the owner or operator to first obtain a variance to test the lower total water flow rate. The owner or operator shall submit the test results to the Department for review and approval. Once approved, the owner or operator shall be allowed to use the lower total water flow rate.

D. The owner or operator shall maintain a 3-hour average additive feed rate (in milliliters per minute) to the scrubber at or above the average rate observed during the most recent stack test that demonstrated compliance with all applicable emission limitations. This requirement shall not apply when the fermentation process is not in operation.

i. The owner or operator shall install, operate, and maintain equipment necessary to continuously monitor the additive feed rate (in milliliters per minute) to the scrubber. This equipment shall be installed, operated, and maintained in accordance with the manufacturer’s specifications and/or the facility’s operation and maintenance plan.

ii. The owner or operator shall collect and record the additive feed rate (in milliliters per minute) to the scrubber at a minimum of once every 15 minutes and calculate and record the 3-hour average additive feed rate to the scrubber. The 3-hour average additive feed rate to the scrubber shall be calculated using all data points collected during the averaging period.

iii. If any of the additive feed rate (in milliliters per minute) 3-hour averages to the scrubber falls below the minimum required value, the owner or operator shall record the time, date, and actions taken to correct the situation and shall record when the average additive feed rate is back at or above the minimum required value.

iv. Use of a different additive and/or use of a lower additive feed rate requires the owner or operator to first obtain a variance to test the new additive and/or the lower additive feed rate. The owner or operator shall submit the test results to the Department for review and approval. Once approved, the owner or operator shall be allowed to use the new additive and/or the lower additive feed rate.

E. The owner or operator shall maintain on-site a copy of the most recent stack test that demonstrated compliance with all applicable emission limitations. At a minimum, this report shall include:

i. The emission rates (in pounds per hour) observed during the testing;

ii. The average differential pressure drop (in inches of water column) across each scrubber observed during the testing;

iii. The average water feed rate (in gallons per minute) into each scrubber during the testing;

iv. The type of additive used during the testing;

v. The average additive feed rate (in milliliters per minute) into each scrubber during the testing; and

vi. The average beer feed rate (in gallons per minute) observed during the testing.

F. The owner or operator shall inspect and maintain the control equipment according to the manufacturer’s specifications and/or the facility’s (Plant No. 30-08-002) operation and maintenance plan.

i. The owner or operator shall keep a log of all maintenance and inspection activities performed on the control equipment. At a minimum, this log shall include the
following:

1. The date that any inspection and/or maintenance was performed on the control equipment;
2. Any issues identified during inspection and the date each issue was resolved;
3. Any issues addressed during the maintenance activities and the date each issue was resolved; and
4. Identification of the staff member performing the maintenance or inspection.

Authority for Requirement: DNR Construction Permit 06-A-465-S5

Emission Point Characteristics

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

Stack Height, (ft, from the ground): 68
Stack Opening, (inches, dia.): 23.5
Exhaust Flow Rate (scfm): 6,870
Exhaust Temperature (°F): 68
Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 06-A-465-S5

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

Monitoring Requirements

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

**Stack Testing:**

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Frequency</th>
<th>Test Run Time</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOC (1)</td>
<td>Once every 3 Years</td>
<td>1 hour</td>
<td>40 CFR 63, Appendix A, Method 320 or 40 CFR 60, Appendix A, Method 18</td>
</tr>
<tr>
<td>HAP (2)(3)</td>
<td>Once every 3 Years</td>
<td>1 hour</td>
<td>40 CFR 63, Appendix A, Method 320 or 40 CFR 60, Appendix A, Method 18</td>
</tr>
</tbody>
</table>

(1) VOC periodic testing to demonstrate compliance with the emission limits under Applicable Requirements of this Title V permit shall be completed once every three years in June, July, or August and it shall be conducted while all affected equipment is operating in a worst-case scenario, e.g., highest production rate, highest exhaust flow rate, etc. If any test exceeds 90% of the VOC emission limit, testing shall revert back to annual until 2 consecutive tests demonstrate VOC emissions that are less than 90% of the emission limit. The most recent VOC stack test on EP-SV07 was conducted on July 20, 2016; therefore, the next VOC testing shall be conducted in June, July, or August of Year 2019.
(2) HAP periodic testing to demonstrate compliance with the emission limits. Applicable Requirements of this Title V shall be completed once every three years in June, July, or August and it shall be conducted while all affected equipment is operating in a worst-case scenario, e.g., highest production rate, highest exhaust flow rate, etc. If test exceeds 90% of the HAP emission limits, testing shall revert back to annual until 2 consecutive tests demonstrate HAP emissions that are less than 90% of the emission limit. The most recent HAP stack test on EP-SV07 was conducted on August 8, 2018; therefore, the next HAP testing shall be conducted by no later than June, July, or August of Year 2021. (3) Acetaldehyde, acrolein, formaldehyde, and methanol shall be tested for specifically. The specified HAP that tests below the detection limit shall be assumed to be emitting at a rate equal to the detection limit.

Authority for Requirement:  DNR Construction Permit 06-A-465-S5

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)

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

Compliance with the Operating Requirements with Associated Monitoring and Recordkeeping fulfills the CAM requirements. A separate CAM plan for the CO₂ Packed Bed Wet Scrubber (CE-C07) is not required.

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: EP-SV08

Associated Equipment

Associated Emission Unit ID Numbers: See the table below

Emissions Control Equipment ID Number: CE-C08

Emissions Control Equipment Description: Vent Gas Packed Bed Scrubber

<table>
<thead>
<tr>
<th>EP</th>
<th>EU</th>
<th>Emission Unit Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>EU-14</td>
<td>Slurry Tank</td>
<td>Mash</td>
<td>14,160 gallons</td>
</tr>
<tr>
<td></td>
<td>EU-15</td>
<td>Liquefaction Tank</td>
<td>Mash</td>
<td>176,060 gallons</td>
</tr>
<tr>
<td></td>
<td>EU-16</td>
<td>Yeast Tank</td>
<td>Yeast</td>
<td>146,000 gallons</td>
</tr>
<tr>
<td></td>
<td>EU-21</td>
<td>Beer Stripper</td>
<td>Undistilled Beer</td>
<td>706 gpm</td>
</tr>
<tr>
<td></td>
<td>EU-22</td>
<td>Side Stripper</td>
<td>Undistilled Beer</td>
<td>165 gpm</td>
</tr>
<tr>
<td></td>
<td>EU-23</td>
<td>Rectifier Column</td>
<td>Ethanol</td>
<td>240 gpm</td>
</tr>
<tr>
<td></td>
<td>EU-24</td>
<td>Molecular Sieves 1 &amp; 2</td>
<td>Ethanol</td>
<td>94 gpm</td>
</tr>
<tr>
<td></td>
<td>EU-25</td>
<td>Evaporator</td>
<td>Stillage</td>
<td>2,619 gpm</td>
</tr>
<tr>
<td></td>
<td>EU-26</td>
<td>Whole Stillage Tank</td>
<td>Stillage</td>
<td>237,237 gallons</td>
</tr>
<tr>
<td></td>
<td>EU-27</td>
<td>Centrate Stillage Tank</td>
<td>Stillage</td>
<td>137,736 gallons</td>
</tr>
<tr>
<td></td>
<td>EU-28</td>
<td>Centrifuge #1</td>
<td>Stillage</td>
<td>135 gpm</td>
</tr>
<tr>
<td></td>
<td>EU-29</td>
<td>Centrifuge #2</td>
<td>Stillage</td>
<td>135 gpm</td>
</tr>
<tr>
<td></td>
<td>EU-30</td>
<td>Centrifuge #3</td>
<td>Stillage</td>
<td>135 gpm</td>
</tr>
<tr>
<td></td>
<td>EU-31</td>
<td>Centrifuge #4</td>
<td>Stillage</td>
<td>135 gpm</td>
</tr>
<tr>
<td></td>
<td>EU-32</td>
<td>Syrup Tank</td>
<td>Syrup</td>
<td>120,855 gallons</td>
</tr>
<tr>
<td></td>
<td>EU-38</td>
<td>200 Proof Condenser</td>
<td>Ethanol</td>
<td>116 gpm</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.

