Iowa Department of Natural Resources
Title V Operating Permit

Name of Permitted Facility: Lincolnway Energy, LLC
Facility Location: 59511 West Lincoln Highway, Nevada, IA 50201
Air Quality Operating Permit Number: 14-TV-002R2
Expiration Date: 02/19/2029

Permit Renewal Application Deadline: 08/19/2028

EIQ Number: 92-5064
Facility File Number: 85-02-017

Responsible Official
Name: Chris Cleveland
Title: Plant Manager
Mailing Address: 59511 West Lincoln Highway, Nevada, IA 50201
Phone #: (515) 232-1010

Permit Contact Person for the Facility
Name: Brenda Duppong
Title: Lab & Regulatory Compliance Manager
Mailing Address: 59511 West Lincoln Highway, Nevada, IA 50201
Phone #: (515) 232-1010

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

For the Director of the Department of Natural Resources

Marnie Stein

02/20/2024

Marnie Stein, 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.....dried distillers grains with solubles
^{o}F.....degrees Fahrenheit
EIQ.....emissions inventory questionnaire
EP.....emission point
EU .....emission unit
gr./dscf .....grains per dry standard cubic foot
IAC.....Iowa Administrative Code
DNR .....Iowa Department of Natural Resources
MVAC.....motor vehicle air conditioner
NAICS.....North American Industry Classification System
NSPS .....new source performance standard
NESHAP .....National Emission Standards for Hazardous Air Pollutants
ppmv .....parts per million by volume
lb./hr .....pounds per hour
lb./MMBtu .....pounds per million British thermal units
SCC.....Source Classification Codes
scfm.....standard cubic feet per minute
SIC .....Standard Industrial Classification
TPY .....tons per year
USEPA.....United States Environmental Protection Agency

Pollutants
PM.....particulate matter
PM_{10} .....particulate matter ten microns or less in diameter
SO_2 .....sulfur dioxide
NO_x .....nitrogen oxides
VOC .....volatile organic compound
CO.....carbon monoxide
HAP.....hazardous air pollutant

I. Facility Description and Equipment List

Facility Name: Lincolnway Energy LLC
Permit Number: 14-TV-002R2

Facility Description: Fuel Grade Ethanol (SIC 2869)

Equipment List

Emission Point Number	Emission Unit Number	Emission Unit Description	IDNR Construction Permit Number
S20	P20	Grain Unloading	05-A-072-S5
S30	P30	Hammermilling	05-A-073-S3
S40	P40	Fermentation Process	05-A-081-S10
S50	P50, P100	Truck and Rail Ethanol Loadout	05-A-085-S6
S61	P61	Denatured Ethanol Storage	05-A-074-S5
S62	P62	Denatured Ethanol Storage	05-A-075-S5
S63	P63	200 Proof Ethanol Storage	05-A-076-S5
S64	P64	Denaturant Storage	05-A-077-S4
S65	P65	190 Proof Ethanol Storage	05-A-078-S5
S66	P66	Additive Storage	05-A-079-S3
S67	P67	Ethanol Storage Tank #3	12-A-547-S5
S70	P70	DDGS Cooler	05-A-087-S10
S80	P80	Cooling Tower	05-A-084-S2
S81	F81	Dust Emission from Truck Traffic	05-A-080-S4
S82	P82	VOC Fugitive from Equipment Leaks	05-A-082-S4
S90	P90	DDGS Loadout	05-A-088-S7
S111	P111	Emergency Diesel Water Pump	20-A-165
S160	P160	Wet Cake Pad	11-A-458-S2
S170	P170A	DDGS Dryer #1	14-A-178-S8
	P170B	DDGS Dryer #2	
	P170C	DDGS Dryer #3	
	P171	Distillation Process	
S180	P180	Natural Gas Boiler (238 MMBtu/hr)	14-A-179-S2
S190	P190	Natural Gas Boiler (71.5 MMBtu/hr)	22-A-055

Insignificant Activities Equipment List

Insignificant Emission Unit Number	Insignificant Emission Unit Description
EU1	Thin Stillage Tank Vent (146,000 gallons)
EU2	Syrup Tank (50,000 gallons)
EU3	Cook Water Tank (146,000 gallons)
EU4	Liquefaction Tank (64,700 gallons)
EU5	Whole Stillage Tank (146,000 gallons)
SU2	Corn Storage Bin

II. Plant-Wide Conditions

Facility Name: Lincolnway Energy LLC
Permit Number: 14-TV-002R2

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: 02/20/2024
Ending on: 02/19/2029

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

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 (SO_2): 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

This facility is an affected source and these General Provisions apply to the facility. The affected units are EU-P61, EU-P62, EU-P63, EU-P64, EU-P65, EU-P67, EU-P180, and EU-P82.

See Appendix for the link of the Standard.

Authority for Requirement: 40 CFR 60 Subpart A
567 IAC 23.1(2)

40 CFR 60 Subpart Db Requirements

This facility is subject to Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units. The affected unit is EU-P180.

See Appendix for the link of the Standard.

Authority for Requirement: 40 CFR 60 Subpart Db
567 IAC 23.1(2)"ccc"

40 CFR 60 Subpart Kb Requirements
This facility is subject to Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. The affected units are EU-P61, EU-P62, EU-P63, EU-P64, EU-P65, and EU-P67.
See Appendix for the link of the Standard.
Authority for Requirement: 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. The affected units are equipment in VOC service and any applicable devices and systems (as defined in 40 CFR 60.481) in the entire facility. The owner or operator shall comply with the applicable requirements in 40 CFR 60.480 through 60.489, including recordkeeping requirements in 40 CFR 60.486 and reporting requirements in 40 CFR 60.487.
See Appendix for the link of the Standard.
Authority for Requirement: 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 Engines. The affected unit is EU-P111.
See Appendix for the link of the Standard.
Authority for Requirement: 40 CFR 60 Subpart IIII

40 CFR 63 Subpart A Requirements
This facility is subject to National Emission Standard for Hazardous Air Pollutants – General Provisions. The affected units are EU-P40, EU-P64, EU- P82, EU-P111, EU-P170, and EU-P180.
See Appendix for the link of the Standard.
Authority for Requirement: 40 CFR 63 Subpart A
567 IAC 23.1(4)

40 CFR 63 Subpart FFFF Requirements
This facility is subject to National Emission Standard for Hazardous Air Pollutants for Miscellaneous Organic Chemical Manufacturing. The affected units are EU-P40, EU-P61, EU-P62, EU-P63, EU-P64, EU-P65, EU-P67, EU- P82, and EU-P170.
See Appendix for the link of the Standard.
Authority for Requirement: 40 CFR 63 Subpart FFFF

40 CFR 63 Subpart ZZZZ Requirements
This facility is subject to National Emission Standard for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. The affected unit is EU-P111.
See Appendix for the link of the Standard.
Authority for Requirement: 40 CFR 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"

40 CFR 63 Subpart DDDDD Requirements
This facility is subject to National Emission Standard for Hazardous Air Pollutants for Industrial, Commercial, And Institutional Boilers and Process Heaters. The affected unit is EU-P180.
See Appendix for the link of the Standard.
Authority for Requirement: 40 CFR 63 Subpart DDDDD

III. Emission Point-Specific Conditions

Facility Name: Lincolnway Energy LLC
Permit Number: 14-TV-002R2

Emission Point ID Number: S20

Associated Equipment

Associated Emission Unit ID Numbers: P20
Emissions Control Equipment ID Number: CE20
Emissions Control Equipment Description: Baghouse

EU	Emission Unit Description	Raw Material	Rated Capacity
P20	Grain Storage Silo #1	Corn	260,700 bushels
	Grain Storage Silo #2		260,700 bushels
	Corn Unloading (Receiving Pits)		30,000 bushels/hr
	Elevator Legs		15,000 bushels/hr
	Storage Bin Fill Conveyor		15,000 bushels/hr
	Storage Bin Emptying Conveyor		5,000 bushels/hr
	Scalper Bin		20,000 bushels
	Grind Bin		20,000 bushels

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 05-A-072-S5

[(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): 1.20 lb/hr
Authority for Requirement: DNR Construction Permit 05-A-072-S5

Pollutant: Particulate Matter (PM)
Emission Limit(s): 1.20 lb/hr; 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 05-A-072-S5
567 IAC 23.4(7)

Operational Requirements with Associated Monitoring and Recordkeeping

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

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 amount of corn received by this facility via truck and rail combined shall not exceed 36,982,759 bushels of corn per twelve (12) month rolling period, rolled monthly. No other feedstock may be used to make ethanol at this facility.
   i. The owner or operator shall maintain the following monthly records:
      1. The amount of corn received via truck and rail in bushels.
      2. The 12-month rolling total of the amount of corn received via truck and rail in bushels.

B. The differential pressure drop across the Unloading Baghouse (CE C20) shall be maintained between 0.25 and 8 inches water column.
   i. The owner or operator shall properly operate and maintain equipment to monitor the differential pressure drop across the Unloading Baghouse (CE C20). The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals or per written facility specific operation and maintenance plan.
   ii. The owner or operator shall collect and record the pressure drop across the Unloading Baghouse (CE C20), in inches of water, once per calendar day. If the pressure drop across the Unloading Baghouse (CE C20) falls outside the range specified in Condition 5.B., the owner or operator shall investigate the Unloading Baghouse (CE C20) and make corrections to it. The owner or operator shall maintain a record of all corrective actions taken. This requirement shall not apply on the days that the Unloading Baghouse (CE C20) is not in operation.

C. The owner or operator shall implement operating procedures to ensure that all emissions generated during grain filling of Corn Storage Bin #1 and Corn Storage Bin #2 are captured and vented to the Unloading Baghouse (CE C20). Such operating procedures include but are not limited to:
   1) aeration fans shall not operate during grain filling,
   2) aeration fans shall not operate for 30 minutes after each grain filling event,
   3) control equipment shall operate all times during grain filling, and
   4) negative pressure shall be maintained on the bins while the bins are being filled.

i. The owner or operator shall retain on-site grain bin filling procedures to ensure all emissions from grain filling of Corn Storage Bin #1 and Corn Storage Bin #2 are captured and vented to the Unloading Baghouse (CE C20)
ii. Corn Storage Bin #1 and Corn Storage Bin #2 are allowed to have bin vents on them to allow for the bins to breathe due to changes in atmospheric conditions.

D. The owner or operator shall operate the Corn Unloading Receiving Pits (EU P20) in a manner that minimizes un-captured particulate emissions during grain truck and rail unloading. This shall include:
   i. Operate and maintain enclosures around the truck and rail receiving pits in order to minimize the influence of wind currents.
   ii. Unload grain from truck and rail by the use of choke flow.

E. The owner or operator shall check for the presence of visible emissions from the enclosure(s) to the Corn Unloading Receiving Pits (EU P20) once per calendar day. The owner or operator shall record the date and time of the observation and the presence or absence of visible emissions during grain truck or rail unloading. If the owner or operator observes visible emissions during grain truck or rail unloading, the owner or operator shall investigate the emission unit, or the operations associated with the emission unit and make corrections to the associated operations or equipment. The owner or operator shall maintain a record of all corrective actions taken. This requirement shall not apply on the days that the Corn Unloading Receiving Pits (EU P20) are not in operation.

F. The owner or operator shall develop and follow an operating and maintenance plan for the Unloading Baghouse (CE C20), including a preventative maintenance schedule that is consistent with the manufacturer's instructions for routine and long-term maintenance.
   i. The owner or operator shall maintain a record of all inspections and maintenance and any action resulting from the inspection and maintenance of the Unloading Baghouse (CE C20).

G. Any deviations from the control equipment operating parameters detailed in Condition 5 of the construction permit shall be reported to the Department semi-annually (i.e. reporting period January 1 to June 30 to be submitted with a postmark date of September 30 and reporting period of July 1 to December 31 to be submitted with a postmark date of March 31). The report shall include:
   i. The identity of the equipment or source operation from which the deviation is being reported;
   ii. The time and duration of the deviation;
   iii. The cause of the deviation;
   iv. The steps taken to remedy the deviation; and
   v. Whether the deviation resulted in excess emission.

Authority for Requirement: DNR Construction Permit 05-A-072-S5

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

Stack Height, (ft, from the ground): 80
Stack Opening, (inches, dia.): 42
Exhaust Flow Rate (scfm): 33,000
Exhaust Temperature (°F): Ambient
Discharge Style: Vertical, Unobstructed
Authority for Requirement: DNR Construction Permit 05-A-072-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.

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: S30

Associated Equipment

Associated Emission Unit ID Numbers: P30
Emissions Control Equipment ID Number: CE30
Emissions Control Equipment Description: Baghouse

EU	Emission Unit Description	Raw Material	Rated Capacity
P30	Hammermill #1	Corn	3,600 bushels/hr
	Hammermill #2		3,600 bushels/hr
	Hammermill #3		3,600 bushels/hr
	Hammermill #4		3,600 bushels/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 05-A-073-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): 0.60 lb/hr
Authority for Requirement: DNR Construction Permit 05-A-073-S3

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.60 lb/hr; 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 05-A-073-S3
567 IAC 23.4(7)

Operational Requirements with Associated Monitoring and Recordkeeping

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

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 differential pressure drop across the Milling Baghouse (CE C30) shall be maintained between 0.25 and 8 inches water column.
   i. The owner or operator shall properly operate and maintain equipment to monitor the differential pressure drop across the Milling Baghouse (CE C30). The monitoring devices and any recorders shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals or per written facility specific operation and maintenance plan.
   ii. The owner or operator shall collect and record the pressure drop across the Milling Baghouse (CE C30), in inches of water, once per calendar day. If the pressure drop across the Milling Baghouse (CE C30) falls outside the range specified in Condition 5.A., the owner or operator shall investigate the Milling Baghouse (CE C30) and make corrections to it. The owner or operator shall maintain a record of all corrective actions taken. This requirement shall not apply on the days that the Milling Baghouse (CE C30) is not in operation.

