

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

**Name of Permitted Facility: Cargill, Inc. Soybean East Plant**  
**Facility Location: 410 C Avenue NE, Cedar Rapids, IA 52401**  
**Air Quality Operating Permit Number: 99-TV-044R4**  
**Expiration Date: June 29, 2027**  
**Permit Renewal Application Deadline: December 29, 2026**

**EIQ Number: 92-9015**  
**Facility File Number: 57-01-003**

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**Responsible Official**

**Name: Augusto Hofmann**  
**Title: Facility Superintendent**  
**Mailing 411 Sixth Street NE, Cedar Rapids, IA 52406**  
**Phone #: 319-399-4013**

**Permit Contact Person for the Facility**

**Name: Miguel Miller**  
**Title: EHS Coordinator**  
**Mailing 411 Sixth Street NE, Cedar Rapids, IA 52406**  
**Phone #: 319-573-3269**

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

**For the Director of the Department of Natural Resources**

*Marnie Stein*

June 30, 2022

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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
DNR	Department of Natural Resources
°F	degrees Fahrenheit
EIQ	emissions inventory questionnaire
EP	emission point
EU	emission unit
gr./dscf	grains per dry standard cubic foot
gr./100 cf	grains per one hundred cubic feet
H	Horizontal discharge
IAC	Iowa Administrative Code
MVAC	motor vehicle air conditioner
NAICS	North American Industry Classification System
NSPS	new source performance standard
ppmv	parts per million by volume
lb./hr	pounds per hour
lb./MMBtu	pounds per million British thermal units
SCC	Source Classification Codes
scfm	standard cubic feet per minute
SIC	Standard Industrial Classification
TPY	tons per year
USEPA	United States Environmental Protection Agency
V	Vertical (without rain cap or with unobstructing rain cap)
VR	Vertical, with obstruction rain cap

## Pollutants

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

# I. Facility Description and Equipment List

Facility Name: Cargill, Inc. Soybean East Plant

Permit Number: 99-TV-004R4

Facility Description: Soybean/Oil Meal (SIC 2075)

## Equipment List

Emission Point Number	Emission Unit Number	Emission Unit Description	Construction Permit Number(s) (ATI/PTO)
1	1	Grain Receiving (Truck Dump)	4876 / 4987
3	3	Grain Handling (Bean Handling/Elevator)	7334 / 7309
11	11	Purging of Hexane Vapors	DNR PSD 19-A-632P 7320 / 7397
12	12	Extraction Process	DNR PSD 19-A-633P 7321 / 7398
34	34	Meal Tank #3	6420 / 6225
36	36	Meal Tank #5	6421 / 6224
40	2	Grain Receiving (Rail Unload/Transfer)	7335 / 7406
	40	Elevator Aspiration	
42	42	Clay Tank Aspiration	2045 / 1980
43	43	Meal Truck Load-out #1	7336 / 7310
44	44	Meal Truck Load-out #2	7337 / 7311
49	49.1	Meal Dryer Deck #1	7338 / 7312
	49.2	Meal Dryer Deck #2	
	49.3	Meal Dryer Deck #3	
	49.4	Meal Cooler Deck	
56	56	99.83 MMBtu/hr Boiler	7571 / 7267
57	57	Pellet Cooler	7328 / 7313
58	58	Ground Pod Aspiration	7339 / 7314
59	59	Pellet Tank	7099 / 6904
121	121	DT Discharge Conveyor Steam Vent #2	DNR PSD 19-A-634P 7322 / 7399
122	122	DT Discharge Conveyor Steam Vent #3	DNR PSD 19-A-635P 7323 / 7400
125	125	Extraction Feed Conveyor Vent #1	DNR PSD 19-A-636P 7324 / 7401
126	126	Extraction Feed Conveyor Vent #2	DNR PSD 19-A-637P 7325 / 7402
127	127	Extraction Feed Conveyor Vent #3	DNR PSD 19-A-638P 7326 / 7403
129	129	Prep Exhaust System	7329 / 7315
130	130	Rotary Conditioner	7330 / 7316
131	131	Flaker Aspiration	7331
132	132	Meal Grinding Aspiration	7332 / 7318
133	133	Prep Vacuum System	7333 / 7319
134	134	Hull Grinding	7327 / 7320
501	005A	Grain Dryer Bottom Burner	7340 / 7321
502	005B	Grain Dryer Top Burner	7341 / 7322
503	501	Grain Dryer	7342 / 7323

<b>Emission Point Number</b>	<b>Emission Unit Number</b>	<b>Emission Unit Description</b>	<b>Construction Permit Number(s) (ATI/PTO)</b>
504			7343 / 7324

## II. Plant-Wide Conditions

Facility Name: Cargill, Inc. Soybean East Plant  
Permit Number: 99-TV-004R4

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

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### Permit Duration

The term of this permit is: less than 5 years  
Commencing on: June 30, 2022  
Ending on: June 29, 2027

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.

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### Plant-Wide Emission Limits

*The atmospheric emissions from the plant as a whole shall not exceed the following:*

The following emission limit sets a facility-wide cap for VOC emissions associated with the soy oil extraction process. This included all permitted point source and non-point source fugitive emissions.

Pollutant: Volatile Organic Compounds (VOC)<sup>(1)</sup>  
Emission Limit: 472.16 tons per year, 0.140 gal/ton<sup>(2)</sup>

<sup>(1)</sup> This is a facility-wide limit for solvent loss associated with the Solvent Extraction for the Vegetable Oil Production Plant. This limit is based on the design capacity of the plant which is limited to 110,000 bushels per day (52-week rolling average). The solvent loss limit encompasses all point and fugitive sources of solvent loss.

<sup>(2)</sup> This solvent loss ratio limit is based on a 12-month rolling average.

Pollutant: Hazardous Air Pollutants (HAP)  
Emission Limit: 0.2 gal/ton<sup>(3)</sup>

<sup>(3)</sup> Emission limit is based on NESHAP Subpart GGGG 40 CFR §63.2840 for existing conventional soybean processing sources.

Authority for Requirement: DNR PSD 19-A-632P LCPH ATI 7320; DNR PSD 19-A-633P, LCPH ATI 7321; DNR PSD 19-A-634P, LCPH ATI 7322; DNR PSD 19-A-635P, LCPH ATI 7323; DNR PSD 19-A-636P, LCPH ATI 7324; DNR PSD 19-A-637P, LCPH ATI 7325; DNR PSD 19-A-638P, LCPH ATI 7326

### Plant-Wide Operating Requirements and Associated Recordkeeping

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

- A. The mineral oil scrubber (CE012) flow rate shall be maintained at a minimum of 5 gallons per minute all times while the unit is in operation. The mineral oil scrubber temperature shall be maintained between 40°F and 100°F. The mineral oil scrubber shall be equipped with real-time sensors for scrubber oil flow rate and temperature. The owner or operator shall monitor and record the mineral oil scrubber flow rate and temperature at least once per day.
- B. The maximum VOC content of any solvent shall not exceed 5.6 pounds per gallon. The owner or operator shall maintain copies of Safety Data Sheets for all solvents used in the extraction process.

- C. The maximum solvent usage shall not exceed a 12-month rolling total of 168,630 gallons.
  - 1. Record the total solvent loss, in gallons. Calculate and record monthly and 12-month rolling totals.
  - 2. For the purpose of determining compliance with the BACT limit of 0.140 gal/ton, solvent losses from startups, shutdowns, and malfunctions shall be included.
- D. The facility shall be limited to a 12-month rolling total of 1,204,000 tons or less of soybeans processed.
  - 1. Record the amount of soybeans processed, in bushels and tons. Calculate and record monthly and 12-month rolling totals.
- E. The owner or operator shall meet the applicable General Provision requirements of 40 CFR Part 63, Subpart A to comply with 567 IAC 23.1(4)"a" and LCO Sec. 10-62(d)(1). The owner or operator shall comply with the notification and recordkeeping provisions in 40 CFR §63.9 and §63.10.
- F. The owner or operator shall comply with the applicable Emission Standards of 40 CFR Part 63, Subpart GGGG to comply with 567 IAC 23.1(4)"cg" and LCO Sec. 10-62(d)(85). The owner or operator shall calculate the compliance ratio for solvent loss using the methodology described in 40 CFR §63.2840 through §63.2855.
- G. The owner or operator shall comply with the applicable Notification, Reporting, and Recordkeeping provisions of 40 CFR Part 63, Subpart GGGG to comply with 567 IAC 23.1(4)"cg" and LCO Sec. 10-62(d)(85). The owner or operator shall submit the applicable notifications and reports required by 40 CFR 63.2860 and 63.2861, and maintain records according to 40 CFR §63.2862 and §63.2863.