Pollutant: Opacity
Emission Limit(s): 40% (1)
Authority for Requirement: DNR Construction Permit 06-A-466-S5
567 IAC 23.3(2)"d"

(1) An exceedance of the indicator opacity 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, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM10)
Emission Limit(s): 0.04 lb/hr (2)
Authority for Requirement: DNR Construction Permit 06-A-466-S5

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.04 lb/hr (2); 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 06-A-466-S5
567 IAC 23.4(7)

(2) This emission limit applies to PM, PM10, and PM2.5.
Pollutant: Volatile Organic Compounds (VOC)  
Emission Limit(s): 5.0 lb/hr  
Authority for Requirement: DNR Construction Permit 06-A-466-S5

Pollutant: Single HAP  
Emission Limit(s): 0.55 lb/hr  
Authority for Requirement: DNR Construction Permit 06-A-466-S5

Pollutant: Total HAP  
Emission Limit(s): 1.0 lb/hr  
Authority for Requirement: DNR Construction Permit 06-A-466-S5

**Operating Requirements with Associated Monitoring and Recordkeeping**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below. All records shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. These records shall demonstrate compliance with all applicable operating limits. Records shall be legible and maintained in an orderly manner.*

**Control Equipment Requirements**

A. The owner or operator shall operate Vent Gas Packed Bed Scrubber C08 at all times any of the equipment described in the Emission Unit Table of this permit is in operation.

B. The owner or operator shall maintain a 3-hour average differential pressure drop across Vent Gas Packed Bed Scrubber C08 between 0.1 and 5.0 of water column (as specified by the manufacturer). This requirement shall not apply when the distillation process is not in operation.

   i. The owner or operator shall install, operate, and maintain equipment necessary to continuously monitor the pressure drop (in inches of water column) across the scrubber. This equipment shall be installed, operated, and maintained in accordance with the manufacturer’s specifications and/or the facility’s operation and maintenance plan.

   ii. The owner or operator shall collect and record the pressure drop (in inches of water column) across the scrubber at a minimum of once every 15 minutes and calculate and record the 3-hour average differential pressure drop for the scrubber. The 3-hour average differential pressure drop for the scrubber controlling emissions shall be calculated using all data points collected during the averaging period.

   iii. If any of the differential pressure drop (in inches of water column) 3-hour averages across the scrubber falls outside the required range, the owner or operator shall record the time, date, and actions taken to correct the situation and shall record when the average differential pressure drop is back within the required range.

C. The owner or operator shall maintain a 3-hour average total water flow rate (in gallons per minute) to the scrubber at or above the average rate observed during the most recent stack test that demonstrated compliance with all applicable emission limitations. This requirement shall not apply when the fermentation process is not in operation.

   i. The owner or operator shall install, operate, and maintain equipment necessary to continuously monitor the total water flow rate (in gallons per minute) to the scrubber. This equipment shall be installed, operated, and maintained in accordance with the manufacturer’s specifications and/or the facility’s operation
and maintenance plan.

ii. The owner or operator shall collect and record the total water flow rate (in gallons per minute) to the scrubber at a minimum of once every 15 minutes and calculate and record the 3-hour average total water flow rate to the scrubber. The 3-hour average total water flow rate to the scrubber shall be calculated using all data points collected during the averaging period.

iii. If any of the total water flow rate (in gallons per minute) 3-hour averages to the scrubber falls below the minimum required value, the owner or operator shall record the time, date, and actions taken to correct the situation and shall record when the average total water flow rate is back at or above the minimum required value.

iv. Use of a lower total water flow rate requires the owner or operator to first obtain a variance to test the lower total water flow rate. The owner or operator shall submit the test results to the Department for review and approval. Once approved, the owner or operator shall be allowed to use the lower total water flow rate.

D. The owner or operator shall maintain a 3-hour average additive feed rate (in milliliters per minute) to the scrubber at or above the average rate observed during the most recent stack test that demonstrated compliance with all applicable emission limitations. This requirement shall not apply when the fermentation process is not in operation.

i. The owner or operator shall install, operate, and maintain equipment necessary to continuously monitor the additive feed rate (in milliliters per minute) to the scrubber. This equipment shall be installed, operated, and maintained in accordance with the manufacturer’s specifications and/or the facility’s operation and maintenance plan.

ii. The owner or operator shall collect and record the additive feed rate (in milliliters per minute) to the scrubber at a minimum of once every 15 minutes and calculate and record the 3-hour average additive feed rated to the scrubber. The 3-hour average additive feed rated to the scrubber shall be calculated using all data points collected during the averaging period.

iii. If any of the additive feed rate (in milliliters per minute) 3-hour averages to the scrubber falls below the minimum required value, the owner or operator shall record the time, date, and actions taken to correct the situation and shall record when the average additive feed rate is back at or above the minimum required value.

iv. Use of a different additive and/or use of a lower additive feed rate requires the owner or operator to first obtain a variance to test the new additive and/or the lower additive feed rate. The owner or operator shall submit the test results to the Department for review and approval. Once approved, the owner or operator shall be allowed to use the new additive and/or the lower additive feed rate.

E. The owner or operator shall maintain on-site a copy of the most recent stack test that demonstrated compliance with all applicable emission limitations. At a minimum, this report shall include:

i. The emission rates (in pounds per hour) observed during the testing;

ii. The average differential pressure drop (in inches of water column) across each scrubber observed during the testing;

iii. The average water feed rate (in gallons per minute) into each scrubber during the testing;
iv. The type of additive used during the testing;
v. The average additive feed rate (in milliliters per minute) into each scrubber during the testing; and
vi. The average beer feed rate (in gallons per minute) observed during the testing.

F. The owner or operator shall inspect and maintain the control equipment according to the manufacturer’s specifications and/or the facility’s (Plant No. 30-08-002) operation and maintenance plan.

ii. The owner or operator shall keep a log of all maintenance and inspection activities performed on the control equipment. At a minimum, this log shall include the following:
   1. The date that any inspection and/or maintenance was performed on the control equipment;
   2. Any issues identified during inspection and the date each issue was resolved;
   3. Any issues addressed during the maintenance activities and the date each issue was resolved; and
   4. Identification of the staff member performing the maintenance or inspection.

Authority for Requirement: DNR Construction Permit 06-A-466-S5

**Emission Point Characteristics**

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

Stack Height, (ft, from the ground): 65
Stack Opening, (inches, dia.): 15
Exhaust Flow Rate (scfm): 1,400
Exhaust Temperature (°F): 68
Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 06-A-466-S5

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

Stack Testing:

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Frequency</th>
<th>Test Run Time</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOC (1)</td>
<td>Once every 3 years</td>
<td>1 hour</td>
<td>40 CFR 63, Appendix A, Method 320 or</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>40 CFR 60, Appendix A, Method 18</td>
</tr>
<tr>
<td>HAP (2)(3)</td>
<td>Once every 3 years</td>
<td>1 hour</td>
<td>40 CFR 63, Appendix A, Method 320 or</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>40 CFR 60, Appendix A, Method 18</td>
</tr>
</tbody>
</table>

(1) VOC periodic testing to demonstrate compliance with the emission limits under Applicable Requirements of this Title V permit shall be completed once every three years in June, July, or August and it shall be conducted while all affected equipment is operating in a worst-case scenario, e.g., highest production rate, highest exhaust flow rate, etc. If any test exceeds 90% of the VOC emission limit, testing shall revert back to annual until 2 consecutive tests demonstrate VOC emissions that are less than 90% of the emission limit. The most recent VOC stack test on EP-SV08 was conducted on November 30, 2016; therefore, the next VOC testing shall be conducted in June, July, or August of Year 2019.

(2) HAP periodic testing to demonstrate compliance with the emission limits under Applicable Requirements of this Title V permit shall be completed once every three years in June, July, or August and it shall be conducted while all affected equipment is operating in a worst-case scenario, e.g., highest production rate, highest exhaust flow rate, etc. If test exceeds 90% of the HAP emission limits, testing shall revert back to annual until 2 consecutive tests demonstrate HAP emissions that are less than 90% of the emission limit. The most recent HAP stack test on EP-SV08 was conducted on August 8, 2018; therefore, the next HAP testing shall be conducted by no later than June, July, or August of Year 2021.

(3) Acetaldehyde, acrolein, formaldehyde, and methanol shall be tested for specifically. The specified HAP that tests below the detection limit shall be assumed to be emitting at a rate equal to the detection limit.

Authority for Requirement: DNR Construction Permit 06-A-466-S5

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)

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

Compliance with the Operating Requirements with Associated Monitoring and Recordkeeping fulfills the CAM requirements. A separate CAM plan for the Vent Gas Packed Bed Wet Scrubber (CE-C08) is not required.