B. The owner or operator shall develop and follow an operating and maintenance plan for the Milling Baghouse (CE C30), including a preventative maintenance schedule that is consistent with the manufacturer's instructions for routine and long-term maintenance.
   i. The owner or operator shall maintain a record of all inspections and maintenance and any action resulting from the inspection and maintenance of the Milling Baghouse (CE C30).

C. Any deviations from the control equipment operating parameters detailed in Condition 5 of the construction permit shall be reported to the Department semi-annually (i.e. reporting period January 1 to June 30 to be submitted with a postmark date of September 30 and reporting period of July 1 to December 31 to be submitted with a postmark date of March 31). The report shall include:
   i. The identity of the equipment or source operation from which the deviation is being reported;
   ii. The time and duration of the deviation;
   iii. The cause of the deviation;
   iv. The steps taken to remedy the deviation; and
   v. Whether the deviation resulted in excess emission.

Authority for Requirement: DNR Construction Permit 05-A-073-S3

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

Stack Height, (ft, from the ground): 80
Stack Opening, (inches, dia.): 32
Exhaust Flow Rate (scfm): 15,000
Exhaust Temperature (°F): Ambient
Discharge Style: Vertical, Unobstructed
Authority for Requirement: DNR Construction Permit 05-A-073-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: S40

Associated Equipment

Associated Emission Unit ID Numbers: P40
Emissions Control Equipment ID Number: CE-C40, CE-C40B
Emissions Control Equipment Description: CO_2 Scrubber, Precondenser

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EU	Emission Unit Description	Raw Material	Rated Capacity
P40	Batch Mash Fermenter #1	Corn Mash	730,000 gallons
	Batch Mash Fermenter #2	Corn Mash	730,000 gallons
	Batch Mash Fermenter #3	Corn Mash	730,000 gallons
	Batch Mash Fermenter #4	Corn Mash	730,000 gallons
	Batch Mash Fermenter #5	Corn Mash	730,000 gallons
	Batch Mash Fermenter #6	Corn Mash	730,000 gallons
	Beer Well	Corn Mash	985,000 gallons
	Beer Feed Pump	Beer	1,300 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: Opacity
Emission Limit(s): 40% [(1)]
Authority for Requirement: DNR Construction Permit 05-A-081-S10
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): 0.30 lb/hr
Authority for Requirement: DNR Construction Permit 05-A-081-S10

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.30 lb/hr; 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 05-A-081-S10
567 IAC 23.4(7)

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 11.50 lb/hr
Authority for Requirement: DNR Construction Permit 05-A-081-S10

Pollutant: Organic HAP
Emission Limit(s): Table 2, 40 CFR Part 63 Subpart FFFF *
Authority for Requirement: DNR Construction Permit 05-A-081-S10
40 CFR Part 63 Subpart FFFF
567 IAC 23.1(4)"cf"

*Facility chose ≤ 20 ppmv total organic HAP option

Operating Requirements with Associated Monitoring and Recordkeeping

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

NESHAP REQUIREMENTS

A. The owner or operator shall complete and maintain an evaluation demonstrating that the fermentation process described in this permit does not meet the definition of "*continuous process vent*" in §63.2550.
B. As required by 40 CFR §63.6(e), the owner or operator shall develop and implement a written startup, shutdown, and malfunction plan (SSMP), unless otherwise excluded within the applicable standards.
C. Per 40 CFR §63.2450(a) and as indicated in §63.2460, the owner or operator of equipment associated with batch process vents as defined in §63.2550 shall comply with the applicable emission limits and work practice standards in Table 2 to Subpart FFFF of Part 63 at all times, except during periods of startup, shutdown, and malfunction (SSM).
D. As required by 40 CFR §63.2450(e)(1), the owner or operator reducing organic HAP emissions through a closed-vent system to any combination of control devices (except a flare) shall comply with the applicable requirements in §63.982(c) and the requirements reference therein.
E. The owner or operator shall comply with all applicable requirements in 40 CFR §63.2460 for batch process vents, including, but not limited §63.2460(c)(3) – *Establishing of operating limits*.
F. The owner or operator shall comply with the applicable notification, reporting, and recordkeeping requirements in 40 CFR §63.2515, §63.2520, and §63.2525, respectively.

Precondenser (CE-C40B) and CO_2 Scrubber (CE-C40) Operation Requirements

G. The owner or operator shall operate the Precondenser (CE-C40B) and the CO_2 Scrubber (CE-C40) at all times any of the equipment associated with the air pollution control devices is in operation.
    i. The owner or operator shall operate the Precondenser (CE-C40B) and the CO_2 Scrubber (CE-C40) until the fermentation cycles have been completed during plant shutdown.
H. The owner or operator shall install, operate, and maintain equipment necessary to continuously monitor the pressure drop (in inches of water column) across the Precondenser (CE-C40B). This equipment shall be installed, operated, and maintained in accordance with the facility's operation and maintenance plan.
    i. The daily (calendar day) average pressure drop across the Precondenser (CE-C40B)

shall be maintained at the level determined using the procedures in 40 CFR §63.2460(c)(3) that demonstrated compliance with all applicable emission limits during the most recent compliance test.

1. The owner or operator shall record the average pressure drop range (in inches of water column) across the Precondenser (CE-C40B) that was determined using the procedures in 40 CFR §63.2460(c)(3) and that demonstrated compliance with all applicable emission limits during the most recent compliance test.
2. The owner or operator shall establish an alarm setting for the purpose of initiating corrective action based on the acceptable average pressure drop range determined using the procedures in 40 CFR §63.2460(c)(3) that demonstrated compliance with all applicable emission limits during the most recent compliance test.

ii. The owner or operator shall collect and record the pressure drop (in inches of water column) across the Precondenser (CE-C40B) at a minimum of once every 15 minutes and calculate and record the average pressure drop based on a daily (calendar day) average.

iii. If the daily (calendar day) average pressure drop falls outside of the acceptable range, the owner or operator shall record the time, date, and actions taken to correct the situation and also when the average pressure drop is back within the acceptable range.

I. The owner or operator shall install, operate, and maintain equipment necessary to continuously monitor the recycled scrubbing liquid flow rate (in gallons per minute) into the Precondenser (CE-C40B). This equipment shall be installed, operated, and maintained in accordance with the facility's operation and maintenance plan.

i. The daily (calendar day) average recycled scrubbing liquid flow rate into the Precondenser (CE-C40B) shall be maintained at the level determined using the procedures in 40 CFR §63.2460(c)(3) that demonstrated compliance with all applicable emission limits during the most recent compliance test.

1. The owner or operator shall record the average recycled scrubbing liquid flow rate into the Precondenser (CE-C40B) (in gallons per minute) that was determined using the procedures in 40 CFR §63.2460(c)(3) and that demonstrated compliance with all applicable emission limits during the most recent compliance test.

ii. The owner or operator shall collect and record the recycled scrubbing liquid flow rate (in gallons per minute) into the Precondenser (CE-C40B) at a minimum of once every 15 minutes and calculate and record the average recycled scrubbing liquid flow rate based on a daily (calendar day) average.

iii. If the daily (calendar day) average recycled scrubbing liquid flow rate falls outside of the acceptable range, the owner or operator shall record the time, date, and actions taken to correct the situation and also when the average scrubbing liquid flow rate is back within the acceptable range.

J. The owner or operator shall install, operate, and maintain equipment necessary to continuously monitor the outlet water flow rate (in gallons per minute) from the Precondenser (CE-C40B). This equipment shall be installed, operated, and maintained in accordance with the facility's operation and maintenance plan.

i. The daily (calendar day) average outlet water flow rate from the Precondenser (CE-C40B) shall be maintained at the level determined using the procedures in 40 CFR §63.2460(c)(3) that demonstrated compliance with all applicable emission limits during the most recent compliance test.

1. The owner or operator shall record the average outlet water flow rate from the Precondenser (CE-C40B) (in gallons per minute) that was determined using the procedures in 40 CFR §63.2460(c)(3) and that demonstrated compliance with all applicable emission limits during the most recent compliance test.

ii. The owner or operator shall collect and record the outlet water flow rate (in gallons per minute) from the Precondenser (CE-C40B) at a minimum of once every 15 minutes and calculate and record the average recycled scrubbing liquid flow rate based on a daily (calendar day) average.

iii. If the daily (calendar day) average outlet water flow rate from the Precondenser (CE-C40B) falls outside of the acceptable range, the owner or operator shall record the time, date, and actions taken to correct the situation and also when the outlet water flow rate is back within the acceptable range.

K. The owner or operator shall install, operate, and maintain equipment necessary to continuously monitor the water flow rate (in gallons per minute) into the CO_2 Scrubber (CE-C40). This equipment shall be installed, operated, and maintained in accordance with the facility's operation and maintenance plan.

i. The daily (calendar day) average water flow rate into the CO_2 Scrubber (CE-C40) shall be maintained at the level determined using the procedures in 40 CFR §63.2460(c)(3) that demonstrated compliance with all applicable emission limits during the most recent compliance test.

1. The owner or operator shall record the average water flow rate (in gallons per minute) into the CO_2 Scrubber (CE-C40) that was determined using the procedures in 40 CFR §63.2460(c)(3) and that demonstrated compliance with all applicable emission limits during the most recent compliance test.

ii. The owner or operator shall collect and record the water flow rate (in gallons per minute) into the CO_2 Scrubber (CE-C40) at a minimum of once every 15 minutes and calculate and record the average scrubbing liquid flow rate based on a daily (calendar day) average.

iii. If the daily (calendar day) average water flow rate falls below the acceptable water flow rate level, the owner or operator shall record the time, date, and actions taken to correct the situation and also when the average water flow rate is back above the acceptable level.

L. The owner or operator shall install, operate, and maintain equipment necessary to continuously monitor the additive feed rate (in milliliters per minute) into the CO_2 Scrubber (CE-C40). This equipment shall be installed, operated, and maintained in accordance with the facility's operation and maintenance plan.

i. The daily (calendar day) average additive feed rate into the CO_2 Scrubber (CE-C40) shall be maintained at the level determined using the procedures in 40 CFR §63.2460(c)(3) that demonstrated compliance with all applicable emission limits during the most recent compliance test.

1. The owner or operator shall record the average additive feed rate range (in milliliters per minute) that was determined using the procedures in 40 CFR §63.2460(c)(3) and that demonstrated compliance with all applicable emission limits during the most recent compliance test.

ii. The owner or operator shall collect and record the additive feed rate (in milliliters per minute) into the CO_2 Scrubber (CE-C40) at a minimum of once every 15 minutes and shall calculate and record the average additive feed rate based on a daily (calendar day) average.

iii. If the daily (calendar day) average additive feed rate falls below the acceptable additive feed rate level, the owner or operator shall record the time, date, and actions taken to correct the situation and also when the average additive feed rate is back above the acceptable level.

M. The owner or operator shall install, operate, and maintain equipment necessary to continuously monitor the pressure drop (in inches of water column) across the CO_2 Scrubber (CE-C40). This equipment shall be installed, operated, and maintained in accordance with the facility's operation and maintenance plan.

i. The owner or operator shall collect and record the pressure drop (in inches of water column) across the CO_2 Scrubber (CE-C40) at a minimum of once every 15 minutes and calculate and record the average pressure drop based on a daily (calendar day) average.

N. The owner or operator shall maintain on-site a copy of the most recent stack test report that demonstrated compliance with the applicable emission limitations. This report shall also include the average values of the pressure drop across the Precondenser (CE-C40B), the recycled scrubbing liquid flow rate into the Precondenser (CE-C40B), the outlet water flow rate from the Precondenser (CE-C40B), the water flow rate to the CO_2 Scrubber (CE-C40) and the additive feed rate to the CO_2 Scrubber (CE-C40) measured during the stack test.

O. The owner or operator shall inspect and maintain the CO_2 Scrubber (CE-C40) according to the manufacturer's specifications and/or the facility's (Plant No. 85-02-017) operation and maintenance plan.

i. The owner or operator shall keep a log of all maintenance and inspection activities performed on CO_2 Scrubber (CE-C40). At a minimum, this log shall include:

1. The date that any inspection and/or maintenance was performed on the CO_2 Scrubber (CE-C40);
2. Any issues identified during the inspection;
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.

P. The owner or operator shall inspect and maintain the Precondenser (CE-C40B) according to the manufacturer's specifications and/or the facility's (Plant No. 85-02-017) operation and maintenance plan.

i. The owner or operator shall keep a log of all maintenance and inspection activities performed on the Precondenser (CE-C40B). At a minimum, this log shall include:

1. The date that any inspection and/or maintenance was performed on the Precondenser (CE-C40B);
2. Any issues identified during the inspection;

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 05-A-081-S10

NSPS and NESHAP Applicability

This facility is subject to the National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Manufacturing [40 CFR Part 63 Subpart FFFF], and these emission units are affected sources. This emission point is a Group 1 Batch Process Vent. This facility is also subject to 40 CFR Part 63 Subpart A – General Provisions.