Authority for Requirement: DNR PSD 19-A-632P LCPH ATI 7320; DNR PSD 19-A-633P, LCPH ATI 7321; DNR PSD 19-A-634P, LCPH ATI 7322; DNR PSD 19-A-635P, LCPH ATI 7323; DNR PSD 19-A-636P, LCPH ATI 7324; DNR PSD 19-A-637P, LCPH ATI 7325; DNR PSD 19-A-638P, LCPH ATI 7326

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

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

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

Particulate Matter:

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

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

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

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

The emission standards specified in [LCO Sec. 10-62] shall apply and those specified in section 10-61, [LCO Sec. 10-62] and Table 10-62-1 shall not apply to each process of the types listed in the following sections, with the following exception: whenever the compliance status, history of operations, ambient air quality in the vicinity, or the type of control equipment utilized, would warrant maximum control, the air pollution control officer shall

enforce 0.1 grains per dry standard cubic foot of exhaust gas, section 10-61, or [LCO Sec. 10-62], whichever would result in the lowest achievable emission rate.

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

**Fugitive Dust:** Attainment and Unclassified Areas - A person shall take reasonable precautions to prevent particulate matter from becoming airborne in quantities sufficient to cause a nuisance as defined in Iowa Code section 657.1 when the person allows, causes or permits any materials to be handled, transported or stored or a building, its appurtenances or a construction haul road to be used, constructed, altered, repaired or demolished, with the exception of farming operations or dust generated by ordinary travel on unpaved roads. Ordinary travel includes routine traffic and road maintenance activities such as scarifying, compacting, transporting road maintenance surfacing material, and scraping of the unpaved public road surface. 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"; LCO Sec. 10-66

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## **Regulatory Authority**

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

Authority for Requirement: 567 IAC 22.108

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

This facility is subject to Standards of Performance for Small Industrial, Commercial, Institutional Steam Generating Units.

See Appendix A, Applicable Federal Standards

Authority for Requirement: 40 CFR 60 Subpart Dc

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## **40 CFR 60 Subpart DD Requirements**

This facility is subject to Standards of Performance for Grain Elevators.

See Appendix A, Applicable Federal Standards

Authority for Requirement: 40 CFR 60 Subpart DD



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**40 CFR 63 Subpart GGGG Requirements**

This facility is subject to National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production.

See Appendix A, Applicable Federal Standards

Authority for Requirement: 40 CFR 63 Subpart GGGG

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**40 CFR 63 Subpart DDDDD Requirements**

This facility is subject to National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters.

See Appendix A, Applicable Federal Standards

Authority for Requirement: 40 CFR 63 Subpart DDDDD

### III. Emission Point-Specific Conditions

Facility Name: Cargill, Inc. Soybean East Plant  
 Permit Number: 99-TV-044-R4

#### Emission Point ID Number: 1

#### Associated Equipment

EP	EU	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
1	1	Grain Receiving – Truck Dump	Soybeans	600 tph	1	Baghouse

#### Applicable Requirements

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

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

#### Emission Limits

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
1	Opacity	20%	LCO Sec. 10-60(a)	LCPH ATI 4876 / PTO 4987
		0% <sup>(1)</sup>	40 CFR §60.302 567 IAC 23.1(2)"ooo" LCO Sec. 10-62(b)(67)	
		0% <sup>(2)</sup>		
		5% <sup>(3)</sup>		
		10% <sup>(4)</sup>		
	PM	0.01 gr/dscf	40 CFR §60.302 567 IAC 23.1(2)"ooo" LCO Sec. 10-62(b)(67)	
		0.86 lb/hr		
PM <sub>10</sub>	0.01 gr/dscf; 0.86 lb/hr			

<sup>(1)</sup> Process Emissions

<sup>(2)</sup> Fugitive emissions from grain handling operation

<sup>(3)</sup> Fugitive emissions from truck unloading, railcar unloading and loading

<sup>(4)</sup> From any truck unloading station

#### Operational Limits & Requirements

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

#### Control Device

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

Authority for Requirement: LCPH ATI 4876 / PTO 4987

**Federal Standards**

A. New Source Performance Standards (NSPS):

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

EU ID	Subpart	Title	Type	Local Reference (LCO Sec.)	Federal Reference (40 CFR)
1	A	General Conditions	--	10-62(b)	§60.1 – §60.19
	DD	Grain Elevators	Grain Unloading Station	10-62(b)(7)	§60.300 – §60.304

Authority for Requirement: LCPH ATI 4876 / PTO 4987; 567 IAC 23.1(2)"ooo"

**Operating Limits**

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

A. This facility shall comply with the requirements of NSPS Subpart DD by meeting the compliance requirements of 40 CFR §60.300 through §60.304.

Authority for Requirement: LCPH ATI 4876 / PTO 4987

**Operating Condition Monitoring and Recordkeeping**

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

- A. Record daily pressure drop readings.
- B. Record weekly opacity observations.
- C. Recordkeeping for NSPS Subpart DD shall be done according to 40 CFR §60.300 through §60.304.
- D. Record all maintenance and repair completed on the control equipment.

Authority for Requirement: LCPH ATI 4876 / PTO 4987

**Emission Point Characteristics**

The emission point shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
1	7.5	V	17 x 20	Ambient	10,000	LCPH ATI 4876 / PTO 4987

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.

**Opacity Monitoring**

See Appendix D, Opacity Monitoring Summary

Authority for Requirement: 567 IAC 22.108(14)

Agency Approved Operation & Maintenance Plan Required? Yes  No

Facility Maintained Operation & Maintenance Plan Required? Yes <sup>(1)</sup> No

<sup>(1)</sup> Refer to Appendix B, Facility O&M Plans, for the applicable requirements.

Compliance Assurance Monitoring (CAM) Plan Required? Yes  No

Authority for Requirement: 567 IAC 22.108(3)

**Emission Point ID Number: 3**

**Associated Equipment**

EP	EU	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
3	3	Grain Handling (Bean Handling/Elevator)	Soybeans	750 tph	3	Baghouse

**Applicable Requirements**

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

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
3	Opacity	0% <sup>(1)</sup>	40 CFR §60.302(b)(2) 567 IAC 23.1(2)"ooo" LCO Sec. 10-62(b)(67)	LCPH ATI 7334 / PTO 7309
		0% <sup>(2)</sup>	LCO Sec.10-60(a)	
		20%	LCO Sec.10-60(a)	
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
		0.01 gr/dscf	40 CFR §60.302(b)(2) 567 IAC 23.1(2)"ooo" LCO Sec. 10-62(b)(67)	
PM/PM <sub>10</sub>	0.23 lb/hr			

<sup>(1)</sup> Process Emissions

<sup>(2)</sup> Fugitive emissions from grain handling operation

**Operational Limits & Requirements**

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

**Federal Standards**

A. New Source Performance Standards (NSPS):

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

EU ID	Subpart	Title	Type	Local Reference (LCO Sec.)	Federal Reference (40 CFR)
3	A	General Conditions	--	10-62(b)	§60.1 – §60.19
	DD	Grain Elevators	Grain Handling	10-62(b)(7)	§60.300 – §60.304

Authority for Requirement: LCPH ATI 7334 / PTO 7309; 567 IAC 23.1(2)"ooo"

**Operating Requirements with Associated Monitoring and Recordkeeping**

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

- A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
- B. The control equipment on this unit (CE003) shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of any maintenance or repair completed on the control equipment.