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: EP-SV09

Associated Equipment

<table>
<thead>
<tr>
<th>EP</th>
<th>EU</th>
<th>EU Description</th>
<th>Control Equipment</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP-SV09</td>
<td>EU-33</td>
<td>DDGS Dryer</td>
<td>Multiclones (CE-C09)</td>
<td>Natural Gas</td>
<td>95 MMBtu/hr</td>
</tr>
<tr>
<td></td>
<td>EU-34</td>
<td>DDGS Cooler</td>
<td>Baghouse (CE-C13)</td>
<td>DDGS</td>
<td>23 ton/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.

Pollutant: Opacity
Emission Limit(s): 40% (1)
Authority for Requirement: DNR Construction Permit 06-A-467-S5
567 IAC 23.3(2)"d"

(1) An exceedance of the indicator opacity of "10%" 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, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM\textsubscript{10})
Emission Limit(s): 7.5 lb/hr (2)
Authority for Requirement: DNR Construction Permit 06-A-467-S5

Pollutant: Particulate Matter (PM)
Emission Limit(s): 7.5 lb/hr (2); 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 06-A-467-S5
567 IAC 23.4(7)

(2) This emission limit applies to PM, PM\textsubscript{10}, and PM\textsubscript{2.5}.

Pollutant: Sulfur Dioxide (SO\textsubscript{2})
Emission Limit(s): 7.06 lb/hr; 500ppmv
Authority for Requirement: DNR Construction Permit 06-A-467-S5
567 IAC 23.3(3)"e"

Pollutant: Nitrogen Oxides (NO\textsubscript{x})
Emission Limit(s): 15.0 lb/hr
Authority for Requirement: DNR Construction Permit 06-A-467-S5

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 15.0 lb/hr
Authority for Requirement: DNR Construction Permit 06-A-467-S5
Pollutant: Carbon Monoxide (CO)  
Emission Limit(s): 20.0 lb/hr  
Authority for Requirement: DNR Construction Permit 06-A-467-S5

Pollutant: Single HAP  
Emission Limit(s): 0.50 lb/hr  
Authority for Requirement: DNR Construction Permit 06-A-467-S5

Pollutant: Total HAP  
Emission Limit(s): 1.60 lb/hr  
Authority for Requirement: DNR Construction Permit 06-A-467-S5

**Operating Requirements with Associated Monitoring and Recordkeeping**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below. All records shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. These records shall demonstrate compliance with all applicable operating limits. Records shall be legible and maintained in an orderly manner.*

**Equipment Operation Requirements**

A. The DDGS Dryer (EU-33) and RTO C10 shall combust only natural gas and/or process off-gases.

B. RTO C10 shall be operated at all times that the DDGS Dryer (EU-33) is in operation.

C. The exhaust stream from the DDGS Cooler (EU-34) may vent through Emission Point SV18 when RTO C10 is unexpectedly offline.

D. RTO C10 operating temperature, measured as a 3-hour average, shall be maintained at no less than 50 degrees Fahrenheit below the average temperature recorded during the most recent stack test that demonstrated compliance with all applicable emission limitations.
   i. The owner or operator shall retain the most recent stack test for RTO C10 that demonstrated compliance with all applicable emission limitations.
   ii. The owner or operator shall document the average temperature of RTO C10 recorded during the most recent stack test that demonstrated compliance with all applicable emission limitations.
   iii. The owner or operator shall determine the minimum operating temperature of RTO C10 as follows:
      i. Minimum Operating Temperature = Average temperature recorded during the most recent stack test that demonstrated compliance with all applicable emission limitations – 50°F
   iv. The owner or operator shall collect and record the operating temperature, in degrees Fahrenheit, of RTO C10 at a minimum of once every 15 minutes.
   v. The owner or operator shall calculate and record the operating temperature 3-hour averages, in degrees Fahrenheit, of RTO C10.
      i. If any operating temperature 3-hour average does not comply with the minimum operating temperature, the owner or operator shall investigate and make any necessary corrections.

E. The owner or operator shall maintain records of the frequency and amount of time that RTO C10 malfunctions and shall estimate and record the emissions emitted during said malfunctions. All excess emission reporting shall be conducted in accordance with General
Control Equipment Requirements

F. The owner or operator shall inspect and maintain the Multiclones (CE-C09), the RTO (CE-C10), and the Baghouse (CE-C13) according to the manufacturer’s specifications and/or the facility’s (Plant No. 30-08-002) operation and maintenance plan.

i. The owner or operator shall keep a log of all maintenance and inspection activities performed on the control equipment. At a minimum, this log shall include:

1. The date that any inspection and/or maintenance was performed on the control equipment;
2. Any issues identified during inspection and the date each issue was resolved;
3. Any issues addressed during the maintenance activities and the date each issue was resolved;
4. Any actions taken to correct the RTO operating temperature malfunctions; and
5. Identification of the staff member performing the maintenance or inspection.

Authority for Requirement: DNR Construction Permit 06-A-467-S5

Emission Point Characteristics

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

Stack Height, (ft, from the ground): 91
Stack Opening, (inches, dia.): 66
Exhaust Flow Rate (scfm): 63,600
Exhaust Temperature (°F): 375
Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 06-A-467-S5

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

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

Stack Testing:

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Frequency</th>
<th>Test Run Time</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOC (1)</td>
<td>Once every 3 years</td>
<td>1 hour</td>
<td>40 CFR 63, Appendix A, Method 320 or 40 CFR 60, Appendix A, Method 18</td>
</tr>
<tr>
<td>HAP (2)(3)</td>
<td>Once every 3 years</td>
<td>1 hour</td>
<td>40 CFR 63, Appendix A, Method 320 or 40 CFR 60, Appendix A, Method 18</td>
</tr>
</tbody>
</table>

(1) VOC periodic testing to demonstrate compliance with the emission limits under Applicable Requirements of this Title V permit shall be completed once every three years in June, July, or August and it shall be conducted while all affected equipment is operating in a worst-case scenario, e.g., highest production rate, highest exhaust flow rate, etc. If any test exceeds 90% of the VOC emission limit, testing shall revert back to annual until 2 consecutive tests demonstrate VOC emissions that are less than 90% of the emission limit. The most recent VOC stack test on EP-SV09 was conducted on June 15, 2016; therefore, the next VOC testing shall be conducted in June, July, or August of Year 2019.

(2) HAP periodic testing to demonstrate compliance with the emission limits under Applicable Requirements of this Title V permit shall be completed once every three years in June, July, or August and it shall be conducted while all affected equipment is operating in a worst-case scenario, e.g., highest production rate, highest exhaust flow rate, etc. If test exceeds 90% of the HAP emission limits, testing shall revert back to annual until 2 consecutive tests demonstrate HAP emissions that are less than 90% of the emission limit. The most recent HAP stack test on EP-SV09 was conducted on August 7, 2018; therefore, the next HAP testing shall be conducted by no later than June, July, or August of Year 2021.

(3) Acetaldehyde, acrolein, formaldehyde, and methanol shall be tested for specifically. The specified HAP that tests below the detection limit shall be assumed to be emitting at a rate equal to the detection limit.

Authority for Requirement:   DNR Construction Permit 06-A-467-S5

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

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

Required for the muticlones (CE-C09) only

A facility operation and maintenance plan for multiclones (CE-C09) 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.

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

Compliance with the Operating Requirements with Associated Monitoring and Recordkeeping fulfills the CAM requirements. A separate CAM plan for the Regenerative Thermal Oxidizer (CE-C10) is not required.

CAM Plan is required for the baghouse (CE-13).

Authority for Requirement: 567 IAC 22.108(3)
Compliance Assurance Monitoring Plan for Green Plains Superior, LLC
Facility located in Superior, Iowa

EP SV09/SV18 – DDGS Cooler Baghouse

I. **Background**

A. **Emissions Unit**
   Description: DDGS Cooler (EU34)

B. **Applicable Regulation, Emission Limit, and Monitoring Requirements**
   Regulation No.: Construction Permit # 06-A-467-S5
   Construction Permit # 11-A-710-S1 (Bypass)
   Emission Limit or Standard: 0.1 gr/dscf PM (for SV09 and SV18)
   7.5 lbs/hr PM/PM$_{10}$ (For SV09 only)

C. **Control Technology**
   Fabric Filter Baghouse (CE-C13)

II. **DDGS Cooler Baghouse (CE-C13) Monitoring Approach**

A. **Indicator**
   Pressure drop will be used as the performance indicator.

B. **Measurement Approach**
   The key elements of the monitoring approach, including the indicators to be monitored, indicator ranges, and performance criteria are presented in Table 1.