Authority for Requirement: DNR Construction Permit 05-A-081-S10
40 CFR Part 63 Subpart FFFF
567 IAC 23.1(4)"cf"

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

Stack Height, (ft, from the ground): 80
Stack Opening, (inches, dia.): 24
Exhaust Flow Rate (scfm): 12,360
Exhaust Temperature (°F): 68
Discharge Style: Vertical, Unobstructed
Authority for Requirement: DNR Construction Permit 05-A-081-S10

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:

Pollutant – Volatile Organic Compounds (VOC)
Stack Test to be Completed – Annually [2]
Test Method – 40 CFR Part 63 Appendix A Method 320 or
40 CFR Part 60 Appendix A Method 18
Authority for Requirement - DNR Construction Permit 05-A-081-S10

Pollutant – Organic HAP
Stack Test to be Completed – [1] [2]
Test Method – 40 CFR Part 63 Appendix A Method 320 or
40 CFR Part 60 Appendix A Method 18
Authority for Requirement - DNR Construction Permit 05-A-081-S10

[1] All Organic HAP testing shall be completed on the schedule required by 40 CFR Part 63, Subpart FFFF (§63.2430 - §63.2550). If 98% percent reduction from Table 2 of Subpart FFFF is chosen, then the organic HAP inlet and outlet emission rates shall be measured simultaneously at each required test.

[2] Testing shall be conducted while all affected equipment is operating in a worst-case scenario, e.g., highest production rate, highest exhaust flow rate, etc.

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** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: S50

Associated Equipment

Associated Emission Unit ID Numbers: P50, P100
Emissions Control Equipment ID Number: CE-C50
Emissions Control Equipment Description: Vapor Combustor (6.4 MMBtu/hr)

EP	EU	Emission Unit Description	Raw Material/Fuel	Rated Capacity (gal/hr)
S50	P50	Truck Fuel Ethanol Product Loadout	Fuel Ethanol	36,000
	P100	Rail Fuel Ethanol Product Loadout	Fuel Ethanol	72,000

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 05-A-085-S6
567 IAC 23.3(2)"d"

(1) Vapor Combustor CE-C50 shall operate with no visible emissions, except for periods not exceeding a total of 5 minutes during any 2 consecutive hours.

Pollutant: Particulate Matter (PM_{10})
Emission Limit(s): 0.20 lb/hr
Authority for Requirement: DNR Construction Permit 05-A-085-S6

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.20 lb/hr; 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 05-A-085-S6
567 IAC 23.4(7)

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 0.10 tons/yr; 500 ppmv
Authority for Requirement: DNR Construction Permit 05-A-085-S6
567 IAC 23.3(3)"e"

Pollutant: Nitrogen Oxides (NO_x)
Emission Limit(s): 2.00 tons/yr
Authority for Requirement: DNR Construction Permit 05-A-085-S6

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 17.32 tons/yr
Authority for Requirement: DNR Construction Permit 05-A-085-S6

Pollutant: Carbon Monoxide (CO)
Emission Limit(s): 10.40 tons/yr
Authority for Requirement: DNR Construction Permit 05-A-085-S6

Operating Requirements with Associated Monitoring and Recordkeeping

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

A. The owner or operator shall comply with the applicable standards in 40 CFR Part 63, Subparts A [§63.1 - §63.15] and FFFF [§63.2430 - §63.2550], including those not specifically mentioned in this permit by no later than 60 days from the issuance date of Construction Permit 05-A-085-S6 (2/26/2018).

NESHAP Requirements

B. The owner or operator of a Group 2 transfer rack shall load liquid products that contain organic hazardous air pollutants with a rack weighted average vapor pressure of less than 1.5 pound per square inch absolute.
    i. The owner or operator shall maintain on-site records demonstrating that the rack weighted average organic HAP vapor pressure meets the requirements of a Group 2 transfer rack.

Equipment Operation and Throughput Limits Requirements

C. The total amount of fuel ethanol product loaded out at Plant Number 85-02-017 by truck and rail combined shall not exceed 110 million gallons per rolling twelve-month period.
    i. The owner or operator shall record the total amount of fuel ethanol product, in gallons, loaded out at the facility on a monthly basis.
    ii. The owner or operator shall calculate and record the total amount of fuel ethanol product, in gallons, loaded out at the facility on a rolling 12-month basis.

Control Equipment Requirements

D. The owner or operator shall operate Vapor Combustor CE-C50 at all times that emissions are vented to it.
E. Vapor Combustor CE-C50 shall be designed for and operated with no visible emissions, except for periods not exceeding a total of 5 minutes during any 2 consecutive hours.
F. Vapor Combustor CE-C50 shall be operated with a pilot flame present at all times. The presence of a pilot flame shall be monitored using a thermocouple or any other equivalent device to detect the presence of a flame.

i. The owner or operator shall continuously verify the output of the flame detection system indicating the presence of a flame while loading.

G. The owner or operator shall inspect and maintain Vapor Combustor CE-C50 according to the manufacturer's specifications and/or the facility's (Plant No. 85-02-017) operation and maintenance plan.
   i. The owner or operator shall keep a log of all maintenance and inspection activities performed on Vapor Combustor CE-C50. At a minimum, this log shall include:
      1. The date that any inspection and/or maintenance was performed on Vapor Combustor CE-C50;
      2. Any issues identified during the inspection;
      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 05-A-085-S6

NSPS and NESHAP Applicability

This facility is subject to the National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Manufacturing [40 CFR Part 63 Subpart FFFF], and these emission units are affected sources. However, this unit is classified as a Group 2 Transfer Rack with no requirements under the subpart. This facility is also subject to 40 CFR Part 63 Subpart A – General Provisions.

Authority for Requirement: DNR Construction Permit 05-A-085-S6
40 CFR Part 63 Subpart FFFF
567 IAC 23.1(4)"cf"

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

Stack Height, (ft, from the ground): 36
Stack Opening, (inches, dia.): 30
Exhaust Flow Rate (scfm): 1,500
Exhaust Temperature (°F): 1800
Discharge Style: Vertical, Unobstructed
Authority for Requirement: DNR Construction Permit 05-A-085-S6

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.

Visible emissions shall be observed on a weekly basis to ensure none occur when the emission unit on this emission point is at or near full capacity. If visible emissions are observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake visible emissions readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Maintain a written record of the observation and any action resulting from the observation for a minimum of five years.

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 Numbers: S61 and S62

Associated Equipment

Associated Emission Unit ID Numbers: P61, P62
Emissions Control Equipment ID Number: CE C61, CE C62
Emissions Control Equipment Description: Internal Floating Roof

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EP	EU	Emission Unit Description	Raw Material	Maximum Capacity (gallons)
S61	P61	Ethanol Storage Tank #1	Denatured Ethanol	1,000,000
S62	P62	Ethanol Storage Tank #2	Denatured Ethanol	1,000,000

Applicable Requirements

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

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 0.75 tons/yr
Authority for Requirement: DNR Construction Permit 05-A-074-S5, 05-A-075-S5

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

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 storage tank (EU P61) shall be used to store only denatured ethanol or ethanol.
B. The total amount of denatured ethanol or ethanol transferred to storage tanks EU P61, EU P62, and EU P67 shall not exceed 100,000,000 gallons in any rolling 12-month period.
    i. The owner or operator shall maintain the following monthly records:
        1. The total amount of denatured ethanol or ethanol transferred to storage tanks EU P61, EU P62, and EU P67 in gallons; and
        2. The rolling 12-month total amount of denatured ethanol or ethanol transferred to storage tanks EU P61, EU P62, and P67 in gallons.
C. The storage tank (EU P61) shall be equipped with an internal floating roof that meets the specifications listed in 40 CFR §60.112b(a)(1).
    i. The owner or operator shall:
        a. Maintain all required reports and recordkeeping specified in 40 CFR §60.115b(a). This shall include a record of all inspections as required by 40

CFR §60.113b(a). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed conditions of each component of the control equipment (seals, internal floating roof, and fittings).

b. Keep records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the source, as specified in 40 CFR §60.116b(b); and

c. Maintain a record of the volatile organic liquids (VOL) stored in the vessel, the period of storage, and the maximum true vapor pressure of the VOL during the respective storage period, as specified in 40 CFR §60.116b(c).

D. The owner or operator shall develop an operating and maintenance plan for the Internal Floating Roof (CE C61), including a preventative maintenance schedule that is consistent with the manufacturer's instructions for routine and long-term maintenance.

i. The owner or operator shall maintain a record of all inspections and maintenance and any action resulting from the inspection and maintenance of the Internal Floating Roof (CE C61).

Authority for Requirement: DNR Construction Permits 05-A-074-S5; 05-A-075-S5

NSPS and NESHAP Applicability

These emission units are subject to the New Source Performance Standard (NSPS) for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction, or Modification Commenced after July 23, 1984 (40 CFR 60 Subpart Kb; 567 IAC 23.1(2)"ddd"). This emission unit is also subject to the General Provisions (40 CFR Part 60 Subpart A).

Authority for Requirement: DNR Construction Permits 05-A-074-S5; 05-A-075-S5
40 CFR Part 60 Subpart Kb
567 IAC 23.1(2)"ddd"

This facility is subject to the National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Manufacturing [40 CFR Part 63 Subpart FFFF], and these emission units are affected sources. However, these units are classified as Group 2 Storage Tanks with no requirements under the subpart. This facility is also subject to 40 CFR Part 63 Subpart A – General Provisions.

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

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

	EP-S61 and EP-S62	
	6 vents	**1 vent**
Stack Height (ft, from the ground)	47	51
Stack Opening	386.66 in^2 each	10 in dia.
Exhaust Flow Rate (scfm)	Working/Breathing Loss	Working/Breathing Loss
Exhaust Temperature (°F)	Ambient	Ambient
Discharge Style	Horizontal	Downward
Authority for Requirement	DNR Construction Permit 05-A-074-S5 DNR Construction Permit 05-A-075-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.

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: S63

Associated Equipment

Associated Emission Unit ID Numbers: P63
Emissions Control Equipment ID Number: CE63
Emissions Control Equipment Description: Internal Floating Roof

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Emission Unit vented through this Emission Point: P63
Emission Unit Description: 200 Proof Ethanol Storage Tank
Raw Material/Fuel: 200 Proof Ethanol
Rated Capacity: 165,000 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): 0.48 tons/yr
Authority for Requirement: DNR Construction Permit 05-A-076-S5

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

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 storage tank (EU P63) shall be used to store only 200 Proof ethanol (anhydrous).
B. The total amount of 200 Proof ethanol transferred to storage tank EU P63 shall not exceed 100,000,000 gallons in any rolling 12-month period.
    i. The owner or operator shall maintain the monthly records:
        1. The total amount of 200 Proof ethanol transferred to storage tank EU P63 in gallons; and
        2. The rolling 12-month total amount of 200 Proof ethanol transferred to storage tank EU P63 in gallons.
C. The storage tank (EU P63) shall be equipped with an internal floating roof that meets the specifications listed in 40 CFR §60.112b(a)(1).
    i. The owner or operator shall:
        d. Maintain all required reports and recordkeeping specified in 40 CFR §60.115b(a). This shall include a record of all inspections as required by 40 CFR §60.113b(a). Each record shall identify the storage vessel on which the

inspection was performed and shall contain the date the vessel was inspected and the observed conditions of each component of the control equipment (seals, internal floating roof, and fittings).

e. Keep records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the source, as specified in 40 CFR §60.116b(b); and

f. Maintain a record of the volatile organic liquids (VOL) stored in the vessel, the period of storage, and the maximum true vapor pressure of the VOL during the respective storage period, as specified in 40 CFR §60.116b(c).

D. The owner or operator shall develop an operating and maintenance plan for the Internal Floating Roof (CE C63), including a preventative maintenance schedule that is consistent with the manufacturer's instructions for routine and long-term maintenance.

i. The owner or operator shall maintain a record of all inspections and maintenance and any action resulting from the inspection and maintenance of the Internal Floating Roof (CE C63).

Authority for Requirement: DNR Construction Permit 05-A-076-S5

NSPS and NESHAP Applicability

This unit is subject to the New Source Performance Standard (NSPS) for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction, or Modification Commenced after July 23, 1984 (40 CFR 60 Subpart Kb; 567 IAC 23.1(2)"ddd"). This emission unit is also subject to the General Provisions of Subpart A of the NSPS 40 CFR Part 60.

Authority for Requirement: DNR Construction Permit 05-A-076-S5
40 CFR Part 60 Subpart Kb
567 IAC 23.1(2)"ddd"

This facility is subject to the National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Manufacturing [40 CFR Part 63 Subpart FFFF], and this emission unit is an affected source. However, this unit is classified as a Group 2 Storage Tank source with no requirements under the subpart. This facility is also subject to 40 CFR Part 63 Subpart A – General Provisions.

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

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

	6 vents	**1 vent**
Stack Height (ft, from the ground)	48	52
Stack Opening	380 in^2	10 in dia.
Exhaust Flow Rate (scfm)	Working/Breathing Loss	Working/Breathing Loss
Exhaust Temperature (°F)	Ambient	Ambient
Discharge Style	Horizontal	Downward
Authority for Requirement	DNR Construction Permit 05-A-076-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.