- C. The differential pressure measured across the baghouse (CE 003) shall be maintained between 0.02 and 8.0 inches of water column with the exception of unit startup. The owner or operator shall monitor and record the differential pressure across the baghouse on a weekly basis while the control equipment and emission unit are in operation.
- D. The owner or operator shall meet the applicable General Provisions requirements of 40 CFR 60 Subpart A to comply with LCO Sec. 10-62(b). The owner or operator shall comply with the notification and recordkeeping provisions in 40 CFR §60.7.

Authority for Requirement: LCPH ATI 7334 / PTO 7309

**Emission Point Characteristics**

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

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (scfm)	Authority for Requirement
3	155	V	31 x 31	68	3,906	LCPH ATI 7334 / PTO 7309

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.*

**Opacity Monitoring**

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

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

**Facility Maintained Operation & Maintenance Plan Required?**      Yes <sup>(1)</sup> No

<sup>(1)</sup> Refer to Appendix B, Facility O&M Plans, for the applicable requirements.

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

Authority for Requirement: 567 IAC 22.108(3)

**Emission Point ID Number: 11, 12, 121, 122, 125, 126, 127**

**Associated Equipment**

EP	EU	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
11	11	Purging of Hexane Vapors	Hexane	110,000 bpd	--	--
12	12	Extraction Process		110,000 bpd	12	Mineral Oil Scrubber
121	121	DT Discharge Conveyor Steam Vent #2		110,000 bpd	--	--
122	125	DT Discharge Conveyor Steam Vent #3		110,000 bpd	--	--
125	125	Extraction Feed Conveyor Vent #1		110,000 bpd	--	--
126	126	Extraction Feed Conveyor Vent #2		110,000 bpd	--	--
127	127	Extraction Feed Conveyor Vent #3		110,000 bpd	--	--

**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.*

The following combined PSD emission limits shall not be exceeded for the following emission points:

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
11	VOC	472.16 tpy <sup>(1)</sup> 0.140 gal/ton <sup>(2)</sup>	DNR PSD 19-A-632P	LCPH ATI 7320 / PTO 7397
12			DNR PSD 19-A-633P	LCPH ATI 7321 / PTO 7398
121			DNR PSD 19-A-634P	LCPH ATI 7322 / PTO 7399
122			DNR PSD 19-A-635P	LCPH ATI 7323 / PTO 7400
125			DNR PSD 19-A-636P	LCPH ATI 7324 / PTO 7401
126			DNR PSD 19-A-637P	LCPH ATI 7325 / PTO 7402
127			DNR PSD 19-A-638P	LCPH ATI 7326 / PTO 7403

<sup>(1)</sup> This is a facility-wide limit for solvent loss associated with the Solvent Extraction for Vegetable Oil Production plant. This limit is based on the design capacity of the plant, which is limited to 110,000 bushels per day (52-week rolling average). The solvent loss limit encompasses all point and fugitive sources of solvent loss.

<sup>(2)</sup> This solvent loss ratio limit is based on a 12-month rolling average.

The following combined NESHAP emission limits shall not be exceeded for the following emission points:

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
11	Total HAP	0.2 gal/ton <sup>(1)</sup>	DNR PSD 19-A-632P	LCPH ATI 7320 / PTO 7397
12			DNR PSD 19-A-633P	LCPH ATI 7321 / PTO 7398
121			DNR PSD 19-A-634P	LCPH ATI 7322 / PTO 7399
122			DNR PSD 19-A-635P	LCPH ATI 7323 / PTO 7400
125			DNR PSD 19-A-636P	LCPH ATI 7324 / PTO 7401
126			DNR PSD 19-A-637P	LCPH ATI 7325 / PTO 7402
127			DNR PSD 19-A-638P 40 CFR §63.2840(a)(1)	LCPH ATI 7326 / PTO 7403

<sup>(1)</sup> Compliance with this limitation shall be confirmed using the methodology described in 40 CFR Part 63, Subpart GGGG.

The following emission limits shall not be exceeded per emission point:

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
126	Opacity	40% <sup>(1)</sup>	567 IAC 23.3(2) "d"	DNR PSD 19-A-637P LCPH ATI 7325 / PTO 7402
		20%	LCO Sec. 10-60(a)	
	PM	0.1 gr/dscf	567 IAC 23.3(2)"a" LCO Sec. 10-62(a)	

<sup>(1)</sup> An exceedance of the indicator opacity of 40% will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the Department may require additional proof to demonstrate compliance (e.g., stack testing).

**Operational Limits & Requirements**

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

**Federal Standards**

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

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

EU ID	Subpart	Title	Type	State Reference (567 IAC)	Federal Reference (40 CFR)
11	A	General Conditions	--	23.1(4)"a"	§63.1 – §63.15
12	GGGG	National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production	Soybean	23.1(4)"cg"	§63.2830 – §63.2872
121					
122					
125					
126					
127					

Authority for Requirement: DNR PSD 19-A-632P; LCPH ATI 7320 / PTO 7397  
 DNR PSD 19-A-633P; LCPH ATI 7321 / PTO 7398; DNR PSD 19-A-634P; LCPH ATI 7322 / PTO 7399  
 DNR PSD 19-A-635P; LCPH ATI 7323 / PTO 7400; DNR PSD 19-A-636P; LCPH ATI 7324 / PTO 7401  
 DNR PSD 19-A-637P; LCPH ATI 7325 / PTO 7402; DNR PSD 19-A-638P; LCPH ATI 7326 / PTO 7403  
 LCO Sec. 10-62(d)(85); 567 IAC 23.1(4)"cg"

**Operating Requirements and Associated Recordkeeping**

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

- A. The mineral oil scrubber (CE012) flow rate shall be maintained at a minimum of 5 gallons per minute at all times while the unit is in operation. The mineral oil scrubber temperature shall be maintained between 40°F and 100°F. The mineral oil scrubber shall be equipped with real-time sensors for scrubber oil flow rate and temperature. The owner or operator shall monitor and record the mineral oil scrubber flow rate and temperature at least once per day.
- B. The maximum VOC content of any solvent shall not exceed 5.6 pounds per gallon. The owner or operator shall maintain copies of Safety Data Sheets for all solvents used in the extraction process.
- C. The maximum solvent usage shall not exceed a 12-month rolling total of 168,630 gallons.
  - 1. Record the total solvent loss, in gallons. Calculate and record monthly and 12-month rolling totals.
  - 2. For the purposes of determining compliance with the BACT limit of 0.140 gal/ton, solvent losses from startups, shutdowns, and malfunctions shall be included.
- D. The facility shall be limited to a 12-month rolling total of 1,204,000 tons or less of soybeans processed.
  - 1. Record the amount of soybeans processed, in bushels and tons. Calculate and record monthly and 12-month rolling totals.

- E. The owner or operator shall meet the applicable General Provision requirements of 40 CFR Part 63, Subpart A to comply with 567 IAC 23.1(4)"a" and LCO Sec. 10-62(d)(1). The owner or operator shall comply with the notification and recordkeeping provisions in 40 CFR §63.9 and §63.10.
- F. The owner or operator shall comply with the applicable Emission Standards of 40 CFR Part 63, Subpart GGGG to comply with 567 IAC 23.1(4)"cg" and LCO Sec. 10-62(d)(85). The owner or operator shall calculate the compliance ratio for solvent loss using the methodology described in 40 CFR §63.2840 through §63.2855.
- G. The owner or operator shall comply with the applicable Notification, Reporting, and Recordkeeping provisions of 40 CFR Part 63, Subpart GGGG to comply with 567 IAC 23.1(4)"cg" and LCO Sec. 10-62(d)(85). The owner or operator shall submit the applicable notifications and reports required by 40 CFR §63.2860 and §63.2861, and maintain records according to 40 CFR §63.2862 and §63.2863.