### Table 1. Monitoring Approach

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Pressure Drop</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement Approach</td>
<td>The pressure drop will be monitored and recorded at least once each day of operation.</td>
</tr>
<tr>
<td>II. Indicator Range</td>
<td>A pressure drop between 0.5 and 6.0 inches of water shall be maintained during operation.</td>
</tr>
<tr>
<td>Corrective Action</td>
<td>Each excursion triggers an inspection, corrective action, and a reporting requirement.</td>
</tr>
<tr>
<td>QIP Threshold</td>
<td>An accumulation of excursions outside the indicator range of six or more for a reporting period excluding periods of startup, shutdown and malfunction.</td>
</tr>
</tbody>
</table>
### III. Performance Criteria

<table>
<thead>
<tr>
<th>A. Data Representativeness</th>
<th>Pressure drop is measured across the system.</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. Verification of Operational Status</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>C. QA/QC Practices and Criteria</td>
<td>Calibrate, maintain, and operate instrumentation in accordance with manufacturer’s recommendation.</td>
</tr>
<tr>
<td>D. Monitoring Frequency</td>
<td>The pressure drop will be recorded a minimum of once per day during operations.</td>
</tr>
<tr>
<td>Data Collection Procedures</td>
<td>The pressure drop will be recorded electronically or manually.</td>
</tr>
<tr>
<td>Averaging period</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>E. Record Keeping</td>
<td>Maintain for a period of 5 years records of electronic media and corrective actions taken in response to excursions.</td>
</tr>
<tr>
<td>F. Reporting</td>
<td>Number, duration, and cause of any excursion and the corrective action taken.</td>
</tr>
<tr>
<td>Frequency</td>
<td>Semiannually.</td>
</tr>
</tbody>
</table>
**Emission Point ID Number: EP-SV10**

**Associated Equipment**

Associated Emission Unit ID Numbers: see the table below  
Emissions Control Equipment ID Number: CE-C11  
Emissions Control Equipment Description: Baghouse

<table>
<thead>
<tr>
<th>EP</th>
<th>EU</th>
<th>Emission Unit Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP-SV10</td>
<td>EU-35</td>
<td>DDGS Handling</td>
<td>DDGS</td>
<td>45,000 Bushel/hr</td>
</tr>
<tr>
<td></td>
<td>EU-36</td>
<td>DDGS Rail Loadout</td>
<td>DDGS</td>
<td>45,000 Bushel/hr</td>
</tr>
<tr>
<td></td>
<td>EU-37</td>
<td>DDGS Truck Loadout</td>
<td>DDGS</td>
<td>45,000 Bushel/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.*

Pollutant: Opacity  
Emission Limit(s): 40% \(^{(1)}\)  
Authority for Requirement: DNR Construction Permit 06-A-468-S2  
567 IAC 23.3(2)"d"  

\(^{(1)}\)An exceedance of the indicator opacity of 10% 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, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM\(_{10}\))  
Emission Limit(s): 0.26 lb/hr  
Authority for Requirement: DNR Construction Permit 06-A-468-S2

Pollutant: Particulate Matter (PM)  
Emission Limit(s): 0.26 lb/hr; 0.1 gr/dscf  
Authority for Requirement: DNR Construction Permit 06-A-468-S2  
567 IAC 23.4(7)

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

**Operating Limits**

A. The owner or operator shall inspect and maintain the control equipment according to manufacturer's specifications.

**Reporting 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 DNR. Records shall be legible and maintained in an orderly manner.*  

A. The owner or operator shall keep a log of all inspection and maintenance activities that
are undertaken on the control equipment associated with this emission point. This log shall include, but not necessarily be limited to:

i. Date and time the activity took place;
ii. Description of any issues identified during an inspection or addressed by maintenance activities;
iii. Identification of staff members participating.

Authority for Requirement: DNR Construction Permit 06-A-468-S2

**Emission Point Characteristics**

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

- Stack Height, (ft, from the ground): 72
- Stack Opening, (inches): 12×12
- Exhaust Flow Rate (scfm): 630
- Exhaust Temperature (°F): Ambient
- Discharge Style: Downwards

Authority for Requirement: DNR Construction Permit 06-A-468-S2

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

**Monitoring Requirements**

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

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

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 must 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:** EP-SV11

**Associated Equipment**

Associated Emission Unit ID Numbers: EU-B01
Emissions Control Equipment ID Number: CE-B01
Emissions Control Equipment Description: Low NOx Burners

Emission Unit vented through this Emission Point: EU-B01
Emission Unit Description: Boiler #1
Raw Material/Fuel: Natural Gas or Propane
Rated Capacity: 92.1 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): 40% (1)
Authority for Requirement: DNR Construction Permit 06-A-469-S3
567 IAC 23.3(2) "d"

(1) An exceedance of the indicator opacity 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, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

**Pollutant:** Particulate Matter (PM$_{10}$)
Emission Limit(s): 0.69 lb/hr
Authority for Requirement: DNR Construction Permit 06-A-469-S3

**Pollutant:** Particulate Matter (PM)
Emission Limit(s): 0.69 lb/hr; 0.6 lb/MMBtu
Authority for Requirement: DNR Construction Permit 06-A-469-S3
567 IAC 23.3(2)"b"(2)

**Pollutant:** Sulfur Dioxide (SO$_2$)
Emission Limit(s): 0.055 lb/hr, 500 ppmv
Authority for Requirement: DNR Construction Permit 06-A-469-S3
567 IAC 23.3(3)"e"

**Pollutant:** Nitrogen Oxides (NO$_x$)
Emission Limit(s): 7.0 lb/hr
Authority for Requirement: DNR Construction Permit 06-A-469-S3

**Pollutant:** Volatile Organic Compounds (VOC)
Emission Limit(s): 0.50 lb/hr
Authority for Requirement: DNR Construction Permit 06-A-469-S3
Pollutant: Carbon Monoxide (CO)
Emission Limit(s): 6.0 lb/hr
Authority for Requirement: DNR Construction Permit 06-A-469-S3

Pollutant: Single HAP
Emission Limit(s): 0.16 lb/hr
Authority for Requirement: DNR Construction Permit 06-A-469-S3

Pollutant: Total HAP
Emission Limit(s): 0.17 lb/hr
Authority for Requirement: DNR Construction Permit 06-A-469-S3

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

Operating Limits
A. This unit shall combust natural gas or liquefied petroleum gas (propane) only.

Reporting 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 DNR. Records shall be legible and maintained in an orderly manner.

A. The owner or operator shall record the amount of each fuel combusted in this unit during each operating day as required by 40 CFR §60.48c(g)(1). As an alternative, the owner or operator may record the amount of each fuel combusted in this unit during each calendar month as allowed in 40 CFR §60.48c(g)(2) or may record the amount of fuel delivered to the facility on a calendar month basis as allowed under 40 CFR §60.48c(g)(3) as long as all other requirements of 40 CFR §60.48c(g)(3) are met.

Authority for Requirement: DNR Construction Permit 06-A-469-S3

NSPS Applicability
This unit is subject to the requirements of the New Source Performance Standards (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units (40 CFR 60 Subpart Dc; 567 IAC 23.1(2)“ill”).

Authority for Requirement: DNR Construction Permit 06-A-469-S3

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

Stack Height, (ft, from the ground): 46
Stack Opening, (inches, dia.): 35.5
Exhaust Flow Rate (scfm): 21,200
Exhaust Temperature (°F): 310
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 06-A-469-S3
The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within thirty (30) days of the discovery to determine if a permit amendment is required, or submit a permit application requesting to amend the permit.