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: S64

Associated Equipment

Associated Emission Unit ID Numbers: P64
Emissions Control Equipment ID Number: CE C64
Emissions Control Equipment Description: Internal Floating Roof

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Emission Unit vented through this Emission Point: P64
Emission Unit Description: Denaturant Storage Tank
Raw Material/Fuel: Denaturant
Rated Capacity: 165,000 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): 1.72 tons/yr
Authority for Requirement: DNR Construction Permit 05-A-077-S4

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

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 storage tank (EU P64) shall be used to store only denaturant.
    i. The owner or operator shall maintain an updated Safety Data Sheet or manufacturer's specification sheet on the denaturant stored in the storage tank (EU P64).
B. The total amount of denaturant transferred to storage tanks EU P64 shall not exceed 3,100,000 gallons in any rolling 12-month period.
    i. The owner or operator shall maintain the following monthly records:
        1. The amount of denaturant transferred to storage tank EU P64 in gallons; and
        2. The rolling 12-month total amount of denaturant transferred to storage tank EU P64 in gallons.
C. The storage tank (EU P64) shall be equipped with an internal floating roof that meets the specifications listed in 40 CFR §60.112b(a)(1).
    i. The owner or operator shall:
        a. Maintain all required reports and recordkeeping specified in 40 CFR §60.115b(a). This shall include a record of all inspections as required by 40

CFR §60.113b(a). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed conditions of each component of the control equipment (seals, internal floating roof, and fittings).

b. Keep records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the source, as specified in 40 CFR §60.116b(b); and

c. Maintain a record of the volatile organic liquids (VOL) stored in the vessel, the period of storage, and the maximum true vapor pressure of the VOL during the respective storage period, as specified in 40 CFR §60.116b(c).

D. The owner or operator shall develop an operating and maintenance plan for the Internal Floating Roof (CE C64), including a preventative maintenance schedule that is consistent with the manufacturer's instructions for routine and long-term maintenance.

i. The owner or operator shall maintain a record of all inspections and maintenance and any action resulting from the inspection and maintenance of the Internal Floating Roof (CE C64).

E. The owner or operator shall comply with the applicable requirements from §63.2470 and Table 4 to 40 CFR Part 63, Subpart FFFF. Table 4 requires that any storage tank storing a liquid with a maximum true vapor pressure of total HAP of less than 76.6 kilopascals comply with the requirements of 40 CFR Part 63, Subpart WW, National Emission Standards for Storage Vessels (Tanks) – Control Level 2, except as specified in §63.2470

Authority for Requirement: DNR Construction Permit 05-A-077-S4

NSPS and NESHAP Applicability

This unit is subject to the New Source Performance Standard (NSPS) for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction, or Modification Commenced after July 23, 1984 (40 CFR 60 Subpart Kb; 567 IAC 23.1(2)"ddd"). This emission unit is also subject to the General Provisions of Subpart A of the NSPS 40 CFR Part 60.

Authority for Requirement: DNR Construction Permit 05-A-077-S4
40 CFR Part 60 Subpart Kb
567 IAC 23.1(2)"ddd"

This facility is subject to the National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Manufacturing [40 CFR Part 63 Subpart FFFF], and this emission unit is an affected source as a Group 1 Storage Tank. This facility is also subject to 40 CFR Part 63 Subpart A – General Provisions.

Per 40 CFR 63.2535(c), the facility complies with this subpart by complying with the requirements of 40 CFR 60 Subpart Kb.

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

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

	6 vents	**1 vent**
Stack Height (ft, from the ground)	48	52
Stack Opening	380 in^2 each	10 in dia.
Exhaust Flow Rate (scfm)	Working/Breathing Loss	Working/Breathing Loss
Exhaust Temperature (°F)	Ambient	Ambient
Discharge Style	Horizontal	Downward
Authority for Requirement	DNR Construction Permit 05-A-077-S4	

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: S65

Associated Equipment

Associated Emission Unit ID Numbers: P65
Emissions Control Equipment ID Number: CE C65
Emissions Control Equipment Description: Internal Floating Roof

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Emission Unit vented through this Emission Point: P65
Emission Unit Description: 190 Proof Ethanol Storage Tank
Raw Material/Fuel: 190 Proof Ethanol
Rated Capacity: 165,000 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): 0.50
Authority for Requirement: DNR Construction Permit 05-A-078-S5

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

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 storage tank (EU P65) shall be used to store only 190 Proof ethanol.

B. The total amount of 190 Proof ethanol transferred to storage tank EU P65 shall not exceed 107,250,000 gallons in any rolling 12-month period.
    i. The owner or operator shall maintain the monthly records:
        1. The total amount of 190 Proof ethanol transferred to storage tank EU P65 in gallons; and
        2. The rolling 12-month total amount of 190 Proof ethanol transferred to storage tank EU P65 in gallons.

C. The storage tank (EU P65) shall be equipped with an internal floating roof that meets the specifications listed in 40 CFR §60.112b(a)(1).
    i. The owner or operator shall:
        1. Maintain all required reports and recordkeeping specified in 40 CFR §60.115b(a). This shall include a record of all inspections as required

by 40 CFR §60.113b(a). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed conditions of each component of the control equipment (seals, internal floating roof, and fittings).

2. Keep records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the source, as specified in 40 CFR §60.116b(b); and
3. Maintain a record of the volatile organic liquids (VOL) stored in the vessel, the period of storage, and the maximum true vapor pressure of the VOL during the respective storage period, as specified in 40 CFR §60.116b(c).

D. The owner or operator shall develop an operating and maintenance plan for the Internal Floating Roof (CE C65), including a preventative maintenance schedule that is consistent with the manufacturer's instructions for routine and long-term maintenance.
   i. The owner or operator shall maintain a record of all inspections and maintenance and any action resulting from the inspection and maintenance of the Internal Floating Roof (CE C65).

Authority for Requirement: DNR Construction Permit 05-A-078-S5

NSPS and NESHAP Applicability

This unit is subject to the New Source Performance Standard (NSPS) for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction, or Modification Commenced after July 23, 1984 (40 CFR 60 Subpart Kb; 567 IAC 23.1(2)"ddd"). This emission unit is also subject to the General Provisions of Subpart A of the NSPS 40 CFR Part 60.

Authority for Requirement: DNR Construction Permit 05-A-078-S5
40 CFR Part 60 Subpart Kb
567 IAC 23.1(2)"ddd"

This facility is subject to the National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Manufacturing [40 CFR Part 63 Subpart FFFF], and this emission unit is an affected source. However, this unit is classified as a Group 2 Storage Tank with no requirements under the subpart. This facility is also subject to 40 CFR Part 63 Subpart A – General Provisions.

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

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

	6 vents	**1 vent**
Stack Height (ft, from the ground)	48	52
Stack Opening	380.0 in^2 each	10 in dia.
Exhaust Flow Rate (scfm)	Working/Breathing Loss	Working/Breathing Loss
Exhaust Temperature (°F)	Ambient	Ambient
Discharge Style	Horizontal	Downward
Authority for Requirement	DNR Construction Permit 05-A-078-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.

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: S66

Associated Equipment

Associated Emission Unit ID Numbers: P66
Emissions Control Equipment ID Number: CE C66
Emissions Control Equipment Description: Fixed Roof

Emission Unit vented through this Emission Point: P66
Emission Unit Description: Additive Storage Tank
Raw Material/Fuel: Corrosion Inhibitor
Rated Capacity: 2300 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.

Emission limits are not required at this time.

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

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:

Operating Limits

A. The facility is limited to storing a maximum of 8,000 gallons of additive per rolling 12-month 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. Record on a monthly basis the amount of additive stored in gallons to this tank.
B. Record and calculate the rolling 12-month total for additive stored in gallons to this tank.

Authority for Requirement: DNR Construction Permit 05-A-079-S3

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

Stack Height, (ft, from the ground): 8
Stack Opening, (square inches): 314.8
Exhaust Flow Rate (scfm): Working/Breathing Loss
Exhaust Temperature (°F): Ambient
Discharge Style: Vertical, Obstructed
Authority for Requirement: DNR Construction Permit 05-A-079-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: S67

Associated Equipment

Associated Emission Unit ID Numbers: P67
Emissions Control Equipment ID Number: CE-C67
Emissions Control Equipment Description: Internal Floating Roof

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Emission Unit vented through this Emission Point: P67
Emission Unit Description: Ethanol Storage Tank #3
Raw Material/Fuel: Denatured or Undenatured Ethanol (produced on-site or off-site)
Rated Capacity: 1,000,000 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): 0.75 tons/yr
Authority for Requirement: DNR Construction Permit 12-A-547-S5

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

A. The storage tank (EU P67) shall be used to store only denatured ethanol or ethanol.
B. The total amount of denatured ethanol or ethanol transferred to storage tanks EU P61, EU P62, and EU P67 shall not exceed 100,000,000 gallons in any rolling 12-month period.
    i. The owner or operator shall maintain the following monthly records:
        1. The total amount of denatured ethanol or ethanol transferred to storage tanks EU P61, EU P62, and EU P67 in gallons; and
        2. The rolling 12-month total amount of denatured ethanol or ethanol transferred to storage tanks EU P61, EU P62, and P67 in gallons.
C. The storage tank (EU P67) shall be equipped with an internal floating roof that meets the specifications listed in 40 CFR §60.112b(a)(1).
    i. The owner or operator shall:
        1. Maintain all required reports and recordkeeping specified in 40 CFR §60.115b(a). This shall include a record of all inspections as required by 40 CFR §60.113b(a). Each record shall identify the storage vessel on which the inspection was performed and shall contain the date the vessel was inspected and the observed conditions of each component of the control equipment (seals, internal floating roof, and fittings).

2. Keep records showing the dimension of the storage vessel and an analysis showing the capacity of the storage vessel for the life of the source, as specified in 40 CFR §60.116b(b); and
3. Maintain a record of the volatile organic liquids (VOL) stored in the vessel, the period of storage, and the maximum true vapor pressure of the VOL during the respective storage period, as specified in 40 CFR §60.116b(c).

D. The owner or operator shall develop an operating and maintenance plan for the Internal Floating Roof (CE C67), including a preventative maintenance schedule that is consistent with the manufacturer's instructions for routine and long-term maintenance.
   i. The owner or operator shall maintain a record of all inspections and maintenance and any action resulting from the inspection and maintenance of the Internal Floating Roof (CE C67).

Authority for Requirement: DNR Construction Permit 12-A-547-S5

NSPS and NESHAP Applicability

This unit is subject to the New Source Performance Standard (NSPS) for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction, or Modification Commenced after July 23, 1984 (40 CFR 60 Subpart Kb; 567 IAC 23.1(2)"ddd"). This emission unit is also subject to the General Provisions of Subpart A of the NSPS 40 CFR Part 60.

Authority for Requirement: DNR Construction Permit 12-A-547-S5
40 CFR Part 60 Subpart Kb
567 IAC 23.1(2)"ddd"

Authority for Requirement: DNR Construction Permit 12-A-547-S5

This facility is subject to the National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Manufacturing [40 CFR Part 63 Subpart FFFF], and this emission unit is an affected source. However, this unit is classified as a Group 2 Storage Tank with no requirements under the subpart. This facility is also subject to 40 CFR Part 63 Subpart A – General Provisions.

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

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

	6 vents	**1 vent**
Stack Height (ft, from the ground)	47	51
Stack Opening	386.66 in^2 each	10 in dia.
Exhaust Flow Rate (scfm)	Working/Breathing Loss	Working/Breathing Loss
Exhaust Temperature (°F)	Ambient	Ambient
Discharge Style	Horizontal	Downward
Authority for Requirement	DNR Construction Permit 12-A-547-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.

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: S70

Associated Equipment

Associated Emission Unit ID Numbers: P70
Emissions Control Equipment ID Number: CE70
Emissions Control Equipment Description: Baghouse

Emission Unit vented through this Emission Point: P70
Emission Unit Description: DDGS Cooler
Raw Material/Fuel: DDGS
Rated Capacity: 28.5 tons/hr

Applicable Requirements

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

Pollutant: Opacity
Emission Limit(s): 40% [(1)]
Authority for Requirement: DNR Construction Permit 05-A-087-S10
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): 0.80 lb/hr
Authority for Requirement: DNR Construction Permit 05-A-087-S10

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.80 lb/hr; 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 05-A-087-S10
567 IAC 23.4(7)

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 11.50 lb/hr
Authority for Requirement: DNR Construction Permit 05-A-087-S10

Pollutant: Acetaldehyde
Emission Limit(s): 1.60 lb/hr
Authority for Requirement: DNR Construction Permit 05-A-087-S10

Pollutant: Other Single HAP
Emission Limit(s): 0.50 lb/hr
Authority for Requirement: DNR Construction Permit 05-A-087-S10

Pollutant: Total HAP
Emission Limit(s): 3.00 lb/hr
Authority for Requirement: DNR Construction Permit 05-A-087-S10

Operating Requirements with Associated Monitoring and Recordkeeping

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

A. The DDGS Cooler (EU P70) is limited to processing a maximum of 27.9 tons of product/hour, based on a daily average.
   i. The owner or operator shall maintain records of the total amount of product, in tons, processed by the DDGS Cooler (EU P70) on a daily basis.
   ii. The owner or operator shall maintain records of the total number of hours that the DDGS Cooler (EU P70) operated on a daily basis.
   iii. The owner or operator shall calculate and maintain records of the daily average production rate, in tons/hour, for the DDGS Cooler (EU P70).

B. The owner or operator shall maintain a pressure drop across Baghouse C70 between 0.25 and 8 inches of water column.
   i. The owner or operator shall record the pressure drop, in inches of water column, across Baghouse C70 on a daily basis. This requirement shall not apply when the DDGS Cooler (EU P70) is not in operation.
   ii. The owner or operator shall install a pressure drop monitoring device that shall be operated and maintained according to the manufacturer's recommendations, instructions, and operating manuals, or per written facility specific operation and maintenance plan.
   iii. If the pressure drop deviates below the minimum required, the owner or operator shall record the time, date, and actions taken to correct the situation. The owner or operator shall also record when the pressure drop across Baghouse C70 has returned to or above the minimum pressure drop required.