Authority for Requirement: DNR PSD 19-A-632P; LCPH ATI 7320 / PTO 7397  
 DNR PSD 19-A-633P; LCPH ATI 7321 / PTO 7398; DNR PSD 19-A-634P; LCPH ATI 7322 / PTO 7399  
 DNR PSD 19-A-635P; LCPH ATI 7323 / PTO 7400; DNR PSD 19-A-636P; LCPH ATI 7324 / PTO 7401  
 DNR PSD 19-A-637P; LCPH ATI 7325 / PTO 7402; DNR PSD 19-A-638P; LCPH ATI 7326 / PTO 7403

**Emission Point Characteristics**

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

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
11	57	H	18 x 27	70	300	DNR PSD 19-A-632P LCPH ATI 7320 / PTO 7397
12	60	H	8	70	194	DNR PSD 19-A-633P LCPH ATI 7321 / PTO 7398
121	95	VR	6	230	Passive	DNR PSD 19-A-634P LCPH ATI 7322 / PTO 7399
122	85	VR	6	230	Passive	DNR PSD 19-A-635P LCPH ATI 7323 / PTO 7400
125	8.5	VR	32 x 36	230	Passive	DNR PSD 19-A-636P LCPH ATI 7324 / PTO 7401
126	9.5	VR	72 x 60	230	Passive	DNR PSD 19-A-637P LCPH ATI 7325 / PTO 7402
127	13.2	VR	32 x 36	230	Passive	DNR PSD 19-A-638P LCPH ATI 7326 / PTO 7403

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: 34, 36**

**Associated Equipment**

EP	EU	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
34	34	Meal Tank #3	Soybean Meal	115 tph	34	Baghouse
36	36	Meal Tank #5	Soybean Meal	115 tph	36	Baghouse

**Applicable Requirements**

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

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
34	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 6420 / PTO 6225 LCPH ATI 6421 / PTO 6224
36	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
34	PM/PM <sub>10</sub>	0.06 lb/hr		LCPH ATI 6420 / PTO 6225
36	PM/PM <sub>10</sub>	0.06 lb/hr		LCPH ATI 6421 / PTO 6224

**Operational Limits & Requirements**

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

**Control Equipment**

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

Authority for Requirement: LCPH ATI 6420 / PTO 6225; LCPH ATI 6421 / PTO 6224

**Operating Limits**

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

- A. The differential pressure measured across the baghouse, CE 034, (CE 036), shall be maintained between 0.25 inches of water and 8 inches of water column with the exception of unit startup.
- B. The control equipment on this unit shall be maintained according to the manufacturer's specification and good operating practices.

Authority for Requirement: LCPH ATI 6420 / PTO 6225; LCPH ATI 6421 / PTO 6224

**Operating Condition Monitoring and Recordkeeping**

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

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

Authority for Requirement: LCPH ATI 6420 / PTO 6225; LCPH ATI 6421 / PTO 6224

**Emission Point Characteristics**

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

<b>EP</b>	<b>Stack Height (feet, above ground)</b>	<b>Discharge Style</b>	<b>Stack Opening (inches, dia.)</b>	<b>Temp (°F)</b>	<b>Flowrate (acfm)</b>	<b>Authority for Requirement</b>
34	108	V	10	70	320	LCPH ATI 6420 / PTO 6225
36	108	V	10	70	320	LCPH ATI 6421 / PTO 6224

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.*

**Opacity Monitoring**

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

**Emission Point ID Number: 40**

**Associated Equipment**

EP	EU	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
40	2	Grain Receiving (Rail Unload/Transfer)	Soybeans	300 tph	40	Baghouse
	40	Elevator Aspiration		6,000 bu/hr		

**Applicable Requirements**

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

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
40	Opacity	20%	LCO Sec. 10-60(a)	LCPH ATI 7335 / PTO 7406
		0% <sup>(1)</sup>	40 CFR §60.302	
		0% <sup>(2)</sup>	567 IAC 23.1(2)"ooo"	
		0% <sup>(3)</sup>	LCO Sec. 10-62(b)(67)	
	PM	0.01 gr/dscf	40 CFR §60.302 567 IAC 23.1(2)"ooo" LCO Sec. 10-62(b)(67)	
	PM/PM <sub>10</sub>	0.64 lb/hr <sup>(4)</sup>		
0.42 lb/hr <sup>(5)</sup>				

<sup>(1)</sup> Process Emissions

<sup>(2)</sup> Fugitive emissions from railcar unloading

<sup>(3)</sup> Fugitive grain handling operations

<sup>(4)</sup> Grain cleaning operations with rail receiving operations

<sup>(5)</sup> Grain cleaning operations only

**Operational Limits & Requirements**

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

**Federal Standards**

A. New Source Performance Standards (NSPS):

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

EU ID	Subpart	Title	Type	Local Reference (LCO Sec.)	Federal Reference (40 CFR)
40	A	General Conditions	--	10-62(b)	§60.1 – §60.19
	DD	Grain Elevators	Grain Storage Elevator	10-62(b)(7)	§60.300 – §60.304

Authority for Requirement: LCPH ATI 7335 / PTO 7406; 567 IAC 23.1(2)"ooo"

**Operating Requirements with Associated Monitoring and Recordkeeping**

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

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

- B. The control equipment on this unit (CE040) shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of any maintenance or repair completed on the control equipment.
- C. The differential pressure measured across the baghouse (CE 040) shall be maintained between 0.02 and 10.0 inches of water column with the exception of startup. The owner or operator shall monitor and record the differential pressure across the baghouse on a weekly basis while the control equipment and emission unit are in operation.
- D. The owner or operator shall meet the applicable General Provisions requirements of 40 CFR 60 Subpart A to comply with LCO Sec. 10-62(b). The owner or operator shall comply with the notification and recordkeeping provisions in 40 CFR §60.7.

Authority for Requirement: LCPH ATI 7335 / PTO 7406

**Emission Point Characteristics**

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

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
40	70	V	45	68	16,500 <sup>(1)</sup> 25,000 <sup>(2)</sup>	LCPH ATI 7335 / PTO 7406

<sup>(1)</sup> Grain cleaning operations only

<sup>(2)</sup> Grain cleaning and rail receiving operations

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.*

**Opacity Monitoring**

See Appendix D, Opacity Monitoring Summary

Authority for Requirement: 567 IAC 22.108(14)

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

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

**Compliance Assurance Monitoring (CAM) Plan Required?** Yes <sup>(1)</sup> No

<sup>(1)</sup> Refer to Appendix C, CAM Plans Summary, for the applicable requirements.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 042

**Associated Equipment**

EP	EU	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
42	42	Clay Tank	Clay	1.0 tph	42	Fabric Filter

**Applicable Requirements**

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

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement
42	Opacity	20%	LCO Sec.10-60(a)
	PM	0.1 gr/dscf	567 IAC 23.3(2)(a)"2" LCO Sec. 10-62(a)(1)

**Monitoring Requirements**

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

**Opacity Monitoring**

See Appendix D, Opacity Monitoring Summary

Authority for Requirement: 567 IAC 22.108(14)

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 43, 44

**Associated Equipment**

EP	EU	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
43	43	Meal Truck Loadout #1	Soybean Meal	187.5 tph	43	Baghouse
44	44	Meal Truck Loadout #2	Soybean Meal	187.5 tph	44	Baghouse

**Applicable Requirements**

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

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
43	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7336 / PTO 7310 LCPH ATI 7337 / PTO 7311
44	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
43	PM/PM <sub>10</sub>	2.25 lb/hr		LCPH ATI 7336 / PTO 7310
44		2.25 lb/hr		LCPH ATI 7337 / PTO 7311

**Operational Limits & Requirements**

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

**Operating Requirements with Associated Monitoring and Recordkeeping**

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

- A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
- B. The control equipment on these units (CE043 and CE044) shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of any maintenance or repair completed on the control equipment.
- C. The differential pressure measured across each baghouse (CE 043 and CE044) shall be maintained between 0.25 and 8.0 inches of water column with the exception of unit startup. The owner or operator shall monitor and record the differential pressure across each baghouse on a weekly basis while the control equipment and emission unit are in operation.