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

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

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: EP-SV12

Associated Equipment

Associated Emission Unit ID Numbers: EU-B02
Emissions Control Equipment ID Number: CE-B02
Emissions Control Equipment Description: Low NOx Burner

Emission Unit vented through this Emission Point: EU-B02
Emission Unit Description: Boiler #2
Raw Material/Fuel: Natural Gas or Propane
Rated Capacity: 92.1 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): 40% (1)
Authority for Requirement: DNR Construction Permit 06-A-470-S3
567 IAC 23.3(2)"d"

(1) An exceedance of the indicator opacity 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, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM10)
Emission Limit(s): 0.69 lb/hr
Authority for Requirement: DNR Construction Permit 06-A-470-S3

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.69 lb/hr; 0.6 lb/MMBtu
Authority for Requirement: DNR Construction Permit 06-A-470-S3
567 IAC 23.3(2)"b"(2)

Pollutant: Sulfur Dioxide (SO2)
Emission Limit(s): 0.055 lb/hr, 500 ppmv
Authority for Requirement: DNR Construction Permit 06-A-470-S3
567 IAC 23.3(3)"e"

Pollutant: Nitrogen Oxides (NOx)
Emission Limit(s): 7.0 lb/hr
Authority for Requirement: DNR Construction Permit 06-A-470-S3

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 0.50 lb/hr
Authority for Requirement: DNR Construction Permit 06-A-470-S3
Pollutant: Carbon Monoxide (CO)
Emission Limit(s): 6.0 lb/hr
Authority for Requirement: DNR Construction Permit 06-A-470-S3

Pollutant: Single HAP
Emission Limit(s): 0.16 lb/hr
Authority for Requirement: DNR Construction Permit 06-A-470-S3

Pollutant: Total HAP
Emission Limit(s): 0.17 lb/hr
Authority for Requirement: DNR Construction Permit 06-A-470-S3

**Operational Limits & Requirements**

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

**Operating Limits**

A. This unit shall combust natural gas or liquefied petroleum gas (propane) only.

**Reporting 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 DNR. Records shall be legible and maintained in an orderly manner.*

A. The owner or operator shall record the amount of each fuel combusted in this unit during each operating day as required by 40 CFR §60.48c(g)(1). As an alternative, the owner or operator may record the amount of each fuel combusted in this unit during each calendar month as allowed in 40 CFR §60.48c(g)(2) or may record the amount of fuel delivered to the facility on a calendar month basis as allowed under 40 CFR §60.48c(g)(3) as long as all other requirements of 40 CFR §60.48c(g)(3) are met.

Authority for Requirement: DNR Construction Permit 06-A-470-S3

**NSPS Applicability**

This unit is subject to the requirements of the New Source Performance Standards (NSPS) for Small Industrial-Commercial-Institutional Steam Generating Units (40 CFR 60 Subpart Dc; 567 IAC 23.1(2)"Ill").

Authority for Requirement: DNR Construction Permit 06-A-470-S3

**Emission Point Characteristics**

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

Stack Height, (ft, from the ground): 46
Stack Opening, (inches, dia.): 35.5
Exhaust Flow Rate (scfm): 20,600
Exhaust Temperature (°F): 310
Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 06-A-470-S3
The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within thirty (30) days of the discovery to determine if a permit amendment is required, or submit a permit application requesting to amend the permit.

**Monitoring Requirements**

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

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

Authority for Requirement: 567 IAC 22.108(3)
**Emission Point ID Number: EP-SV14**

**Associated Equipment**

Associated Emission Unit ID Numbers: see the table below  
Emissions Control Equipment ID Number: CE-C12  
Emissions Control Equipment Description: Flare (Natural Gas Fired, 0.954 MMBtu/hr)

<table>
<thead>
<tr>
<th>EP</th>
<th>EU</th>
<th>Emission Unit Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP-SV14</td>
<td>EU-39</td>
<td>Ethanol Truck Loadout</td>
<td>Ethanol</td>
<td>54,180 gal/hr</td>
</tr>
<tr>
<td></td>
<td>EU-40</td>
<td>Ethanol Rail Loadout</td>
<td>Ethanol</td>
<td>60,000 gal/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.

Pollutant: Opacity  
Emission Limit(s): 40% (1)  
Authority for Requirement: DNR Construction Permit 11-A-707  
567 IAC 23.3(2)"d"

(1) An exceedance of the indicator opacity of 10% 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, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM)  
Emission Limit(s): 0.1 gr/dscf  
Authority for Requirement: DNR Construction Permit 11-A-707  
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO2)  
Emission Limit(s): 500 ppmv  
Authority for Requirement: 567 IAC 23.3(3)"e"

**Operational Limits & Requirements**

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

**Operating Limits**

A. The flare associated with this operation shall be designed and operated according to the specifications outlined in 40 CFR §60.18.  
B. The flare associated with this operation shall be operated at all times when product is being loaded into trucks or railcars.  
C. The amount of denatured ethanol that is loaded out shall not exceed 63,000,000 gallons per twelve (12) month period, rolled monthly.
**Reporting 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 DNR. Records shall be legible and maintained in an orderly manner.*

A. The owner or operator shall maintain records of the design specifications of the flare associated with this operation.

B. At the end of each month, record the total amount of denatured ethanol that was loaded into trucks or railcars over the previous month.

C. At the end of each month, calculate and record the amount of denatured ethanol that was loaded into trucks or railcars over the previous twelve (12) months.

**Authority for Requirement:** DNR Construction Permit 11-A-707

**Emission Point Characteristics**

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

Stack Height, (ft, from the ground): 35
Stack Opening, (inches, dia.): 8 (burner tip)
Exhaust Flow Rate (scfm): 270
Exhaust Temperature (°F): 700
Discharge Style: Vertical Unobstructed

**Authority for Requirement:** DNR Construction Permit 11-A-707

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

**Monitoring Requirements**

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

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

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
</table>

**Authority for Requirement:** 567 IAC 22.108(3)
Emission Point ID Number: EP-SV15

Associated Equipment

Associated Emission Unit ID Numbers: EU-B04

Emission Unit vented through this Emission Point: EU-B04
Emission Unit Description: Fire Pump
Raw Material/Fuel: Diesel
Rated Capacity: 575 bhp

Applicable Requirements

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

Pollutant: Opacity
Emission Limit(s): 40% (1)
Authority for Requirement: DNR Construction Permit 11-A-708
567 IAC 23.3(2)"d"

(1) An exceedance of the indicator opacity of 10% 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, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM_{10})
Emission Limit(s): 1.23 lb/hr
Authority for Requirement: DNR Construction Permit 11-A-708

Pollutant: Particulate Matter (PM)
Emission Limit(s): 1.23 lb/hr
Authority for Requirement: DNR Construction Permit 11-A-708

Pollutant: Sulfur Dioxide (SO_{2})
Emission Limit(s): 2.5 lb/MMBtu
Authority for Requirement: 567 IAC 23.3(3)"b"

Pollutant: Nitrogen Oxides (NO_{x})
Emission Limit(s): 17.5 lb/hr
Authority for Requirement: DNR Construction Permit 11-A-708

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 1.39 lb/hr
Authority for Requirement: DNR Construction Permit 11-A-708

Pollutant: Carbon Monoxide (CO)
Emission Limit(s): 3.77 lb/hr
Authority for Requirement: DNR Construction Permit 11-A-708
Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits
A. This engine is limited to burning diesel fuel oil only.
B. This engine is limited to operating a maximum of 100 hours in any rolling 12-month period.
C. This engine is limited to operating for emergency situations and required testing and maintenance. In accordance with §60.4211(e), the engine is limited to operating a maximum of 100 hours per year for maintenance checks and readiness testing. This engine is not allowed to operate as a peak shaving unit.
D. In accordance with §60.4207(b), the diesel fuel oil burned in this engine shall meet the following specifications from 40 CFR §80.510(b) for non-road diesel fuel:
   1. a maximum sulfur content of 15 ppm (0.0015%) by weight; and
   2. a minimum cetane index of 40 or a maximum aromatic content of 35 percent by volume.
E. In accordance with §60.4209(a), the engine shall be equipped with a non-resettable hour meter.
F. In accordance with §60.4211(a), this engine shall be operated and maintained in accordance with the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the manufacturer. The owner or operator may only change engine settings that are permitted by the manufacturer.

Reporting 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 DNR. Records shall be legible and maintained in an orderly manner.

A. The owner or operator shall maintain the following monthly records:
   i. the total number of hours that the engine operated;
   ii. the number of hours that the engine operated for maintenance checks and readiness testing; and
   iii. the rolling 12-month total amount of the number of hours that the engine operated.
B. The owner or operator shall maintain an annual record of the number of hours that the engine operated for maintenance checks and readiness testing.
C. The owner or operator of the engine shall comply with the requirements of condition D listed above in the Operating Limit section by one of the following methods:
   i. have the fuel supplier certify that the fuel delivered meets the definition of non-road diesel fuel as defined in 40 CFR §80.510(b);
   ii. obtain a fuel analysis from the supplier showing the sulfur content and cetane index or aromatic content of the fuel delivered; or
   iii. perform an analysis of the fuel to determine the sulfur content and cetane index or aromatic content of the fuel received.

Authority for Requirement: DNR Construction Permit 11-A-708
NSPS and NESHAP Applicability
This emission point is subject to New Source Performance Standard (NSPS) for Stationary Compression Ignition Internal Combustion Engines [40 CFR Part 60 Subpart IIII].

Authority for Requirement: 40 CFR Part 60 Subpart IIII
DNR Construction Permit 11-A-708
567 IAC 23.1(2)"yyy"

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)(2)(iii) this emergency engine, located at an area source, is a new stationary RICE as it was constructed on or after June 12, 2006.