C. At any time that visible emissions from EP S70 are observed, the owner or operator shall, as soon as practical, investigate the cause of the visible emissions and perform any corrective actions necessary to eliminate the visible emissions.

D. The conveyor system between the DGS Dryers (EU P170A, EU P170B, EU P170C) and the DDGS Cooler (EU P70) shall be enclosed and equipped with a rotary airlock. The rotary airlock shall be used at all times the DDGS Cooler (EU P70) is in operation to minimize air from the DGS Dryers being drawn into the cooler.
   i. The rotary airlock shall be operated and maintained in accordance with manufacturer's instructions and recommendations.
   ii. The DDGS cooler shall not be operated if the rotary airlock is not functioning.
   iii. The rotary airlock shall not be equipped with an exhaust vent for blowby gases.

iv. Rotor clearance shall not exceed 0.007 inch. Rotor clearance for each blade shall be checked at least twice per year. If the clearance exceeds 0.007 inch, the blade shall be replaced, modified, or adjusted to ensure proper sealing. For each inspection of the rotor blades, the following information shall be maintained:
    1. Date of rotor clearance inspection.
    2. Rotor clearance for each blade.
    3. Action taken on any clearance that exceeded 0.007 inch.

E. The owner or operator shall inspect and maintain Baghouse C70 according to the manufacturer's specifications and instructions and/or the facility's (Plant No. 85-02-017) operation and maintenance plan.
   i. The owner or operator shall keep a log of all maintenance and inspection activities performed on Baghouse C70. At a minimum, this log shall include:
      1. The date that any inspection and/or maintenance was performed on the baghouse;
      2. Any issues identified during the inspection;
      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.

F. The owner or operator shall develop an operating and maintenance plan for the rotary airlock, including a preventative maintenance schedule that is consistent with the manufacturer's instructions for routine and long-term maintenance.
   i. The owner or operator shall maintain a record of all inspections and maintenance and any action resulting from the inspection and maintenance of the rotary airlock.

Authority for Requirement: DNR Construction Permit 05-A-087-S10

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 60
Stack Opening, (inches, dia.): 36
Exhaust Flow Rate (scfm): 25,000 ± 10%
Exhaust Temperature (°F): 110
Discharge Style: Vertical, Unobstructed
Authority for Requirement: DNR Construction Permit 05-A-087-S10

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:

Pollutant – Volatile Organic Compounds (VOC)
1st Stack Test to be Completed – Annually (1)
Test Method – 40 CFR Part 63 Appendix A Method 320 or
40 CFR Part 60 Appendix A Method 18
Authority for Requirement - DNR Construction Permit 05-A-087-S10

Pollutant – Organic HAP
1st Stack Test to be Completed – Annually (1) (2)
Test Method – 40 CFR Part 63 Appendix A Method 320 or
40 CFR Part 60 Appendix A Method 18
Authority for Requirement - DNR Construction Permit 05-A-087-S10

(1) The owner or operator shall continue the pre-established annual VOC and HAP periodic testing during the months of June, July, or August.

(2) 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.

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** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: S80

Associated Equipment

Associated Emission Unit ID Numbers: P80
Emissions Control Equipment ID Number: CE80
Emissions Control Equipment Description: Demister

Emission Unit vented through this Emission Point: P80
Emission Unit Description: Cooling Tower
Raw Material/Fuel: Cooling Water
Rated Capacity: 1.5 Million Gal/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%
Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter (PM_{10})
Emission Limit(s): 6.90 tons/yr [(1)]
Authority for Requirement: DNR Construction Permit 05-A-084-S2

Pollutant: Particulate Matter (PM)
Emission Limit(s): 6.90 tons/yr [(1)]; 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 05-A-084-S2
567 IAC 23.3(2)"a"

[(1)] PM and PM_{10} are assumed to be equivalent. The limit is based on drift loss and total dissolved solids (TDS) limit of 2,500 parts per million by weight (2,500 mg / L). The limit is established to restrict potential emissions below applicable PSD "major source" thresholds. Compliance demonstration is based on mass balance approach. See Section "Operating Limits & Requirements" for details.

Operational Limits & Requirements

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

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:

Operating Limits

A. The Total Dissolved Solids (TDS) concentration in the cooling water shall not exceed 2,500 parts per million by weight (2,500 mg/L) for any single sampling event.
B. Maintain the Cooling Tower (EU-P80) according to manufacturer specifications and maintenance schedule.
C. Biocide or additive used in the cooling water shall not contain any VOC or HAP.

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 complete an analysis of the Total Dissolved Solids (TDS) concentration in the cooling water at least once for each calendar month Cooling Tower (EU-P80) is in operation. The requirement for pre-test notifications, test protocols, and pre-test meeting notifications are not required to be completed.
B. Maintain a record of all inspections/maintenance and any action resulting from the inspection / maintenance of the Cooling Tower (EU-P80).
C. Maintain onsite a copy of the Material Safety Data Sheet (MSDS) of any biocide or additive used in the cooling water detailing VOC and/or HAP content.

Authority for Requirement: DNR Construction Permit 05-A-084-S2

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

Stack Height, (ft, from the ground): 33 per cell
Stack Opening, (inches, dia.): 648 per cell
Exhaust Flow Rate (scfm): 532,100
Exhaust Temperature (°F): 85
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 05-A-084-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** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: S81

Associated Equipment

Associated Emission Unit ID Numbers: P81
Emissions Control Measure Description: Paved Road Sweeping with a maximum silt load of 2.6 g/m2

Emission Unit vented through this Emission Point: P81
Emission Unit Description: Fugitive Dust Emissions from Traffic
Raw Material/Fuel: Fugitive Dust
Rated Capacity: 2.6 g/m^2

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): (1)
Authority for Requirement: DNR Construction Permit 05-A-080-S4
567 IAC 23.3(2)"c"

(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_{10})
Emission Limit(s): 6.11 tons/yr (2)
Authority for Requirement: DNR Construction Permit 05-A-080-S4

Pollutant: Particulate Matter (PM)
Emission Limit(s): 30.53 tons/yr (2)
Authority for Requirement: DNR Construction Permit 05-A-080-S4

(2)Particulate emission limit based on silt content of 2.58 grams per square meter, and all raw material/product is shipped or received by truck. See "Operational Limits & Requirements" for details.

Operational Limits & Requirements

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

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:

Operating Limits

A. The haul road(s) surface silt loading shall not exceed 2.6 g / m^2.
B. Fugitive emissions on the paved haul road(s) shall be controlled by sweeping twice per week with a minimum of one day between sweeping events except as noted below in conditions (i), (ii), and (iii). The sweeper type must be at minimum an enclosed sweeper type.
    (i) If sweeping cannot be accomplished because the ambient air temperature (as measured at the facility during daylight operating hours) will be less than 35^0 F (1.7^0 C) or conditions due to weather could create hazardous driving conditions, then the sweeping shall be postponed and accomplished as soon after the scheduled date as the conditions preventing the sweeping have abated.
    (ii) Paved road sweeping need not occur when a rain gauge located at the site indicates that at least 0.2 inches of precipitation (water equivalent) has occurred within the preceding 24-hour time period. However, paved road sweeping shall resume within 24-hours after the precipitation event has ended.
    (iii) Paved road sweeping need not occur any day the haul roads have been treated for inclement weather.
C. All haul road(s) at the facility shall be paved.
D. The speed limit shall be posted on the haul road(s).
E. The facility shall use Best Management Practices in minimizing emissions from the haul road(s).
F. All spills on the haul road(s) shall be cleaned up immediately.

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. Performance testing on the haul road surface silt loading shall be completed on a quarterly basis. For each performance test, silt loading sampling shall be done for at least 3 different locations. Performance testing shall be completed prior to pave road sweeping. After two years of silt load sampling, the facility may request the Department to reevaluate the silt load sampling frequency requirements.
B. The owner or operator shall maintain a log for each silt load sampling event that contains the following:
    a. The date of silt load sampling event;
    b. The measured silt content in grams;

c. Sample area used for silt load sampling in meters;
d. The operator's initials.

C. The owner or operator shall record on a weekly basis, the frequency of paved road sweeping conducted on haul roads. If pave road sweeping does not occur due to inclement weather, owner or operator shall maintain a written record that contains conditions that prevented pave road sweeping.

Authority for Requirement: DNR Construction Permit 05-A-080-S4

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: S82

Associated Equipment

Associated Emission Unit ID Numbers: P82
Emissions Control Equipment ID Number: CE82
Emissions Control Equipment Description: Leak Detection and Repair (LDAR)

Emission Unit vented through this Emission Point: P82
Emission Unit Description: VOC Emissions from Equipment Leaks
Raw Material/Fuel: VOC

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): 24.95 tons/yr
Authority for Requirement: DNR Construction Permit 05-A-082-S4

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

A. The owner or operator shall comply with the applicable standards in 40 CFR Part 63, Subparts A [§63.1 – §63.16] and FFFF [§63.2430 – §63.2550], including those not specifically mentioned in this permit by no later than sixty days from the issuance date of Construction Permit 05-A-082-S4 (2/26/2018).

NESHAP Requirements

B. Per 40 CFR 63.6(e)(iii)(3), the owner or operator shall develop a written start-up, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the equipment during periods of start-up shutdown, and malfunction; and a program of corrective action for malfunctioning process, air pollution control, and monitoring equipment used to comply with the applicable requirements.
C. Per 40 CFR 63.2480(a), the owner or operator shall comply with the applicable requirements in Table 6 (*Requirements for Equipment Leaks*) to Subpart FFFF of Part 63.
D. The owner or operator shall comply with the notification, reporting, and recordkeeping requirements as outlined in 40 CFR §63.2515, §63.2520, and §63.2525, respectively.

NSPS Requirements

E. The owner or operator shall comply with the applicable requirements in 40 CFR Part 60, Subpart VV [§60.480 – §60.489], including those not specifically mentioned in this permit.
   i. The owner or operator shall comply with the applicable recordkeeping and reporting requirements in §60.486 and §60.487, respectively.

VOC Emission Limit Requirements

F. The owner or operator shall document the number and types of components used. Components include, but are not limited to valves, pumps, compressors seals, flanges, and connectors.
   i. The owner or operator shall update the component count whenever the number of components changes.
G. The owner or operator shall calculate and record the facility's VOC emissions, in tons, with the following frequency:
   i. Initially, by no later than 30 days from the issuance date of Construction Permit 05-A-082-S4 (2/26/2018).
   ii. At the end of each calendar year if the component count has changed.
   iii. Whenever there is a major process change that results in a significant increase in components.
H. The owner or operator shall use the documented component count and the calculation and the calculation methods outlined in EPA's document 453/R-95-017 titled: *Protocol for Equipment Leak Emission Estimates* (Pages 2 - 10 through 2 - 38).

Authority for Requirement: DNR Construction Permit 05-A-082-S4

NSPS and NESHAP Applicability

This equipment is subject to NSPS Subpart A – General Provisions and Subpart VV – New Source Performance Standard for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry.

Authority for Requirement: DNR Construction Permit 05-A-082-S4
40 CFR Part 60 Subpart VV
567 IAC 23.1(2)"nn"

This facility is subject to the National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Manufacturing [40 CFR Part 63 Subpart FFFF], and this emission unit is an affected source representing equipment leaks in the whole facility. This facility is also subject to 40 CFR Part 63 Subpart A – General Provisions.

Authority for Requirement: DNR Construction Permit 05-A-082-S4
40 CFR Part 63 Subpart FFFF
567 IAC 23.1(4)"cf"

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: S90

Associated Equipment

Associated Emission Unit ID Numbers: P90
Emissions Control Equipment ID Number: CE-C90
Emissions Control Equipment Description: Baghouse

Emission Unit vented through this Emission Point: P90
Emission Unit Description: DDGS Loadout
Raw Material/Fuel: DDGS
Rated Capacity: 220 tons/hr

Applicable Requirements

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

Pollutant: Opacity
Emission Limit(s): 40% (1)
Authority for Requirement: DNR Construction Permit 05-A-088-S7
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): 0.20 lb/hr
Authority for Requirement: DNR Construction Permit 05-A-088-S7

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.20 lb/hr; 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 05-A-088-S7
567 IAC 23.4(7)

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 0.50 lb/hr
Authority for Requirement: DNR Construction Permit 05-A-088-S7

Pollutant: Acetaldehyde
Emission Limit(s): 0.10 lb/hr
Authority for Requirement: DNR Construction Permit 05-A-088-S7

Pollutant: Other Single HAP
Emission Limit(s): 0.10 lb/hr
Authority for Requirement: DNR Construction Permit 05-A-088-S7

Pollutant: Total HAP
Emission Limit(s): 0.20 lb/hr
Authority for Requirement: DNR Construction Permit 05-A-088-S7

Operating Requirements with Associated Monitoring and Recordkeeping

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

Equipment Operation and Throughput Limit Requirements

A. The amount of product (DDGS) loaded out at Plant Number 85-02-017 is limited to a maximum of 180 tons per hour, based on a daily average.
   i. The owner or operator shall maintain records of the total amount of DDGS, in tons, loaded out at Plant Number 85-02-017 on a daily basis.
   ii. The owner or operator shall maintain records of the total number of hours that DDGS is loaded out at Plant Number 85-02-017 on a daily basis.
   iii. The owner or operator shall calculate and maintain records of the daily average DDGS load out rate, in tons/hour.

B. The total amount of DDGS loaded out at Plant Number 85-02-017 by truck and rail combined shall not exceed 250,000 tons per rolling twelve-month period.
   i. The owner or operator shall record the total amount of DDGS, in tons, loaded out at the facility on a monthly basis.
   ii. The owner or operator shall calculate and record the total amount of DDGS, in tons, loaded out at the facility on a rolling 12-month basis.