Authority for Requirement: LCPH ATI 7336 / PTO 7310; LCPH ATI 7337 / PTO 7311

**Emission Point Characteristics**

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

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
43	40	V	36	70	21,200	LCPH ATI 7336 / PTO 7310
44	40	V	36	70	21,200	LCPH ATI 7337 / PTO 7311

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.*

**Opacity Monitoring**

See Appendix D, Opacity Monitoring Summary

Authority for Requirement: 567 IAC 22.108(14)

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

**Facility Maintained Operation & Maintenance Plan Required?**      Yes <sup>(1)</sup> No

<sup>(1)</sup> Refer to Appendix B, Facility O&M Plans, for the applicable requirements. **(EPs 43 and 44)**

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

Authority for Requirement: 567 IAC 22.108(3)

**Emission Point ID Number: 49**

**Associated Equipment**

EP	EU	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
49	49.1	Meal Dryer Deck #1	Soybeans	115 tph	49A	Cyclone A
	49.2	Meal Dryer Deck #2		115 tph	49B	Cyclone B
	49.3	Meal Dryer Deck #3		115 tph	49C	Cyclone C
	49.4	Meal Dryer Deck #4		115 tph	49D	Cyclone D

**Applicable Requirements**

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

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
49	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7338 / PTO 7312
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM	4.03 lb/hr		
	PM <sub>10</sub>	2.14 lb/hr		

**Operational Limits & Requirements**

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

**Operating Requirements with Associated Monitoring and Recordkeeping**

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

- A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
- B. The control equipment (CE049A, CE049B, CE049C, and CE049D) shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of any maintenance or repair completed on the control equipment.
- C. The differential pressure measured across each of the four cyclones (CE049A, CE049B, CE049C, and CE049D) shall be maintained between 2.0 and 8.0 inches of water column. The owner or operator shall monitor and record the differential pressure across each baghouse on a weekly basis while the control equipment and emission units are in operation.

Authority for Requirement: LCPH ATI 7338 / PTO 7312



**Emission Point Characteristics**

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

<b>EP</b>	<b>Stack Height (feet, above ground)</b>	<b>Discharge Style</b>	<b>Stack Opening (inches, dia.)</b>	<b>Temp (°F)</b>	<b>Flowrate (acfm)</b>	<b>Authority for Requirement</b>
49	55	V	60.25	125	65,000	LCPH ATI 7338 / PTO 7312

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.*

**Opacity Monitoring**

See Appendix D, Opacity Monitoring Summary

Authority for Requirement: 567 IAC 22.108(14)

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

**Facility Maintained Operation & Maintenance Plan Required?**      Yes <sup>(1)</sup> No

<sup>(1)</sup> Refer to Appendix B, Facility O&M Plans, for the applicable requirements.

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 56

**Associated Equipment**

EP	EU	Emission Unit Description	Fuel	Maximum Design Capacity	CE ID	CE Description
56	56	Boiler	Natural Gas	98.83 MMBtu/hr	--	--
			No. 2 Fuel Oil	697 gal/hr		
			No. 6 Fuel Oil	636 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.

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
56	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7571 / PTO 7267
	PM	0.352 lb/MMBtu	LCO Sec. 10-61(b)(2)	
	PM/PM <sub>10</sub>	2.35 lb/hr		
	SO <sub>2</sub>	500 ppm <sub>v</sub>	LCO Sec. 10-65(a)(2)	
		0.50 lb/MMBtu	40 CFR §60.42c(d)	
		5.60 lb/hr		
	NO <sub>x</sub>	6.02 lb/hr		
CO	8.39 lb/hr			

**Operational Limits & Requirements**

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

**Federal Standards**

A. New Source Performance Standards (NSPS):

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

EU ID	Subpart	Title	Type	Local Reference (LCCO Sec.)	Federal Reference (40 CFR)
056	A	General Conditions	NA	10-62(b)	§60.1 – §60.19
	Dc	Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	Dual fuel boiler	10-62(b)(64)	§60.40c – §60.48c

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

This emission unit is subject to the following federal regulation: *National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters* [40 CFR Part 63, Subpart DDDDD].

Authority for Requirement: LCPH ATI 7571 / PTO 7267

**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 fuel for this boiler is limited to pipeline quality natural gas fuel or No. 2 fuel oil. The owner or operator shall record the type and volume of each fuel combusted each day the boiler (EU056) is in operation.
- B. Fuel usage for No. 2 fuel oil shall be limited to 3,500,000 gallons per year based on a 12-month rolling total. The owner or operator shall calculate and record the 12-month rolling total for No. 2 fuel oil.

- C. No. 2 fuel oil shall contain less than 0.0015% sulfur, by weight (15 ppm). The owner or operator shall maintain records of fuel certifications demonstrating the sulfur content, pursuant to 40 CFR §60.44c(h). The fuel certification for the no. 2 fuel oil utilized in the boiler (EU056) shall meet the requirements of 40 CFR §60.48c(f)(1).
- D. The owner or operator shall maintain a record of the fuel certification for the pipeline quality natural gas utilized in the boiler (EU056).
- E. The owner or operator shall monitor and record the boiler steam output on a daily basis.
- F. The owner or operator shall meet the applicable requirements of 40 CFR §60.1 through 40 CFR §60.19 [NSPS Subpart A] to comply with LCCO Sec. 10-62(b).
- G. The owner or operator shall meet the applicable requirements of 40 CFR §60.40c through §60.48c [NSPS Subpart Dc] to comply with LCCO Sec. 10-62(b)(64).
- H. The owner or operator shall submit an Initial Notification pursuant to 40 CFR §60.48c(a).
- I. The owner or operator shall submit reports as required under 40 CFR §60.48c(d) and (e) during reporting periods in which no. 2 fuel oil was combusted in the boiler (EU056) either alone or in combination with natural gas. There is no requirement to submit periodic reports for reporting periods in which only natural gas was combusted.

Authority for Requirement: LCPH ATI 7571 / PTO 7267

**Emission Point Characteristics**

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

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
56	50	V	58	220	25,000	LCPH ATI 7571 / PTO 7267

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.*

**Opacity Monitoring**

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

**Emission Point ID Number: 57**

**Associated Equipment**

EP	EU	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
57	57	Pellet Mill	Soybean Pellets	15 tph	57	Cyclone

**Applicable Requirements**

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

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
57	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7328 / PTO 7313
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM	0.69 lb/hr		
	PM <sub>10</sub>	0.35 lb/hr		

**Operational Limits & Requirements**

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

**Operating Requirements with Associated Monitoring and Recordkeeping**

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

- A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
- B. The control equipment on this unit (CE057) shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of any maintenance or repair completed on the control equipment.

Authority for Requirement: LCPH ATI 7328 / PTO 7313

**Emission Point Characteristics**

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

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
57	60	V	24	70	7,000	LCPH ATI 7328 / PTO 7313

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.*

**Opacity Monitoring**

See Appendix D, Opacity Monitoring Summary

Authority for Requirement: 567 IAC 22.108(14)

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 58

**Associated Equipment**

EP	EU	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
58	58	Ground Pod Aspiration	Soybeans	92,000 bu/day	58	Baghouse

**Applicable Requirements**

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

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
58	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7339 / PTO 7314
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM/PM <sub>10</sub>	0.20 lb/hr		

**Operational Limits & Requirements**

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

**Operating Requirements with Associated Monitoring and Recordkeeping**

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

- A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
- B. The control equipment on this unit (CE058) shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of any maintenance or repair completed on the control equipment.
- C. The differential pressure measured across the baghouse (CE058) shall be maintained between 0.2 and 10.0 inches of water column with the exception of unit startup. The owner or operator shall monitor and record the differential pressure across the baghouse on a weekly basis while the control equipment and emission unit are in operation.