According to 40 CFR 63.6590(c)(1), a new stationary RICE located at an area source of HAP emissions must meet the requirements of Part 63 by meeting the requirements of 40 CFR part 60 subpart IIII for compression ignition engines. No further requirements apply for this engine under Part 63.

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

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

Stack Height, (ft, from the ground): 8.5
Stack Opening, (inches, dia.): 8
Exhaust Flow Rate (scfm): 2,900
Exhaust Temperature (°F): 918
Discharge Style: Horizontal
Authority for Requirement: DNR Construction Permit 11-A-708

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

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

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☑
Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☑
Compliance Assurance Monitoring (CAM) Plan Required? Yes ☐ No ☑
Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: EP-SV16

Associated Equipment

Associated Emission Unit ID Numbers: EU-42
Emissions Control Equipment ID Number: CE-C14
Emissions Control Equipment Description: Cartridge Filters

Emission Unit vented through this Emission Point: EU-42
Emission Unit Description: Lime Silo
Raw Material/Fuel: Lime
Rated Capacity: 28 ton capacity

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): 40% (1)
Authority for Requirement: DNR Construction Permit 11-A-709
567 IAC 23.3(2)"d"

(1) An exceedance of the indicator opacity 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, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM10)
Emission Limit(s): 0.77 lb/hr
Authority for Requirement: DNR Construction Permit 11-A-709

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.77 lb/hr; 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 11-A-709
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.

Operating Limits
A. The owner or operator shall inspect and maintain the control equipment according to manufacturer's specifications.

Reporting 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 DNR. Records shall be legible and maintained in an orderly manner.

A. The owner or operator shall keep a log of all inspection and maintenance activities that are undertaken on the control equipment associated with this emission point. This log shall include, but not necessarily be limited to:
i. Date and time the activity took place;
ii. Description of any issues identified during an inspection or addressed by maintenance activities;
iii. Identification of staff members participating.

Authority for Requirement: DNR Construction Permit 11-A-709

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

Stack Height, (ft, from the ground): 45
Stack Opening, (inches, dia.): 32
Exhaust Flow Rate (scfm): 900
Exhaust Temperature (°F): Ambient
Discharge Style: Vertical Obstructed

Authority for Requirement: DNR Construction Permit 11-A-709

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

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

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

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

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

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 must 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)

**Associated Equipment**

- Associated Emission Unit ID Numbers: EU-34
- Emissions Control Equipment ID Number: CE-C13
- Emissions Control Equipment Description: Baghouse

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Emission Unit vented through this Emission Point: EU-34
Emission Unit Description: DDGS Cooler By-pass
Raw Material/Fuel: DDGS
Rated Capacity: 23 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): 40%\(^{(1)}\)

- Authority for Requirement: DNR Construction Permit 11-A-710-S1
  567 IAC 23.3(2)"d"

\(^{(1)}\)An exceedance of the indicator opacity of 10% will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf

- Authority for Requirement: DNR Construction Permit 11-A-710-S1
  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.*

**Operating Limits**

A. Emissions shall only be vented through this emission point when the regenerative thermal oxidizer associated with the DDGS dryer unexpectedly is off line.
B. Emissions from this unit shall be vented through the DDGS cooler baghouse at all times the cooler is operating.
C. The owner or operator shall inspect and maintain the control equipment according to manufacturer's specifications.
**Reporting 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 DNR. Records shall be legible and maintained in an orderly manner.

A. The owner or operator shall maintain a log of the operation of this emission point. This log shall include, but not necessarily limited to:
   i. The date and time by-pass operation of the by-pass began;
   ii. The duration of the by-pass operation;
   iii. Description of the reason for by-passing.

B. The owner or operator shall keep a log of all inspection and maintenance activities that are undertaken on the control equipment associated with this emission point. This log shall include, but not necessarily be limited to:
   i. Date and time the activity took place;
   ii. Description of any issues identified during an inspection or addressed by maintenance activities;
   iii. Identification of staff members participating.

Authority for Requirement:  DNR Construction Permit 11-A-710-S1

**Emission Point Characteristics**

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground):  31
Stack Opening, (inches, dia.):  36
Exhaust Flow Rate (scfm):  12,400
Exhaust Temperature (°F):  100
Discharge Style:  Vertical Unobstructed

Authority for Requirement:  DNR Construction Permit 11-A-710-S1

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

**Monitoring Requirements**

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

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

See the CAM plan for baghouse (CE-C13) on page 34.

Authority for Requirement:  567 IAC 22.108(3)
Emission Point ID Number: EP-SV20

Associated Equipment

Associated Emission Unit ID Numbers: See table below
Emissions Control Equipment ID Number: CE-C15
Emissions Control Equipment Description: Baghouse

<table>
<thead>
<tr>
<th>EU ID</th>
<th>Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>EU-44</td>
<td>Truck Dump Pit #2</td>
<td>Corn</td>
<td>15,000 bu/hr</td>
</tr>
<tr>
<td>EU-45</td>
<td>Truck Conveyor #2</td>
<td>Corn</td>
<td>15,000 bu/hr</td>
</tr>
<tr>
<td>EU-46</td>
<td>Corn Elevator #3</td>
<td>Corn</td>
<td>15,000 bu/hr</td>
</tr>
<tr>
<td>EU-47</td>
<td>Corn Conveyor #4</td>
<td>Corn</td>
<td>15,000 bu/hr</td>
</tr>
<tr>
<td>EU-49</td>
<td>Corn Bin #2</td>
<td>Corn</td>
<td>330,000 bushels</td>
</tr>
<tr>
<td>EU-50</td>
<td>Corn Conveyor #6</td>
<td>Corn</td>
<td>10,000 bu/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.

Pollutant: Opacity
Emission Limit(s): 40% (1)
Authority for Requirement: 567 IAC 23.3(2)"d"
DNR Construction Permit 16-A-332

(1) An exceedance of the indicator opacity of ‘No Visible Emissions’ will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the Department may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.77 lb/hr (2), 7.78 tons/yr (3), 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.4(7)
DNR Construction Permit 16-A-332

(2) This limit applies to EP SV20 only.
(3) This limit applies to grain receiving and includes emissions from EP SV20 and uncaptured emissions from grain receiving, assuming 20% of emissions are not captured.

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

Unless specified by a federal regulation, 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 facility shall not receive more than 22.5 million bushels of grain in any rolling 12-month period. The owner or operator shall:
   a. On a monthly basis, record the total amount grain received at the facility, in bushels; and
   b. On a monthly basis, calculate and record the rolling 12-month total, in bushels.
B. The owner or operator shall maintain the Baghouse (CE C15) according to the manufacturer’s specifications and maintenance schedule. The owner or operator shall maintain a log of all maintenance and inspection activities performed on the Baghouse (CE C15). This log shall include, but is not necessarily limited to:
   a. The date and time any inspection and/or maintenance was performed on the Baghouse (CE C15);
   b. Any issues identified during the inspection and the date each issue was resolved;
   c. Any issues addressed during the maintenance activities and the date each issue was resolved; and
   d. Identification of the staff member performing the maintenance or inspection.

Authority for Requirement: DNR Construction Permit 16-A-332

**Emission Point Characteristics**

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

Stack Height, (ft, from the ground): 30  
Stack Opening, (inches, dia.): 24  
Exhaust Flow Rate (scfm): 9,000  
Exhaust Temperature (°F): Ambient  
Discharge Style: Vertical, Unobstructed  

Authority for Requirement: DNR Construction Permit 16-A-332

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

**Monitoring Requirements**

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

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

Authority for Requirement: 567 IAC 22.108(3)
**Emission Point ID Number: EP-FS02**

Associated Equipment

Associated Emission Unit ID Numbers: EU-FS02

---

Emission Unit vented through this Emission Point: EU-FS02  
Emission Unit Description: Cooling Tower  
Raw Material/Fuel: Cooling Water  
Rated Capacity: 51,120 gal/min

**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: Particulate Matter (PM$_{10}$)  
Emission Limit(s): 14.01 ton/yr  
Authority for Requirement: DNR Construction Permit 06-A-472

Pollutant: Particulate Matter (PM)  
Emission Limit(s): 14.01 ton/yr  
Authority for Requirement: DNR Construction Permit 06-A-472

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

**Operating Limits**

A. The Total Dissolved Solids (TDS) level shall not exceed 2,500 mg/l for any single sampling event.

B. The owner or operator shall test TDS on a monthly basis.

**Reporting 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 DNR. Records shall be legible and maintained in an orderly manner.