C. The owner or operator shall conduct all DDGS loadout within an enclosure using a loading spout and operating procedures that minimize particulate matter emissions.

Control Equipment Requirements

D. The owner or operator shall maintain a pressure drop across Baghouse C90 between 0.25 and 8 inches of water column.
   i. The owner or operator shall record the pressure drop, in inches of water column, across Baghouse C90 on a daily basis. This requirement does not apply when the DDGS Cooler (EU-P90) is not in operation.
   ii. The owner or operator shall install a pressure drop monitoring device that shall be operated and maintained according to the manufacturer's recommendations, instructions, and operating manuals or per written facility specific operation and maintenance plan.
   iii. If the pressure drop deviates below the minimum required, the owner or operator shall record the time, date, and actions taken to correct the situation. The owner or operator

shall also record when the pressure drop across Baghouse C90 has returned to or above the minimum pressure drop required. *

E. At any time that visible emissions from EP-S90 are observed, the owner or operator shall, as soon as practical, investigate the cause of the visible emissions and perform any corrective actions necessary to eliminate the visible emissions.

F. The owner or operator shall inspect and maintain Baghouse C90 according to the manufacturer's specifications and instructions and/or the facility's (Plant No. 85-02-017) operation and maintenance plan.

   i. The owner or operator shall keep a log of all maintenance and inspection activities performed on Baghouse C90. At a minimum, this log shall include:

      1. The date that any inspection and/or maintenance was performed on the baghouse;
      2. Any issues identified during the inspection;
      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.

*The same recordkeeping shall be kept if the pressure drop deviates above the maximum allowed.

Authority for Requirement: DNR Construction Permit 05-A-088-S7

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 60
Stack Opening, (inches, dia.): 13
Exhaust Flow Rate (scfm): 2,500
Exhaust Temperature (°F): Ambient
Discharge Style: Vertical, Unobstructed
Authority for Requirement: DNR Construction Permit 05-A-088-S7

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:

Pollutant – Volatile Organic Compounds (VOC)
1st Stack Test to be Completed – Every Three Years (1)
Test Method – 40 CFR Part 63 Appendix A Method 320 or
40 CFR Part 60 Appendix A Method 18
Authority for Requirement - DNR Construction Permit 05-A-088-S7

Pollutant – Organic HAP (2)
1st Stack Test to be Completed – Every Three Years (1)
Test Method – 40 CFR Part 63 Appendix A Method 320 or
40 CFR Part 60 Appendix A Method 18
Authority for Requirement - DNR Construction Permit 05-A-088-S7

(1) VOC and HAP testing shall be conducted once every three years and only during the months of June, July, or August. The next VOC and HAP testing on EP-S90 shall be completed in June, July, or August of Year 2026.

(2) 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.

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** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: S111

Associated Equipment

Associated Emission Unit ID Numbers: P111

Emission Unit vented through this Emission Point: P111
Emission Unit Description: Emergency Diesel Fire Pump
Raw Material/Fuel: Diesel
Rated Capacity: 311 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 20-A-165
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): 0.13 lb/hr
Authority for Requirement: DNR Construction Permit 20-A-165

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): See Operating Requirements Section
Authority for Requirement: DNR Construction Permit 20-A-165

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 0.4 lb/hr
Authority for Requirement: DNR Construction Permit 20-A-165

Pollutant: Carbon Monoxide (CO)
Emission Limit(s): 2.2 lb/hr
Authority for Requirement: DNR Construction Permit 20-A-165

Requirements with Associated Monitoring and Recordkeeping

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

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. This engine is limited to operating a maximum of 200 hours in any rolling 12-month period.

B. This engine is limited to operate as an emergency stationary internal combustion engine as defined in §60.4219 and in accordance with §60.4211(f). There is no time limit on the use of the engine in emergency situations provided that the annual hourly limit established in Condition 5.A. is not exceeded. In accordance with §60.4211(f)(2), the engine is limited to operate a maximum of 100 hours per year for maintenance checks and readiness testing.

   i. In accordance with §60.4211(f)(3), the engine is also allowed to operate up to 50 hours per year in non-emergency situations, but the 50 hours are counted toward the 100 hours provided for maintenance and testing. The 50 hours per year for non-emergency operation cannot be used for peak shaving or non-emergency demand response or to generate income for the facility to supply power to the electric grid or otherwise supply non-emergency power as part of a financial arrangement with another entity.

C. In accordance with §60.4209(a), the engine shall be equipped with a non-resettable hour meter.

D. The owner or operator shall maintain the following monthly records:

   i. the number of hours that the engine operated for maintenance checks and readiness testing;

   ii. the number of hours that the engine operated for allowed non-emergency operations;

   iii. the total number of hours that the engine operated; and

   iv. the rolling 12-month total amount of the number of hours that the engine operated.

E. The owner or operator shall maintain the following annual records:

   i. the number of hours that the engine operated for maintenance checks and readiness testing; and

   ii. the number of hours that the engine operated for allowed non-emergency operations.

   iii. the total number of hours that the engine operated for maintenance checks, readiness testing, and allowed non-emergency operations.

F. 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 nonroad diesel fuel:

Parameter	Limit
Sulfur (S) content	15 ppm (0.0015%) by weight
Minimum cetane index **or** Maximum aromatic content	40 35% (by volume)

The owner or operator of the engine shall comply with these requirements listed above 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
iii. perform an analysis of the fuel to determine the sulfur content and cetane index or aromatic content of the fuel received.

G. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in §60.4211(g).

H. In accordance with §60.4211(a), this engine shall be operated and maintained in accordance with the manufacturer's emission-related written instructions. The owner or operator may only change emission-related engine settings that are permitted by the manufacturer.

I. The owner or operator shall maintain a copy of the engine's Certificate of Conformity as proof that it is certified to Tier 3 emission standards.

Authority for Requirement: DNR Construction Permit 20-A-165

NSPS and NESHAP Applicability

NESHAP:
The emergency engine is subject to 40 CFR 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE). According to 40 CFR 63.6590(a)(2)(ii) this compression ignition emergency engine, located at a major source, is a new stationary RICE as it was constructed on or after June 12, 2006.

According to 40 CFR 63.6590(c)(6), this emergency engine must meet the requirements of subpart ZZZZ by meeting the requirements of 40 CFR 60 Subpart IIII for compression ignition engines. No further requirements apply for this emergency engine under subpart ZZZZ.

Authority for Requirement: DNR Construction Permit 20-A-165
40 CFR Part 63 Subpart ZZZZ
567 IAC 23.1(4)"cz"

NSPS Subpart IIII Requirements

For emergency (FP) CI engines with Disp. < 30 l/cyl constructed after 7/11/2005 and manufactured after 7/1/2006:

Emission Standards:
According to 40 CFR 60.4205(c) and Table 4 to Subpart IIII, you must comply with the following emission standards in grams/kW-hr (grams/HP-hr):

Maximum Engine Power	Model Year(s)	NMHC + NOx	CO	PM
130 ≤ kW ≤ 560 (175 ≤ HP ≤ 750)	2009+	4.0 (3.0)	3.5 (2.6)	0.20 (0.15)

(1) For model years 2011-2013, manufacturers, owners and operators of fire pump stationary CI ICE in this engine power category with a rated speed of greater than 2,650 revolutions per minute (rpm) may comply with the emission limitations for 2010 model year engines.

(2) For model years 2010-2012, manufacturers, owners and operators of fire pump stationary CI ICE in this engine power category with a rated speed of greater than 2,650 rpm may comply with the emission limitations for 2009 model year engines.

Fuel Requirements (if using diesel):
You must use diesel fuel that has a maximum sulfur content of 15 ppm (0.0015%) by weight and a minimum cetane index of 40 or a maximum aromatic content of 35 percent by volume. 40 CFR 60.4207 and 40 CFR 1090.305.

Compliance Requirements:

1. You must operate and maintain the engine to comply with the required emission standards over the entire life of the engine (40 CFR 60.4206) by doing all of the following (40 CFR 60.4211(a)).
    a) Operating and maintaining the engine and control device according to the manufacturer's emission-related written instructions;
    b) Changing only those emission-related settings that are permitted by the manufacturer; and
    c) Meeting the requirements of 40 CFR 89, 94 and/or 1068, as they apply to you.
2. You must demonstrate compliance with the applicable emission standards by purchasing an engine certified to the applicable emission standards. The engine must be installed and configured according to the manufacturer's emission-related specifications. 40 CFR 60.4211(c).
3. If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct the following performance testing in accordance with 40 CFR 60.4212 to demonstrate compliance with applicable emission standards. You are required to notify the DNR 30 days prior to the test date and are required to submit a stack test report to the DNR within 60 days after the completion of the testing. See 40 CFR 60.4211(g) for additional information.

Maximum Engine Power	Initial Test	Subsequent Test
100 ≤ HP ≤ 500	Within 1 year of engine startup, or non-permitted action [(1)]	Not required

[(1)] Non-permitted action means that you do not install, configure, operate, and maintain the engine and control device according to the manufacturer's emission-related written instructions, or you change the emission-related settings in a way that is not permitted by the manufacturer.

Operating and Recordkeeping Requirements

1. If your emergency engine does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter prior to startup of the engine (40 CFR 60.4209(a)) and, starting with the model years in the following table, you must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time. 40 CFR 60.4214(b).

Engine power	Starting model year
130 ≤ KW (175 ≤ HP)	2011

2. There is no time limit on the use of the emergency engine in emergency situations. 40 CFR 60.4211(f)(1).
3. The engine may be operated for the purpose of maintenance checks and readiness testing for a maximum of 100 hours/year. See 40 CFR 60.4211(f)(2) for more information.
4. The engine may be operated for up to 50 hours per year for non-emergency purposes. This operating time cannot be used for peak shaving or to generate income for the facility (e.g. supplying power to the grid) and should be included in the total of 100 hours allowed for maintenance checks and readiness testing. See 40 CFR 60.4211(f)(3) for more information.

Authority for Requirement: 40 CFR Part 60 Subpart IIII

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 8
Stack Opening, (inches, dia.): 6
Exhaust Flow Rate (scfm): 909
Exhaust Temperature (°F): 826
Discharge Style: Horizontal
Authority for Requirement: DNR Construction Permit 20-A-165

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: S160

Associated Equipment

Associated Emission Unit ID Numbers: P160

Emission Unit vented through this Emission Point: P160
Emission Unit Description: MDGS and MDGS Open Pile Storage and Loadout to Truck
Raw Material/Fuel: Wet Distillers Grains Soluble (WDGS) and
Modified Distiller Grains Soluble (MDGS)
Rated Capacity: 710 tons Wet Cake; 1,180 tons Modified DGS

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): (1)
Authority for Requirement: DNR Construction Permit 11-A-458-S2
567 IAC 23.3(2)"d"
(1) In accordance with 567 IAC 23.3(2)"c", the owner or operator shall take all reasonable precautions to prevent the discharge of visible emissions of fugitive dust beyond the lot line of the property on which the emissions originate
Pollutant: Particulate Matter (PM_{10})
Emission Limit(s): 0.5 lb/hr
Authority for Requirement: DNR Construction Permit 11-A-458-S2

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.5 lb/hr; 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 11-A-458-S2
567 IAC 23.4(7)

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 16.5 lb/hr
Authority for Requirement: DNR Construction Permit 11-A-458-S2

Pollutant: Acetaldehyde
Emission Limit(s): 0.014 lb/hr
Authority for Requirement: DNR Construction Permit 11-A-458-S2

Pollutant: Single HAP
Emission Limit(s): 2.5 lb/hr
Authority for Requirement: DNR Construction Permit 11-A-458-S2

Pollutant: Total HAP
Emission Limit(s): 3.23 lb/hr
Authority for Requirement: DNR Construction Permit 11-A-458-S2

Operational Limits & Requirements

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

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 amount of Wet and Modified Distillers Grains and Solubles (DGS) stored in the open storage pile (EU P160) and shipped out via truck shall not exceed 125,000 tons in any rolling 12-month period.
    i. The owner or operator shall maintain the following monthly records:
        1. The amount of Wet and Modified DGS added to the open storage pile (EU P160); and
        2. The rolling 12-month total amount of the Wet and Modified DGS produced by the facility and added to the open storage pile (EU P160).
B. The owner or operator shall maintain a record of any analytical testing performed on the Wet and Modified DGS that determined VOC or HAP content and that is stored in the open storage pile (EU P160).