Authority for Requirement: LCPH ATI 7339 / PTO 7314

**Emission Point Characteristics**

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

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
58	10	H	10	68	2,330	LCPH ATI 7339 / PTO 7314

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.*

**Opacity Monitoring**

See Appendix D, Opacity Monitoring Summary

Authority for Requirement: 567 IAC 22.108(14)

- Agency Approved Operation & Maintenance Plan Required?**      Yes  No
- Facility Maintained Operation & Maintenance Plan Required?**      Yes <sup>(1)</sup> No
- <sup>(1)</sup> Refer to Appendix B, Facility O&M Plans, for the applicable requirements.
- Compliance Assurance Monitoring (CAM) Plan Required?**      Yes  No

Authority for Requirement: 567 IAC 22.108(3)

**Emission Point ID Number: 59**

**Associated Equipment**

EP	EU	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
59	59	Pellet Tank	Soybeans	400 tons	59	Baghouse

**Applicable Requirements**

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

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
59	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7099 / PTO 6904
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM/PM <sub>10</sub>	0.16 lb/hr		

**Operational Limits & Requirements**

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

**Operating Requirements with Associated Monitoring and Recordkeeping**

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

- A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
- B. The control equipment on this unit shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of any maintenance or repair completed on the control equipment.
- C. The differential pressure measured across the bin vent filters (CE059) shall be maintained between 0.25 inches and 10 inches of water column. The owner or operator shall monitor and record the differential pressure across the bin vent filters on a weekly basis while the control equipment in operation.

Authority for Requirement: LCPH ATI 7099 / PTO 6904

**Emission Point Characteristics**

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

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
59	93	VR	19.81 x 19.94	Ambient	1,900	LCPH ATI 7099 / PTO 6904

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.*

**Opacity Monitoring**

See Appendix D, Opacity Monitoring Summary

Authority for Requirement: 567 IAC 22.108(14)

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

**Facility Maintained Operation & Maintenance Plan Required?**      Yes <sup>(1)</sup> No

<sup>(1)</sup> Refer to Appendix B, Facility O&M Plans, for the applicable requirements.

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

Authority for Requirement: 567 IAC 22.108(3)

**Emission Point ID Number: 129**

**Associated Equipment**

EP	EU	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
129	129	Prep Exhaust System	Soybeans	110,000 bpd	129	Baghouse

**Applicable Requirements**

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

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
129	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7329 / PTO 7315
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM/PM <sub>10</sub>	0.47 lb/hr		

**Operational Limits & Requirements**

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

**Operating Requirements with Associated Monitoring and Recordkeeping**

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

- A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
- B. The control equipment on this unit (CE129) shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of any maintenance and repair completed on the control equipment.
- C. The differential pressure measured across the baghouse (CE129) shall be maintained between 0.25 and 8.0 inches of water column. The owner or operator shall monitor and record the differential pressure across the baghouse on a weekly basis while the control equipment and emission unit are in operation.

Authority for Requirement: LCPH ATI 7329 / PTO 7315

**Emission Point Characteristics**

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

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
129	62	V	28	Ambient	13,538 scfm <sup>1</sup>	LCPH ATI 7329 / PTO 7315

<sup>1</sup> Average exhaust flowrate during March 2, 2022, emission test.

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.*

**Opacity Monitoring**

See Appendix D, Opacity Monitoring Summary

Authority for Requirement: 567 IAC 22.108(14)

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

**Facility Maintained Operation & Maintenance Plan Required?**      Yes <sup>(1)</sup> No

<sup>(1)</sup> Refer to Appendix B, Facility O&M Plans, for the applicable requirements.

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

Authority for Requirement: 567 IAC 22.108(3)

**Emission Point ID Number: 130, 131**

**Associated Equipment**

EP	EU	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
130	130	Rotary Conditioner	Soybeans	110,000 bpd	130	Cyclone
131	131	Flaker Aspiration	Soybeans	110,000 bpd	131	Cyclone

**Applicable Requirements**

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

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
130	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7330 / PTO 7316 LCPH ATI 7331
131	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
130	PM/PM <sub>10</sub>	0.204 lb/hr		LCPH ATI 7330 / PTO 7316
131		1.48 lb/hr		LCPH ATI 7331

**Operational Limits & Requirements**

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

**Operating Requirements with Associated Monitoring and Recordkeeping**

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

- A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
- B. The control equipment on this unit (CE130, CE131) shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of any maintenance and repair completed on the control equipment.

Authority for Requirement: LCPH ATI 7330 / PTO 7316; LCPH ATI 7331

**Emission Point Characteristics**

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

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
130	30	V	12	100	2,510	LCPH ATI 7330/ PTO 7316
131	62	V	34	Ambient	24,600 scfm	LCPH ATI 7331

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.*

**Opacity Monitoring**

See Appendix D, Opacity Monitoring Summary

Authority for Requirement: 567 IAC 22.108(14)

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

**Facility Maintained Operation & Maintenance Plan Required?**      Yes <sup>(1)</sup> No

<sup>(1)</sup> Refer to Appendix B, Facility O&M Plans, for the applicable requirements. **(EP131 only)**

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

Authority for Requirement:              567 IAC 22.108(3)

**Emission Point ID Number: 132**

**Associated Equipment**

EP	EU	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
132	132	Meal Grinding Aspiration	Soybeans	110,000 bpd	132	Baghouse

**Applicable Requirements**

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

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
132	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7332 / PTO 7318
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM/PM <sub>10</sub>	0.41 lb/hr		

**Operational Limits & Requirements**

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

**Operating Requirements with Associated Monitoring and Recordkeeping**

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

- A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
- B. The control equipment on this unit (CE132) shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of any maintenance and repair completed on the control equipment.
- C. The differential pressure measured across the baghouse (CE132) shall be maintained between 0.25 and 8.0 inches of water column. The owner or operator shall monitor and record the differential pressure across the baghouse on a weekly basis while the control equipment and emission unit are in operation.

Authority for Requirement: LCPH ATI 7332 / PTO 7318

**Emission Point Characteristics**

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

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (scfm)	Authority for Requirement
132	52	V	26	Ambient	15,900	LCPH ATI 7332 / PTO 7318

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.*

**Opacity Monitoring**

See Appendix D, Opacity Monitoring Summary

Authority for Requirement: 567 IAC 22.108(14)

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

**Facility Maintained Operation & Maintenance Plan Required?**      Yes <sup>(1)</sup> No

<sup>(1)</sup> Refer to Appendix B, Facility O&M Plans, for the applicable requirements.

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

Authority for Requirement: 567 IAC 22.108(3)

**Emission Point ID Number: 133**

**Associated Equipment**

EP	EU	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
133	133	Prep Vacuum System	Soybeans	350 scfm	133	Baghouse

**Applicable Requirements**

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

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
133	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7333 / PTO 7319
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM/PM <sub>10</sub>	0.03 lb/hr		

**Operational Limits & Requirements**

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

**Operating Requirements with Associated Monitoring and Recordkeeping**

All records as required by this permit shall be 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 control equipment on this unit (CE133) shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of any maintenance and repair completed on the control equipment.

Authority for Requirement: LCPH ATI 7333/ PTO 7319

**Emission Point Characteristics**

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

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (scfm)	Authority for Requirement
133	30	H	6	Ambient	350	LCPH ATI 7333 / PTO 7319

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.*

**Opacity Monitoring**

See Appendix D, Opacity Monitoring Summary

Authority for Requirement: 567 IAC 22.108(14)

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 134

**Associated Equipment**

EP	EU	Emission Unit Description	Raw Material	Maximum Design Capacity	CE ID	CE Description
134	21	Hull Grinding	Soybeans	9.2 tons/hr	21	Baghouse

**Applicable Requirements**

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

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
134	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7327 / PTO 7320
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM/PM <sub>10</sub>	0.86 lb/hr		

**Operational Limits & Requirements**

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

**Operating Requirements with Associated Monitoring and Recordkeeping**

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

- A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
- B. The control equipment on this unit (CE021) shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of any maintenance and repair completed on the control equipment.
- C. The differential pressure measured across the baghouse (CE021) shall be maintained between 0.25 and 8.0 inches of water column. The owner or operator shall monitor and record the differential pressure across the baghouse on a weekly basis while the control equipment and emission unit are in operation.