A. The owner or operator shall keep records of the results of the monthly TDS testing available.

Authority for Requirement: DNR Construction Permit 06-A-472
**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 Required?</td>
<td>☑️</td>
<td></td>
</tr>
<tr>
<td>Facility Maintained Operation &amp; Maintenance Plan Required?</td>
<td>☐️</td>
<td>☑️</td>
</tr>
<tr>
<td>Compliance Assurance Monitoring (CAM) Plan Required?</td>
<td>☑️</td>
<td></td>
</tr>
</tbody>
</table>

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: EP-FS05

Associated Equipment

Associated Emission Unit ID Numbers: EU-FS05

Emission Unit vented through this Emission Point: EU-FS05
Emission Unit Description: VOC Emissions from Equipment Leaks
Raw Material/Fuel: VOC Fugitive
Rated Capacity: NA

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): 40%
Authority for Requirement: DNR Construction Permit 06-A-473-S1
567 IAC 23.3(2)“d”

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 06-A-473-S1
567 IAC 23.3(2)“a”

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 10.09 ton/yr (1)
Authority for Requirement: DNR Construction Permit 06-A-473-S1
(1)This is the calculated maximum LDAR controlled VOC emissions, as calculated by EPA-453/R-95-017, and based on revised count of components in project 12-198, plus 10% as requested.

Pollutant: Single HAP
Emission Limit(s): 9.4 ton/yr (2)
Authority for Requirement: DNR Construction Permit 06-A-473-S1

Pollutant: Total HAP
Emission Limit(s): 24.4 ton/yr (2)
Authority for Requirement: DNR Construction Permit 06-A-473-S1
(2) Plant-wide limits.

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

Operating Limits
A. The owner or operator shall follow the applicable requirements of Subpart VV, 40 CFR §60.480 through 40 CFR §60.489
Reporting 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 DNR. Records shall be legible and maintained in an orderly manner.

A. The owner or operator shall keep records as required in 40 CFR §60.486 and reports as required in 40 CFR §60.487.

Authority for Requirement: DNR Construction Permit 06-A-473-S1

NSPS Applicability

This facility is subject to NSPS Subpart A – General Provisions and Subpart VV – Equipment Leaks of VOC in the Synthetic Organic Chemical Manufacturing Industry.

Authority for Requirement: DNR Construction Permit 06-A-473-S1
40 CFR 60 Subpart VV
567 IAC 23.1(2)"nn"

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: EP-FS06

Associated Equipment

Associated Emission Unit ID Numbers: EU-FS06

Emission Unit vented through this Emission Point: EU-FS06
Emission Unit Description: Truck Traffic
Raw Material/Fuel: Fugitive Dust
Rated Capacity: 42,163 VMT/yr

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 Emissions (1)
Authority for Requirement: DNR Construction Permit 06-A-474-S3
567 IAC 23.3(2)"c"(1)

(1) The owner or operator shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property.

Pollutant: Particulate Matter (PM)
Emission Limit(s): 20 ton/yr
Authority for Requirement: DNR Construction Permit 06-A-474-S3

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
The owner/operator of this equipment shall comply with the operational limits and requirements listed below. All records shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. These records shall demonstrate compliance with all applicable operating limits. Records shall be legible and maintained in an orderly manner.

A. All haul roads within the facility shall be paved with the exception of the road segment leading to and from the temporary grain pile. Any spills on the road shall be cleaned up immediately.

B. The owner or operator shall determine the silt loading on the paved roads once per month, prior to any road cleaning that may be done. After 12 tests, the company may request a review of these results to determine if a reduced sampling frequency is appropriate. Silt load testing shall be conducted according to the procedures outlined in AP-42, Appendix C.1 Procedures for Sampling Surface/Bulk Dust Loading and C.2 Procedures for Laboratory Analysis of Surface/Bulk Dust Loading Samples. The owner
or operator shall:
   a. On a monthly basis, sample the silt loading at three (3) or more different locations. Sampling shall be completed prior to any cleaning done that day;
   b. On a monthly basis, conduct a performance test on the three (3) silt samples to determine the monthly silt content in g/m²; and
   c. Maintain a monthly log for the paved haul road silt loading sampling showing the following:
      i. The date and time of the performance testing;
      ii. The measured silt content in grams;
      iii. The silt load of the road for that month based on testing; and
      iv. The average silt loading (g/m²) based on the performance testing.

C. The unpaved road segment shall only be used for activities related to moving grain to and from the temporary grain pile. Silt content sampling of the unpaved road surface shall be conducted at least once each calendar year during which grain is delivered to or removed from the temporary grain pile. This sampling shall be performed during the period of time of operation of the temporary grain pile. If the temporary grain pile is used for more than 3 months during any calendar year, samples shall be taken at least once every 3 months with a maximum of two samples per calendar year. After a minimum of 4 samples are analyzed, if the variability between the samples is less than 25%, then no additional sampling is required. If the variability of the samples is greater than 25%, then sampling shall be continued until a total of 8 samples have been obtained. After 8 samples have been obtained and analyzed, no additional sampling would be required. Silt content testing shall be conducted according to the procedures outlined in AP-42, Appendix C.1 Procedures for Sampling Surface/Bulk Dust Loading and C.2 Procedures for Laboratory Analysis of Surface/Bulk Dust Loading Samples. The owner or operator shall:
   a. Maintain a log for the unpaved haul road silt loading sampling showing the following:
      i. The date and time of the performance testing;
      ii. The measured silt content in grams;
      iii. The silt load of the road for that month based on testing; and
      iv. The average silt loading (g/m²) based on the performance testing.

D. The owner or operator shall record the number of trucks that load/unload material using the paved and unpaved haul roads on a monthly basis. Based on the number of trucks, the total paved road Vehicle Miles Traveled (VMT) and unpaved road Vehicle Miles Traveled (VMT) shall be calculated for that month. The owner or operator shall:
   a. Maintain a monthly log of showing the following:
      i. The number of trucks using the paved and unpaved roads; and
      ii. The paved and unpaved Vehicle Miles Traveled (VMT) for that month.

E. The owner or operator shall not exceed 20 TPY of particulate matter (PM) emissions in any twelve month period, beginning with the initial 12-month period following the issuance of this permit. The owner or operator shall:
   a. On a monthly basis, calculate and record the monthly paved haul road emissions,
in tons per month, according to the following formula, which uses an equation and empirical constants from AP-42 Section 13.2.1 and assumes a mean vehicle weight of 29 tons and 105 days of precipitation per year;

\[
E_{PM} = \frac{[0.317 \times (sL)^{0.91}] \times VMT}{2000}
\]

Where \( E_{PM} \) = tons of PM per month  
\( sL \) = average road surface silt loading (g/m²) based on monthly silt loading performance tests  
\( VMT \) = vehicle miles traveled

b. On a monthly basis, calculate and record the monthly unpaved haul road emissions, in tons per month, according to the following formula, which uses the equations and empirical constants from AP-42 Section 13.2.2 and assumes a mean vehicle weight of 29 tons and 105 days of precipitation per year;

\[
E_{PM} = \frac{[13.6 \times \left( \frac{s}{12} \right)^{0.7}] \times VMT \times 0.71}{2000}
\]

Where \( E_{PM} \) = tons of PM per month  
\( s \) = average road surface material silt content percentage (%) based on silt content performance tests  
\( VMT \) = vehicle miles traveled

c. On a monthly basis, calculate and record the total paved and unpaved haul road emissions, in tons per month; and
d. On a monthly basis, calculate and record the rolling 12-month total paved and unpaved haul road emissions, in tons.

Authority for Requirement:  Iowa DNR Construction Permit 06-A-474-S3

**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: EP-TK001; EP-TK002

Associated Equipment

Associated Emission Unit ID Numbers: see the table below
Emissions Control Equipment ID Number: CE-TK001; CE-TK002
Emissions Control Equipment Description: Internal Floating Roof

<table>
<thead>
<tr>
<th>EP</th>
<th>EU</th>
<th>Emission Unit Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP-TK001</td>
<td>EU-TK001</td>
<td>200 Proof Ethanol Storage Tank</td>
<td>200 Proof Ethanol</td>
<td>184,962 gallons</td>
</tr>
<tr>
<td>EP-TK002</td>
<td>EU-TK002</td>
<td>200 Proof Ethanol Storage Tank</td>
<td>200 Proof Ethanol</td>
<td>184,962 gallons</td>
</tr>
</tbody>
</table>

Applicable Requirements

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

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 0.20 ton/yr
Authority for Requirement: DNR Construction Permits 06-A-475-S1 and 06-A-476-S1

Pollutant: Single HAP
Emission Limit(s): 9.4 ton/yr (1)
Authority for Requirement: DNR Construction Permits 06-A-475-S1 and 06-A-476-S1

Pollutant: Total HAP
Emission Limit(s): 24.4 ton/yr (1)
Authority for Requirement: DNR Construction Permits 06-A-475-S1 and 06-A-476-S1

(1) Plant-wide limits.