Authority for Requirement: DNR Construction Permit 11-A-458-S2

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: S170

Associated Equipment

Associated Emission Unit ID Numbers: See table below
Emissions Control Equipment ID Number: CE-C170
Emissions Control Equipment Description: Regenerative Thermal Oxidizer (15 MMBtu/hr)

EU	Emission Unit Description	Raw Material	Rated Capacity
P170A	DDGS Dryer #1	DDGS	28.5 tons/hr, combined
P170B	DDGS Dryer #2	DDGS	
P170C	DDGS Dryer #3	DDGS	
P171	Centrate Tank (2 total)	Centrate	1,200 gallons
	Centrifuges	Stillage	1,950 gallons per minute
	200 Proof Condenser	Ethanol	9,000 gallons per hour
	190 Proof Condenser	Ethanol	480 gallons per minute
	CIP Screen	CIP	450 gallons per minute
	Slurry Tanks (2 total)	Mash	17,000 gallons
	Yeast Tanks (2 total)	Yeast	13,500 gallons
	Slurry Mixer	Mash	1,250 gallons per minute
	Cook Water Tank	Mash	146,000 gallons
	Beer Column Feed	Beer	1,300 gallons per minute
	Molecular Sieves (4 total)	Beer	200 gallons per minute
	Membrane Feed Tank	Beer	4,000 gallons
	Membrane Module	Beer	28.5 gallons per minute
	Evaporators (8 total)	Beer	9,200 square feet
	Syrup Tank	Syrup	51,000 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: Opacity
Emission Limit(s): 40 % [(1)]
Authority for Requirement: DNR Construction Permit 14-A-178-S8

[(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): 4.33 lb/hr; 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 14-A-178-S8
567 IAC 23.4(7)

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: DNR Construction Permit 14-A-178-S8
567 IAC 23.3(3)"e"

Pollutant: Nitrogen Oxides (NO_x)
Emission Limit(s): 4.2 lb/hr
Authority for Requirement: DNR Construction Permit 14-A-178-S8

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 15.00 lb/hr
Authority for Requirement: DNR Construction Permit 14-A-178-S8

Pollutant: Total Organic HAP
Emission Limit(s): See Table 1, 40 CFR Part 63 Subpart FFFF *
Authority for Requirement: DNR Construction Permit 14-A-178-S8
40 CFR Pat 63 Subpart FFFF
567 IAC 23.1(4)"cf"

* The facility chose ≤ 20 ppmv total organic HAP option.

Operating Requirements with Associated Monitoring and Recordkeeping

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

NESHAP REQUIREMENTS

A. The owner or operator shall comply with the applicable requirements in 40 CFR Part 63, Subparts A [§63.1 – 63.15], FFFF [§63.2430 – 63.2550], including those not specifically mentioned in this permit.
B. As required by 40 CFR §63.6(e) of Subpart A, the facility shall develop and implement a written startup, shutdown and malfunction plan (SSMP) unless otherwise excluded within the applicable standards.
C. As required by 40 CFR §63.2450(e)(1) of Subpart FFFF, the owner or operator of this equipment shall comply with the requirements of 40 CFR §63.982(c) of Subpart SS.
D. Per 40 CFR §63.2450(a) of Subpart FFFF and as indicated in §63.2455 of Subpart FFFF, the owner or operator of equipment associated with continuous process vents as defined in §63.2550 of Subpart FFFF shall comply with the applicable emission limits and work practice standards in Table 1 to Subpart FFFF of Part 63 at all times, except during periods of startup, shutdown, and malfunction (SSM).
E. In accordance with 40 CFR §63.2450(e) of Subpart FFFF and as indicated in 40 CFR §63.982(c) of Subpart SS, the owner or operator shall comply with the applicable recordkeeping requirements in 40 CFR §63.998 of Subpart SS and with the reporting

requirements in 40 CFR §63.999 of Subpart SS for control devices used in closed vent systems.

F. The owner or operator shall comply with the notification, reporting, and recordkeeping requirements as outlined in 40 CFR §63.2515, §63.2520, and §63.2525, respectively.

G. The owner or operator shall meet all the applicable recordkeeping requirements for the temperature monitoring system, as specified in 40 CFR Part 63 Subpart SS [Paragraphs §63.998(b), (c), and (d)] and the requirements referenced therein. This includes records of the daily average value of the temperature of the regenerative thermal oxidizer (CE C170a) for each operating day determined according to the procedures specified in §63.998(b)(3)(i) and (ii) of Subpart SS and records of periods when the temperature drops below the operating range established pursuant to §63.996(c)(6) of Subpart SS.

H. As specified in 40 CFR §63.996(c) of Subpart SS, the following conditions for the temperature monitoring system shall be followed:

1) All monitoring equipment shall be installed, calibrated, maintained, and operated according to manufacturer's specifications or other written procedures that provide adequate assurance that the equipment would reasonably be expected to monitor accurately.
2) The owner or operator shall maintain and operate the equipment in a manner consistent with good air pollution control practices.
    i. The owner or operator shall ensure the immediate repair or replacement of parts to correct "routine" or otherwise predictable equipment malfunctions. The necessary parts for routine repairs of the affected equipment shall be readily available.
    ii. The owner or operator shall develop and follow a start-up, shutdown, and malfunction plan, and equipment shall be repaired immediately. This action shall be recorded as specified in §63.998(c)(1)(ii)(E) of Subpart SS.
3) All monitoring equipment shall be installed and operational and the data verified as specified in Subpart FFFF or SS either prior to or in conjunction with conducting performance tests. Verification of operational status shall, at a minimum, include the completion of the manufacturer's written specifications or recommendations for installation, operation, and calibration of the system or other written procedures that provide adequate assurance that the equipment would reasonably be expected to monitor accurately.
4) All monitoring equipment shall be installed such that representative measurements of parameters from the regenerative thermal oxidizer (CE C170a) are obtained.
5) In accordance with 40 CFR Part 63 Subpart FFFF, except for system breakdowns, repairs, maintenance periods, instrument adjustments, or checks to maintain precision and accuracy, calibration checks, and zero and span adjustments, the temperature monitoring systems shall be in continuous operation when emissions are being routed to the monitored device.
6) The owner or operator shall establish a range for monitored parameters that indicates proper operation of the regenerative thermal oxidizer (CE C170a). In order to establish the range, the information required in §63.999(b)(3) of Subpart SS shall be submitted in the "Notification of Compliance Status," or the operating permit, or amendment. The range may be based upon a prior performance test meeting the specifications in §63.997(b)(1) of Subpart SS or a prior "total resource effectiveness"

index value determination, as applicable, or upon existing ranges or limits established under 40 CFR Part 63 Subpart FFFF.

I. Performance test records shall be kept as specified in §63.998(a)(2) and any performance test reports shall be submitted as specified in §63.999(a)(2).

EQUIPMENT OPERATION and RTO REQUIREMENTS

J. The dryers (EU P170A, EU P170B, and EU P170C) are limited to processing a combined maximum of 27.9 tons of product per hour, based on a daily average.
    1) The owner or operator shall maintain records of the total estimated amount of product, in tons, processed by the dryers on a daily basis.
    2) At the end of each calendar month, the owner or operator shall update the daily production amount, in tons, as necessary, based on the final accounting inventories.
    3) The owner or operator shall maintain records of the total number of hours that the dryers operated on a daily basis.
    4) The owner or operator shall calculate and maintain records of the daily average production rate, in tons/hour, for all the dryers combined.

K. The dryers and the regenerative thermal oxidizer shall combust only natural gas and/or process off-gases.

L. Per 40 CFR §63.988 (a)(2), the regenerative thermal oxidizer (CE C170a) shall be operated at all times when emissions are vented to it.

M. The owner or operator shall install, operate, and maintain equipment necessary to continuously monitor the operating temperature (in degrees Fahrenheit) of the regenerative thermal oxidizer (CE C170a).

N. The regenerative thermal oxidizer (CE C170a) operating temperature, measured as a 3-hour average, shall be maintained at the level determined according to the procedures specified in §63.998(b)(3)(i) and (ii) of Subpart SS that demonstrated compliance with all applicable emission limits during the most recent compliance test.
    1) The owner or operator shall record and maintain the acceptable average operating temperature range that demonstrated compliance with all applicable emission limits during the most recent compliance test.
    2) The owner or operator shall collect and record the operating temperature (in degrees Fahrenheit) of the regenerative thermal oxidizer (CE C170a) at a minimum of once every 15 minutes and calculate and record the operating temperature 3-hour average. The operating temperature 3-hour average shall be calculated using all data points collected during the averaging period.
    3) If any operating temperature 3-hour average does not comply with the acceptable average operating temperature range, the owner or operator shall investigate and make any necessary corrections.

O. The owner or operator shall maintain on-site a copy of the most recent stack test report listing the operating temperature of the regenerative thermal oxidizer (CE C170a) measured during the most recent stack test that demonstrated compliance with the applicable emission limitations.

P. The owner or operator shall inspect and maintain the regenerative thermal oxidizer (CE C170a) according to the manufacturer's specifications and/or the facility's (Plant No. 85-02-017) operation and maintenance plan.

1) The owner or operator shall keep a log of all maintenance and inspection activities performed on the regenerative thermal oxidizer (CE C170a). At a minimum, this log shall include:
    i. The date that any inspection and/or maintenance was performed on the regenerative thermal oxidizer (CE C170a);
2) Any issues identified during the inspection;
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 14-A-178-S8

NSPS and NESHAP Applicability

This facility is subject to the National Emission Standards for Hazardous Air Pollutants for Miscellaneous Organic Chemical Manufacturing [40 CFR Part 63 Subpart FFFF], and this emission unit is an affected source as a Group1 Continuous Process Vent. This facility is also subject to 40 CFR Part 63 Subpart A – General Provisions.

Authority for Requirement: DNR Construction Permit 14-A-178-S8
40 CFR Part 63 Subpart FFFF
567 IAC 23.1(4)"cf"

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

Stack Height, (ft, from the ground): 125
Stack Opening, (inches, dia.): 84
Exhaust Flow Rate (scfm): 62,235
Exhaust Temperature (°F): 300
Discharge Style: Vertical, Unobstructed
Authority for Requirement: DNR Construction Permit 14-A-178-S8

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:

Pollutant – Volatile Organic Compounds (VOC)
1st Stack Test to be Completed – Every Three Years [(1)]
Test Method – 40 CFR Part 63 Appendix A Method 320 or
40 CFR Part 60 Appendix A Method 18
Authority for Requirement - DNR Construction Permit 14-A-178-S8

Pollutant – Organic HAP
1st Stack Test to be Completed – [(2)]
Test Method – 40 CFR Part 63 Appendix A Method 320 or
40 CFR Part 60 Appendix A Method 18
Authority for Requirement - DNR Construction Permit 14-A-178-S8

[(1)] VOC periodic testing shall be conducted once every three years and it shall be conducted during the months of June, July, or August. The owner or owner's authorized agent shall complete the next VOC testing on EP-S170 during the months of June, July, or August in 2026.

[(2)] Organic HAP testing shall be completed on the schedule required by 40 CFR Part 63, Subpart FFFF (§63.2430 - §63.2550). If 98% percent reduction from Table 1 of Subpart FFFF is chosen, then the organic HAP inlet and outlet emission rates shall be measured simultaneously at each required test.

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** ☐

The Operating Requirements with Associated Monitoring and Recordkeeping section of this permit includes CAM equivalent monitoring and recordkeeping. No additional plan is needed at this time.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: S180

Associated Equipment

Associated Emission Unit ID Numbers: P180
Continuous Emissions Monitors ID Numbers: ME 180

Emission Unit vented through this Emission Point: P180
Emission Unit Description: Natural Gas Boiler
Raw Material/Fuel: Natural Gas
Rated Capacity: 238 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 14-A-179-S2

[(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): 1.76 lb/hr; 0.2 lb/MMBtu
Authority for Requirement: DNR Construction Permit 14-A-179-S2
567 IAC 23.3(2)"b"(3)

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: DNR Construction Permit 14-A-179-S2
567 IAC 23.3(3)"e"

Pollutant: Nitrogen Oxides (NO_x)
Emission Limit(s): 0.2 lb/MMBtu [(2)]
Authority for Requirement: DNR Construction Permit 14-A-179-S2
40 CFR Part 60 Subpart Db
567 IAC 23.1(2)"ccc"

[(2)]As indicated in 40 CFR §60.44b(h), this limit applies at all times, including periods of startup, shutdown, and malfunction. In addition, as indicated in 40 CFR §60.44b(i), compliance with this limit is determined on a 30-day rolling average basis.

Operating Requirements with Associated Monitoring and Recordkeeping

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

A. Natural Gas Boiler, EU-P180, shall combust only natural gas.

B. The owner or operator shall comply with the applicable standards in 40 CFR Part 60, Subpart Db [§60.40b - §60.49b], including those not specifically mentioned in this permit.

   i. The owner or operator shall maintain records of the following information for each steam generating unit operating day. This information shall be submitted in a report, as required in 40 CFR §60.49b(i).

      1. Calendar date;
      2. The average hourly NO_x emission (as NO_2) rates measured;
      3. The 30-day average NO_x emission rates calculated at the end of each steam generating unit operating day from the measured hourly nitrogen oxide emission rates for the preceding 30 steam generating unit operating days;
      4. Identification of the steam generating unit operating days when the calculated 30-day average NO_x emission rates are in excess of the NO_x emission standard in §60.44b, with the reasons for such excess emissions as well as a description of corrective actions taken;
      5. Identification of the steam generating unit operating days for which pollutant data have not been obtained, including reasons for not obtaining sufficient data and a description of corrective actions taken;
      6. Identification of the times when emission data have been excluded from the calculation of average emission rates and the reasons for excluding data;
      7. Identification of the "F" factor used for calculations, method of determination, and type of fuel combusted;
      8. Identification of the times when the pollutant concentration exceeds full span of the CEMS;
      9. Description of any modifications to the CEMS that could affect the ability of the CEMS to comply with Performance Specification 2 or 3; and
      10. Results of daily CEMS drift tests and quarterly accuracy assessments as required in 40 CFR Appendix F, Procedure 1.

Authority for Requirement: DNR Construction Permit 14-A-179-S2

NSPS and NESHAP Applicability

This emission unit is subject to Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units [40 CFR Part 60 Subpart Db], and 40 CFR Part 60 Subpart A – General Provisions.

Authority for Requirement: DNR Construction Permit 14-A-179-S2
40 CFR Part 60 Subpart Db
567 IAC 23.1(2)"ccc"

This emission unit is subject to 40 CFR Part 63, Subpart DDDDD – National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters.