Authority for Requirement: LCPH ATI 7327 / PTO 7320

**Emission Point Characteristics**

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

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
134	45	V	12	70	5,000	LCPH ATI 7327 / PTO 7320

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.*

**Opacity Monitoring**

See Appendix D, Opacity Monitoring Summary

Authority for Requirement: 567 IAC 22.108(14)

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

**Facility Maintained Operation & Maintenance Plan Required?**      Yes <sup>(1)</sup> No

<sup>(1)</sup> Refer to Appendix B, Facility O&M Plans, for the applicable requirements.

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

Authority for Requirement:              567 IAC 22.108(3)

**Emission Point ID Number: 501, 502, 503, 504**

**Associated Equipment**

EP	EU	Emission Unit Description	Raw Material / Fuel	Maximum Design Capacity	CE ID	CE Description
501	501	Grain Dryer	Soybeans	6,000 bu/hr	--	--
502	005A	Grain Dryer Bottom Burner	Natural Gas	20 MMBtu/hr		
503						
504	005B	Grain Dryer Top Burner	Natural Gas	24.2 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.*

The following combined emission limits shall not be exceeded for the following emission points:

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
501	PM	8.96 lb/hr	LCO Sec. 10-65(a)(2) 567 IAC 23.3(3)(e)	LCPH ATI 7340 / PTO 7321
502	PM <sub>10</sub>	6.27 lb/hr		LCPH ATI 7341 / PTO 7322
503	SO <sub>2</sub>	500 ppm <sub>v</sub>		LCPH ATI 7342 / PTO 7323
504		15 ppm <sub>v</sub> <sup>(1)</sup>		LCPH ATI 7343 / PTO 7324

<sup>(1)</sup> The grain dryer is restricted to the use of natural gas, which can contain no more than 15 ppm sulfur compounds.

The following emission limits shall not be exceeded per emission point:

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
501	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7340 / PTO 7321 LCPH ATI 7341 / PTO 7322 LCPH ATI 7342 / PTO 7323 LCPH ATI 7343 / PTO 7324
502		0%	40 CFR §60.302(a)(2)	
503			567 IAC 23.1(2)"ooo"	
504	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	

**Operational Limits & Requirements**

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

**Federal Standards**

A. New Source Performance Standards (NSPS):

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

EU ID	Subpart	Title	Type	Local Reference (LCO Sec.)	Federal Reference (40 CFR)
005	A	General Conditions	--	10-62(b)	§60.1 – §60.19
	D	Grain Elevators	Grain Dryer	10-62(b)(7)	§60.300 – §60.304

Authority for Requirement: LCPH ATI 7340 / PTO 7321; LCPH ATI 7341 / PTO 7322;  
LCPH ATI 7342 / PTO 7323; LCPH ATI 7343 / PTO 7324  
567 IAC 23.1(2)"ooo"

**Operating Requirements and Associated Recordkeeping**

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

- A. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
- B. The owner or operator shall meet the applicable General Provisions requirements of 40 CFR Part 60, Subpart A to comply with LCCO Sec. 10-62(b). The owner or operator shall comply with the notification and recordkeeping provisions in 40 CFR §60.7.
- C. Pursuant to 40 CFR §60.302, the owner or operator shall not cause to be discharged into the atmosphere any gases which exhibit an opacity greater than 0% from any column dryer with column plate perforation exceeding 2.4 millimeter (mm) diameter (0.094 inch).
- D. Fuel combusted in the grain dryer shall be limited to natural gas only. The owner or operator shall maintain a record of the type of fuel used in the grain dryer (i.e., record of sale, etc.).

Authority for Requirement: LCPH ATI 7340 / PTO 7321; LCPH ATI 7341 / PTO 7322;  
LCPH ATI 7342 / PTO 7323; LCPH ATI 7343 / PTO 7324

**Emission Point Characteristics**

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

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (scfm)	Authority for Requirement
501	127	V	33 x 66	110	41,260	LCPH ATI 7340 / PTO 7321
502	127	V	33 x 66	110	38,440	LCPH ATI 7341 / PTO 7322
503	127	V	33 x 66	110	38,400	LCPH ATI 7342 / PTO 7323
504	127	V	33 x 66	110	39,260	LCPH ATI 7343 / PTO 7324

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.*

**Opacity Monitoring**

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

## IV. General Conditions

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

### G1. Duty to Comply

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

### G2. Permit Expiration

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

### G3. Certification Requirement for Title V Related Documents

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

### G4. Annual Compliance Certification

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

### **G5. Semi-Annual Monitoring Report**

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

### **G6. Annual Fee**

- The permittee is required under subrule 567 IAC 22.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
- The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
- The emissions inventory shall be submitted annually by March 31 with forms specified by the department documenting actual emissions for the previous calendar year.
- The fee shall be submitted annually by July 1 with forms specified by the department.
- If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.
- Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.
- The fee for a portable emissions unit or stationary source which operates both in Iowa and out of state shall be calculated only for emissions from the source while operating in Iowa.
- Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 22.115(1)"d".

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does



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

- Excess Emissions Reporting
  - Initial Reporting of Excess Emissions. An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 25.1(6). An initial report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 25.1(1) ) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable emission standard by more than 10 percent or the applicable visible emission standard by more than 10 percent opacity. The initial report may be made by electronic mail (E-mail), in person, or by telephone and shall include as a minimum the following:
    - i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.
    - ii. The estimated quantity of the excess emission.
    - iii. The time and expected duration of the excess emission.
    - iv. The cause of the excess emission.
    - v. The steps being taken to remedy the excess emission.
    - vi. The steps being taken to limit the excess emission in the interim period.
  - c. Written Reporting of Excess Emissions. A written report of an incident of excess emission shall be submitted as a follow-up to all required initial reports to the department within seven days of the onset of the upset condition, and shall include as a minimum the following:
    - i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.
    - ii. The estimated quantity of the excess emission.
    - iii. The time and duration of the excess emission.
    - iv. The cause of the excess emission.
    - v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.
    - vi. The steps that were taken to limit the excess emission.
    - vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. *567 IAC 24.1(1)-567 IAC 24.1(4) and LCO Sec. 10-67*
- Emergency Defense for Excess Emissions. For the purposes of this permit, an "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include non-compliance, to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation or operator error. An emergency constitutes an affirmative defense to an action brought for non-compliance with technology based limitations if it can be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that:

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

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

**G15. Permit Deviation Reporting Requirements**

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

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

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

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

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

2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. *567 IAC 22.110(2)*
3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 22.110(1). *567 IAC 22.110(3)*
4. The permit shield provided in subrule 22.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. *567 IAC 22.110(4)*
5. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. *567 IAC 22.108(11)*

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

1. Administrative Amendment.
  - a. An administrative permit amendment is a permit revision that does any of the following:
    - i. Correct typographical errors;
    - ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;
    - iii. Require more frequent monitoring or reporting by the permittee; or
    - iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittee has been submitted to the director.
  - b. The permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. The request shall be submitted to the director.
  - c. Administrative amendments to portions of permits containing provisions pursuant to Title IV of the Act shall be governed by regulations promulgated by the administrator under Title IV of the Act.
2. Minor Title V Permit Modification.
  - a. Minor Title V permit modification procedures may be used only for those permit modifications that satisfy all of the following:
    - i. Do not violate any applicable requirement;
    - ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit;
    - iii. Do not require or change a case by case determination of an emission limitation or other standard, or an increment analysis;
    - iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act;
    - v. Are not modifications under any provision of Title I of the Act; and
    - vi. Are not required to be processed as significant modification under rule 567 - 22.113(455B).
  - b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:
    - i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
    - ii. The permittee's suggested draft permit;
    - iii. Certification by a responsible official, pursuant to 567 IAC 22.107(4), that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used; and
    - iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 22.107(7).
  - c. The permittee may make the change proposed in its minor permit modification application immediately after it files the application. After the permittee makes this change and until the director