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

Operating Limits
A. The owner or operator shall follow the applicable standards of Subpart Kb, 40 CFR §60.112b(a)(1) and inspect as required in 40 CFR §60.113b(a).
B. The owner or operator shall follow the applicable standards of Subpart VV, 40 CFR §60.480 through 40 CFR §60.489.
C. These tanks shall be used to store only 200 proof ethanol.
D. Plant-wide denatured ethanol production shall be limited to a maximum of 63 million gallons per twelve month rolling period.

Reporting 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 DNR. Records shall be legible and maintained in an orderly manner.

A. The owner or operator shall keep readily accessible records showing the dimension of the
storage vessel and an analysis showing the capacity of the storage vessel for the lifetime of the source.

B. The owner or operator shall follow the applicable recordkeeping and reporting standards of Subpart Kb, 40 CFR §60.115b through §60.116b.

C. The owner or operator shall keep records as required in 40 CFR §60.486, and reports as required in 40 CFR §60.487.

D. The owner or operator shall keep records of the amount of denatured ethanol produced, and update the twelve month rolling total on a monthly basis.

Authority for Requirement:  DNR Construction Permits 06-A-475-S1 and 06-A-476-S1

NSPS Applicability

These tanks are subject to the following NSPS subparts:

40 CFR 60 Subpart A – General Provisions

Authority for Requirement:  DNR Construction Permits 06-A-475-S1 and 06-A-476-S1
567 IAC 23.1(2)"ddd"
567 IAC 23.1(2)"nn"

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: EP-TK003

Associated Equipment

Associated Emission Unit ID Numbers: EU-TK003
Emissions Control Equipment ID Number: CE-TK003
Emissions Control Equipment Description: Internal Floating Roof

Emission Unit vented through this Emission Point: EU-TK003
Emission Unit Description: Denaturant Storage Tank
Raw Material/Fuel: Denaturant
Rated Capacity: 63,415 gallons

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: Volatile Organic Compounds (VOC)
Emission Limit(s): 0.72 ton/yr
Authority for Requirement: DNR Construction Permit 06-A-477-S1

Pollutant: Single HAP
Emission Limit(s): 9.4 ton/yr \(^{(1)}\)
Authority for Requirement: DNR Construction Permit 06-A-477-S1

Pollutant: Total HAP
Emission Limit(s): 24.4 ton/yr \(^{(1)}\)
Authority for Requirement: DNR Construction Permit 06-A-477-S1

\(^{(1)}\) Plant-wide limits.

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

Operating Limits
A. The owner or operator shall follow the applicable standards of Subpart Kb, 40 CFR §60.112b(a)(1) and inspect as required in 40 CFR §60.113b(a).
B. The owner or operator shall follow the applicable standards of Subpart VV, 40 CFR §60.480 through 40 CFR §60.489.
C. This tank shall be used to store only denaturant.
D. Plant-wide denatured ethanol production shall be limited to a maximum of 63 million gallons per twelve month rolling period.
Reporting 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 DNR. Records shall be legible and maintained in an orderly manner.

A. The owner or operator shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the lifetime of the source.
B. The owner or operator shall follow the applicable recordkeeping and reporting standards of Subpart Kb, 40 CFR §60.115b through §60.116b.
C. The owner or operator shall keep records as required in 40 CFR §60.486, and reports as required in 40 CFR §60.487.
D. The owner or operator shall keep records of the amount of denatured ethanol produced, and update the twelve month rolling total on a monthly basis.

Authority for Requirement: DNR Construction Permit 06-A-477-S1

NSPS Applicability
This tank is subject to the following NSPS subparts:
40 CFR 60 Subpart A – General Provisions

Authority for Requirement: DNR Construction Permit 06-A-477-S1
567 IAC 23.1(2)'ddd'
567 IAC 23.1(2)'nn'

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)
**Applicable Requirements**

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

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

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Emission Limit(s)</th>
<th>Authority for Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volatile Organic Compounds (VOC)</td>
<td>0.16 ton/yr</td>
<td>DNR Construction Permits 06-A-478-S2 and 06-A-479-S2</td>
</tr>
<tr>
<td>Total HAP</td>
<td>24.4 ton/yr</td>
<td>DNR Construction Permits 06-A-478-S2 and 06-A-479-S2</td>
</tr>
</tbody>
</table>

(1) Plant-wide limits.

**Operational Limits & Requirements**

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

**Operating Limits**

A. The owner or operator shall follow the applicable standards of Subpart Kb, 40 CFR §60.112b(a)(1) and inspect as required in 40 CFR §60.113b(a).

B. The owner or operator shall follow the applicable standards of Subpart VV, 40 CFR §60.480 through 40 CFR §60.489.

C. These tanks shall be used to store only ethanol (denatured or anhydrous).

D. Plant-wide denatured ethanol production shall be limited to a maximum of 63 million gallons per twelve month rolling period.
**Reporting 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 DNR. Records shall be legible and maintained in an orderly manner.

A. The owner or operator shall keep readily accessible records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the lifetime of the source.

B. The owner or operator shall follow the applicable recordkeeping and reporting standards of Subpart Kb, 40 CFR §60.115b through §60.116b.

C. The owner or operator shall keep records as required in 40 CFR §60.486, and reports as required in 40 CFR §60.487.

D. The owner or operator shall keep records of the amount of ethanol produced (denatured or anhydrous), and update the twelve month rolling total on a monthly basis.


**NSPS Applicability**

These tanks are subject to the following NSPS subparts:


567 IAC 23.1(2)"ddd"
567 IAC 23.1(2)"nn"

**Monitoring Requirements**

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)
IV. General Conditions
This permit is issued under the authority of the Iowa Code subsection 455B.133(8) and in accordance with 567 Iowa Administrative Code chapter 22.

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)"e"

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 the appropriate DNR Field office. 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 the appropriate DNR Field office. 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"

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"

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)

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)

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

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

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

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

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)
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.

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(1)

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)

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 567 IAC 23.2. 567 IAC 23.2 except 23.2(3)"j"; 567 IAC 23.2(3)"j" - State Only
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 thereunder. 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 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)

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

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

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

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

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

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

Stack test notifications, reports and correspondence shall be sent to:

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

567 IAC 25.1(7)"a", 567 IAC 25.1(9)

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  
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 DNR Field Offices or local programs shall be directed to the supervisor at the appropriate field office or local program. Current addresses and phone numbers are:

**Field Office 1**  
909 West Main – Suite 4  
Manchester, IA 52057  
(563) 927-2640

**Field Office 2**  
2300-15th St., SW  
Mason City, IA 50401  
(641) 424-4073

**Field Office 3**  
1900 N. Grand Ave.  
Spencer, IA 51301  
(712) 262-4177

**Field Office 4**  
1401 Sunnyside Lane  
Atlantic, IA 50022  
(712) 243-1934

**Field Office 5**  
Wallace State Office Building  
502 E 9th St.  
Des Moines, IA  50319-0034  
(515) 725-0268

**Field Office 6**  
1023 West Madison Street  
Washington, IA 52353-1623  
(319) 653-2135

**Polk County Public Works Dept.**  
Air Quality Division  
5885 NE 14th St.  
Des Moines, IA 50313  
(515) 286-3351

**Linn County Public Health**  
Air Quality Branch  
501 13th St., NW  
Cedar Rapids, IA 52405  
(319) 892-6000
V. Appendix A

Links to Standards

   https://www.ecfr.gov/cgi-bin/text-idx?node=sp40.7.60.a

B. 40 CFR Part 60 Subpart Dc – Standards of Performance for Small Industrial-Commercial Steam Generating Units
   https://www.ecfr.gov/cgi-bin/text-idx?node=sp40.7.60.d_0c

   https://www.ecfr.gov/cgi-bin/text-idx?node=sp40.7.60.k_0b

   https://www.ecfr.gov/cgi-bin/text-idx?node=sp40.7.60.vv

E. 40 CFR Part 60 Subpart III I – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
   https://www.ecfr.gov/cgi-bin/text-idx?node=sp40.7.60.iiii

   https://www.ecfr.gov/cgi-bin/text-idx?node=sp40.7.63.zzzz