Authority for Requirement: 40 CFR Part 63 Subpart DDDDD

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

Stack Height, (ft, from the ground): 60
Stack Opening, (inches, dia.): 54
Exhaust Flow Rate (scfm): 52,026
Exhaust Temperature (°F): 300
Discharge Style: Vertical, Unobstructed
Authority for Requirement: DNR Construction Permit 14-A-179-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.

Continuous Emissions Monitoring:

Pollutant – NO_x
Operational Specifications – 40 CFR 60 Appendix B
Date of Initial System Calibration and Quality Assurance – 11/21/2017
Ongoing System Calibration/Quality Assurance – 40 CFR 60 Appendix B
Reporting & Record keeping – 40 CFR 60 Appendix B
Authority for Requirement – DNR Construction Permit 14-A-179-S2

Pollutant – Diluent O_2
Operational Specifications – 40 CFR 60 Appendix B
Date of Initial System Calibration and Quality Assurance – 11/21/2017
Ongoing System Calibration/Quality Assurance – 40 CFR 60 Appendix B
Reporting & Record keeping – 40 CFR 60 Appendix B
Authority for Requirement – DNR Construction Permit 14-A-179-S2

A. The owner or operator shall comply with the applicable monitoring requirements in 40 CFR Part 60, Subpart Db [§60.40b - §60.49b], including those not specifically mentioned in this permit.
   i. The owner or operator shall continuously monitor emissions of nitrogen oxides (NO_x) discharged to the atmosphere through EP-S180. Therefore, in accordance with 40 CFR §60.48b(b)(1), the owner or operator shall install, calibrate, maintain, and operate a continuous emissions monitoring system (CEMS) for measuring NO_x concentrations from EP-S180.
   ii. The 1-hour average NOx emission rates measured by the NOx CEMS required by 40 CFR §60.48b(b) and §60.13(h) shall be expressed in lb/MMBtu heat input and shall be used to calculate the average emission rates under 40 CFR §60.44b. The 1-hour averages shall be calculated using the data points required under 40 CFR §60.13(h)(2).
   iii. The CEMS required by this permit to monitor NO_x emissions discharged to the atmosphere through EP-S180 shall be operated and the data recorded during all periods of operation including periods of startup, shutdown, malfunction, or emergency conditions, except for CEMS breakdowns, repairs calibration checks, and zero and span adjustments.
B. The owner or operator shall follow the procedures in 40 CFR §60.13 for installation, evaluation, and operation of the CEMS.
C. The CEMS required by this permit to monitor NO_x emissions discharged to the atmosphere through EP-S180 shall be designed to meet the requirements in 40 CFR Part 60, Appendix B, Performance Specification 2 (PS2) – *Specifications and Test Procedures for SO2 and NOx Continuous Emission Monitoring Systems in Stationary Sources* and Performance Specification 6 (PS6) – *Specifications and Test Procedures for Continuous Emission Rate Monitoring Systems in Stationary Sources*.
D. The CEMS required by this permit shall comply with the applicable requirements in Appendix

F to 40 CFR Part 60 – Quality Assurance Procedures, including, but not limited to the following requirements:

i. The owner or operator shall develop and implement a quality control (QC) program. As a minimum, each QC program shall include written procedures which should describe in detail, complete, step-by-step procedures and operations for each of the following activities:
    1. Calibration of the CEMS;
    2. Calibration drift determination and adjustment of the CEMS;
    3. Preventive maintenance of the CEMS (including spare parts inventory);
    4. Data recording, calculations, and reporting;
    5. Accuracy audit procedures including sampling and analysis methods; and
    6. Program of corrective action for malfunctioning CEMS.

ii. Whenever excessive inaccuracies occur for two consecutive quarters, the owner or operator shall revise the current written procedures or shall modify or replace the CEMS to correct the deficiency causing the excessive inaccuracies.

iii. The owner or operator shall keep on-site a copy of these written procedures and shall make them available for inspection by the Department.

iv. The owner or operator shall conduct a Relative Accuracy Test Audit (RATA) at least once every four calendar quarters and shall submit RATA reports to the Department as required.

Authority for Requirement: DNR Construction Permit 14-A-179-S2

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** ☒

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: S190

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): P190
Emissions Control Equipment ID Number: CE-C190
Emissions Control Equipment Description: Low NO_x Burner & Flue Gas Recirculation
Continuous Emissions Monitors ID Numbers: N/A

Emission Unit vented through this Emission Point: S190
Emission Unit Description: Natural Gas Boiler
Raw Material/Fuel: Natural Gas
Rated Capacity: 71.5 MMBtu/hr

Applicable Requirements

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

Pollutant: Opacity
Emission Limit(s): 40 % (1)
Authority for Requirement: DNR Construction Permit 22-A-055

(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 ($PM_{2.5}$)
Emission Limit(s): 0.31 lb/hr
Authority for Requirement: DNR Construction Permit 22-A-055
567 IAC 23.3(2)“d”

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.50 lb/hr; 0.6 lb/MMBtu
Authority for Requirement: DNR Construction Permit 22-A-055
567 IAC 23.3(2)"b"(3)

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppm_v
Authority for Requirement: DNR Construction Permit 22-A-055
567 IAC 23.3(3)"e"

Pollutant: Nitrogen Oxides (NO_x)
Emission Limit(s): 2.25 lb/hr
Authority for Requirement: DNR Construction Permit 22-A-055
40 CFR Part 60 Subpart Db
567 IAC 23.1(2)"ccc"

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

A. The owner or operator shall only combust natural gas fuel in this emission unit.
B. As specified in 40 CFR Part 60 §60.48c(g), the owner or operator of this emission unit shall record and maintain records of the fuels combusted during each calendar month.
C. The owner or operator shall inspect and maintain the boiler (EU-P190) and the control equipment (low NOx burners and flue gas recirculation, CE-C190) according to the manufacturer's specifications.
    i. The owner or operator shall keep a log of all maintenance and inspection activities performed on the boiler (EU-P190) or control equipment (low NOx burners and flue gas recirculation, CE-C190). At a minimum, this log shall include:
        1. The date that any inspection and/or maintenance was performed on the boiler (EU-P190) or control equipment (CE-C190);
        2. Any issues identified during the inspection;
        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 22-A-055

NSPS and NESHAP Applicability

This emission unit is subject to Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units [40 CFR Part 60 Subpart Dc], and 40 CFR Part 60 Subpart A – General Provisions.

Authority for Requirement: DNR Construction Permit 22-A-055
40 CFR Part 60 Subpart Dc
567 IAC 23.1(2)"ccc"

This emission unit is subject to 40 CFR Part 63, Subpart DDDDD – National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters.

Authority for Requirement: 40 CFR Part 63 Subpart DDDDD

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

Stack Height, (ft, from the ground): 44.5
Stack Opening, (inches, dia.): 37.5
Exhaust Flow Rate (scfm): 15,000
Exhaust Temperature (°F): 300
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 22-A-055

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)

V. 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)"c"*

G2. Permit Expiration

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

G3. Certification Requirement for Title V Related Documents

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

G4. Annual Compliance Certification

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

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

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

G13. Hazardous Release

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

G14. Excess Emissions and Excess Emissions Reporting Requirements

1. Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does not require the shutdown of the process equipment shall be limited to one six-minute period per one-hour period. An incident of excess emission (other than an incident during startup, shutdown or cleaning of control equipment) is a violation. If the owner or operator of a source maintains that the incident of excess emission was due to a malfunction, the owner or operator must show that the conditions which caused the

incident of excess emission were not preventable by reasonable maintenance and control measures. Determination of any subsequent enforcement action will be made following review of this report. If excess emissions are occurring, either the control equipment causing the excess emission shall be repaired in an expeditious manner or the process generating the emissions shall be shutdown within a reasonable period of time. An expeditious manner is the time necessary to determine the cause of the excess emissions and to correct it within a reasonable period of time. A reasonable period of time is eight hours plus the period of time required to shut down the process without damaging the process equipment or control equipment. A variance from this subrule may be available as provided for in Iowa Code section 455B.143. In the case of an electric utility, a reasonable period of time is eight hours plus the period of time until comparable generating capacity is available to meet consumer demand with the affected unit out of service, unless, the director shall, upon investigation, reasonably determine that continued operation constitutes an unjustifiable environmental hazard and issue an order that such operation is not in the public interest and require a process shutdown to commence immediately.

2. Excess Emissions Reporting

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

i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.

ii. The estimated quantity of the excess emission.

iii. The time and expected duration of the excess emission.

iv. The cause of the excess emission.

v. The steps being taken to remedy the excess emission.

vi. The steps being taken to limit the excess emission in the interim period.

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

i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.

ii. The estimated quantity of the excess emission.

iii. The time and duration of the excess emission.

iv. The cause of the excess emission.

v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.

vi. The steps that were taken to limit the excess emission.

vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. *567 IAC 24.1(1)-567 IAC 24.1(4)*

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. *567 IAC 22.110(1)*

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

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

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

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

G18. Duty to Modify a Title V Permit

1. Administrative Amendment.

a. An administrative permit amendment is a permit revision that does any of the following:

i. Correct typographical errors

ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;

iii. Require more frequent monitoring or reporting by the permittee; or

iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittee has been submitted to the director.

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

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

2. Minor Title V Permit Modification.

a. Minor Title V permit modification procedures may be used only for those permit modifications that satisfy all of the following:

i. Do not violate any applicable requirement;

ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit;

iii. Do not require or change a case by case determination of an emission limitation or other standard, or an increment analysis;

iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act;

v. Are not modifications under any provision of Title I of the Act; and

vi. Are not required to be processed as significant modification under rule 567 - 22.113(455B).

b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:

i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;

ii. The permittee's suggested draft permit;

iii. Certification by a responsible official, pursuant to 567 IAC 22.107(4), that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used; and

iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 22.107(7).

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

3. Significant Title V Permit Modification.

Significant Title V modification procedures shall be used for applications requesting Title V permit modifications that do not qualify as minor Title V modifications or as administrative amendments. These include but are not limited to all significant changes in monitoring permit terms, every relaxation of reporting or recordkeeping permit terms, and any change in the method of measuring compliance with existing requirements. Significant Title V modifications shall meet all requirements of 567 IAC Chapter 22, including those for applications, public participation, review by affected states, and review by the administrator, as those requirements that apply to Title V issuance and renewal.

The permittee shall submit an application for a significant permit modification not later than three months after commencing operation of the changed source unless the existing Title V permit would prohibit such construction or change in operation, in which event the operation of the changed source may not commence until the department revises the permit. *567 IAC 22.111-567 IAC 22.113*

G19. Duty to Obtain Construction Permits

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

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 there under. Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners and operators of the unit or the designated representative of the owners and operators is prohibited. Exceedences of applicable emission rates are prohibited. "Held" in this context refers to both those allowances assigned to the owners and operators by USEPA, and those allowances supplementally acquired by the owners and operators. The use of any allowance prior to the year for which it was allocated is prohibited. Contravention of any other provision of the permit is prohibited. *567 IAC 22.108(7)*

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

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
    a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.
    b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.
    c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.
    d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.
2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:
    a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.
    b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.
    c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.

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

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

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

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

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

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

G24. Permit Reopenings

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

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

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

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

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

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

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

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

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

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

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

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

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

G25. Permit Shield

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

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

b. The director, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the source, and the permit includes the determination or a concise summary thereof.

2. A Title V permit that does not expressly state that a permit shield exists shall be presumed not to provide such a shield.

3. A permit shield shall not alter or affect the following:

a. The provisions of Section 303 of the Act (emergency orders), including the authority of the administrator under that section;

b. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;

c. The applicable requirements of the acid rain program, consistent with Section 408(a) of the Act;

d. The ability of the department or the administrator to obtain information from the facility pursuant to Section 114 of the Act. *567 IAC 22.108 (18)*

G26. Severability

The provisions of this permit are severable and if any provision or application of any provision is found to be invalid by this department or a court of law, the application of such provision to

other circumstances, and the remainder of this permit, shall not be affected by such finding. *567 IAC 22.108 (8)*

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) 725-9545

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
1101 Commercial Court, Suite 10
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
1020 6th Street SE
Cedar Rapids, IA 52401
(319) 892-6000

V. Appendix

Appendix A: Weblinks to Standards

A. 40 CFR 60 Subpart A – General Provisions
https://www.ecfr.gov/cgi-bin/text-idx?mc=true&node=sp40.7.60.a&rgn=div6

B. 40 CFR 60 Subpart Db – Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units
https://www.ecfr.gov/cgi-bin/text-idx?mc=true&node=sp40.7.60.d_0b&rgn=div6

C. 40 CFR 60 Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
https://www.ecfr.gov/cgi-bin/text-idx?mc=true&node=sp40.7.60.k_0b&rgn=div6

D. 40 CFR 60 Subpart VV – 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.
https://www.ecfr.gov/cgi-bin/text-idx?mc=true&node=sp40.7.60.vv&rgn=div6

E. 40 CFR 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-60/subpart-IIII

F. 40 CFR 63 Subpart A – General Provisions
https://www.ecfr.gov/cgi-bin/text-idx?mc=true&node=sp40.11.63.a&rgn=div6

G. 40 CFR 63 Subpart FFFF - National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing
https://www.ecfr.gov/cgi-bin/text-idx?mc=true&node=sp40.14.63.ffff&rgn=div6

H. 40 CFR 63 Subpart ZZZZ – National Emission Standard for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
https://www.ecfr.gov/cgi-bin/text-idx?mc=true&node=sp40.15.63.zzzz&rgn=div6