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

3. Significant Title V Permit Modification.

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

**G19. Duty to Obtain Construction Permits**

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

**G20. Asbestos**

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

**G21. Open Burning**

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

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

The permittee shall not exceed any allowances that it holds under Title IV of the Act or the regulations promulgated there under. Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners and operators of the unit or the designated representative of the owners and operators is prohibited. 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.
  - b. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 22.108(17)"a", 567 IAC 22.108(17)"b"*
3. A permit shall be reopened and revised under any of the following circumstances:
  - a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to July 21, 1992, provided that the reopening may be stayed pending judicial review of that determination;
  - b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;
  - c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.
  - d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

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

**G25. Permit Shield**

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

**G26. Severability**

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

**G27. Property Rights**

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

**G28. Transferability**

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

**G29. Disclaimer**

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

**G30. Notification and Reporting Requirements for Stack Tests or Monitor Certification**

The permittee shall notify the department's stack test contact in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor is performed to determine compliance with applicable requirements of 567 – Chapter 23 or a permit condition. Such notice shall include the time, the place, the name of the person who will conduct the test and other information as required by the department. If the owner or operator does not provide timely notice to the department, the department shall not consider the test results or performance evaluation results to be a valid demonstration of compliance with applicable rules or permit conditions. Upon written request, the department may allow a notification period of less than 30 days. At the department's request, a pretest meeting shall be held not later than 15 days prior to conducting the compliance demonstration. A testing protocol shall be submitted to the department no later than 15 days before the owner or operator conducts the compliance demonstration. A representative of the department shall be permitted to witness the tests. Results of the tests shall be submitted in writing to the department's stack test contact in the form of a comprehensive report within six weeks of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which the source shall be operated. In cases where compliance is to be demonstrated at less than the maximum continuous output as rated by

the equipment manufacturer, and it is the owner's intent to limit the capacity to that rating, the owner may submit evidence to the department that the source has been physically altered so that capacity cannot be exceeded, or the department may require additional testing, continuous monitoring, reports of operating levels, or any other information deemed necessary by the department to determine whether such source is in compliance.

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

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

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

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

### **G31. Prevention of Air Pollution Emergency Episodes**

The permittee shall comply with the provisions of 567 IAC Chapter 26 in the prevention of excessive build-up of air contaminants during air pollution episodes, thereby preventing the occurrence of an emergency due to the effects of these contaminants on the health of persons. *567 IAC 26.1(1)*

### **G32. Contacts List**

The current address and phone number for reports and notifications to the EPA administrator is:

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

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

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

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

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

## **V. APPENDIX A – Applicable Federal Standards**

### **New Source Performance Standards:**

**40 CFR 60 Subpart A** – *General Provisions*

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

**40 CFR Subpart DD** – *Standards of Performance for Grain Elevators*

A listing of all the promulgated NSPS rules, EPA Region 7 staff contact information (for questions pertaining to the rule), compliance assistance links and a link to each NSPS can be found at the link below:

<https://www.epa.gov/caa-permitting/air-technology-standards-region-7>

### **National Emission Standards for Hazardous Air Pollutants:**

**40 CFR 63 Subpart A** – *General Provisions*

**40 CFR Part 63 Subpart GGGG** – *National Emission Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production*

**40 CFR 63 Subpart DDDDD** - *National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters*

A listing of all the promulgated MACT rules, EPA Region 7 staff contact information (for questions pertaining to the rule), compliance assistance links and a link to each NSPS can be found at the link below:

<https://www.epa.gov/caa-permitting/air-technology-standards-region-7>



## V. APPENDIX B – Facility O&M Plans Summary

The following emission units are subject to a facility O&M plan:

EP	EU ID	EU Description
1	1	Grain Receiving
3	3	Grain Handling (Bean Handling/Elevator)
43	43	Meal Truck Load-out #1
44	44	Meal Truck Load-out #2
49	49.1	Meal Dryer Deck #1
	49.2	Meal Dryer Deck #2
	49.3	Meal Dryer Deck #3
	49.4	Meal Dryer Deck #4
58	58 <sup>(1)</sup>	Ground Pod Aspiration
59	59 <sup>(1)</sup>	Pellet Tank
129	129 <sup>(1)</sup>	Prep Exhaust System
131	131 <sup>(1)</sup>	Flaker Aspiration
132	132 <sup>(1)</sup>	Meal Grinding Aspiration
134	21	Hull Grinding

<sup>(1)</sup> Facility operation and maintenance plans are to be developed by the facility within six (6) months of the issuance date of this permit for EU(s) 58, 59, 129, 131, and 132.

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

## V. APPENDIX C – CAM Plans Summary

### I. Background

#### A. Emissions Unit

Description: See CAM Table 1 for full listing  
Identification: See CAM Table 1 for full listing  
Facility: Cargill, Inc. - Cedar Rapids - Soybean East Plant  
Cedar Rapids, Iowa

#### B. Applicable Regulation, Emission Limit, and Monitoring Requirements

Regulation No.: See CAM Table 1 for full listing  
Emission Limit or Standard: See CAM Table 1 for full listing  
Current Monitoring Requirements: See CAM Table 1 for full listing

#### C. Control Technology

See CAM Table 1 for full listing

### II. Monitoring Approach

#### General Monitoring Guidelines

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

#### Excursion from Compliance

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

#### A. Indicator

See CAM Table 1 for a full list of monitoring indicators identified by emission point and associated control equipment.

#### B. Measurement Approach

See CAM Table 1 for individual monitoring frequencies for each of the selected monitoring indicators identified by emission point and associated control equipment.

#### C. Indicator Range

See CAM Table 1 for the appropriate indicator range(s) for each of the selected monitoring indicators identified by emission point and associated control equipment. An excursion is defined as an observation of a monitoring indicator that falls outside/below the identified indicator range. Where no visible emissions are the monitoring indicator, the presence of visible emissions is defined as an excursion. Excursions trigger an inspection, corrective action and a recordkeeping requirement.

D. Performance Criteria

Data representativeness:

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

Recordkeeping and Reporting

(Verification of operational status):

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

QA/QC practices and criteria:

All instruments and control equipment will be calibrated, maintained, and operated according to the manufacturer's specifications. For visible emissions observations as identified in CAM Table 1: observe no emissions are being emitted. If an emission is seen, the system is immediately shut down for review.

Monitoring frequency:

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

Data collection procedure:

Monitoring indicators are recorded in the plant information system and will be maintained for 5 years. Operator logs and maintenance records will be kept for 5 years.

Averaging period:

None

Corrective Action:

In all cases, corrective action shall be taken as soon as possible, but later than 8 hours from the observation of the excursion.

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

EP	EU	EU Description	CE	Pollutant	Emission Limit(s)	Monitoring Indicator	Indicator Range	Monitoring Frequency	Regulation No.
40	40	Elevator Aspiration	Baghouse	PM / PM <sub>10</sub>	0.1 gr/dscf; 0.01 gr/dscf; 0.64 lb/hr <sup>1</sup> ; 0.42 lb/hr <sup>2</sup>	ΔP	> 0.2 and < 10.0 in. W.C.	Daily	LCPH ATI 7335
	2	Grain Receiving				VE	No Visible Emissions	Weekly	

<sup>1</sup> Grain cleaning operations with rail receiving

<sup>2</sup> Grain cleaning operations only

## V. APPENDIX D – Opacity Monitoring Summary

### Opacity Monitoring

The facility shall check the opacity weekly during a period when the emission unit listed in Opacity Monitoring Tables 1 and 2 are at or near normal load and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required.

If an opacity > 20% is observed from an emission point listed in Opacity Monitoring Table 1, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

**Opacity Monitoring Table 1.**

EU	EU	EU	EU	EU	EU	EU	EU
34	36	42	43	44	49	56	57
58	59	129	130	131	132	133	21

If an opacity >0 % is observed from an emission point listed in Opacity Monitoring Table 2, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

**Opacity Monitoring Table 2.**

EU	EU	EU	EU
1	3	40	501

Authority for Requirement: 567 IAC 22.108(14)

## V. APPENDIX E – Stack Testing Summary

EP	EU Description	Pollutant	Completion Deadline	Test Method

Stack testing is not required as part of this renewal permit.

Authority for Requirement – 567 IAC 22.108(3)