

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

Facility Name: Cargill, Inc – Domestic Soybean Processing
Facility Location: 1110 12th Avenue SW, Cedar Rapids, IA 52404
Air Quality Operating Permit Number: 07-TV-010R3
Expiration Date: December 31, 2029
Permit Renewal Application Deadline: July 1, 2029

EIQ Number: 92-9010
Facility File Number: 57-01-002

Responsible Official

Name: Amelia Denning
Title: Facility Manager
Mailing Address: 1110 12th Avenue SW Cedar Rapids, Iowa 52404
Phone #: 816-245-0500

Permit Contact Person for the Facility

Name: Amelia Denning
Title: Facility Manager
Mailing Address: 1110 12th Avenue SW Cedar Rapids, Iowa 52404
Phone #: 816-245-0500

This permit is issued in accordance with 567 Iowa Administrative Code Chapter 24 and is issued subject to the terms and conditions contained in this permit.

For the Director of the Department of Natural Resources



01/01/2025

Marnie Stein, Supervisor of Air Operating Permits Section

Date

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Abbreviations

acfm	actual cubic feet per minute
ATI	authorization to install
CFR	Code of Federal Regulation
CE	control equipment
CEM	continuous emission monitor
°F	degrees Fahrenheit
EIQ	emissions inventory questionnaire
EP	emission point
EU	emission unit
FDS	Flash Desolventizing System
gr./dscf	grains per dry standard cubic foot
gr./100 cf.	grains per one hundred cubic feet
H	Horizontal
IAC	Iowa Administrative Code
IDNR	Iowa Department of Natural Resources
MOS	Mineral Oil Scrubber
MVAC	motor vehicle air conditioner
NESHAP	national emission standards for hazardous air pollutant
NSPS	new source performance standard
NAICS	North American Industry Classification System
ppmv	parts per million by volume
lb./hr	pounds per hour
lb./MMBtu	pounds per million British thermal units
OP	Old Plant
PTO	permit to operate
SCC	Source Classification Codes
scfm	standard cubic feet per minute
SIC	Standard Industrial Classification
TPH	tons per hour
TPY	tons per year
V	vertical, unobstructed
USEPA	United States Environmental Protection Agency

Pollutants

PM	particulate matter
PM ₁₀	particulate matter ten microns or less in diameter
PM _{2.5}	particulate matter two point five microns or less in diameter
SO ₂	sulfur dioxide
NO _x	nitrogen oxides
VOC	volatile organic compound
CO	carbon monoxide
HAP	hazardous air pollutant
SHAP	single hazardous air pollutant
THAP	total hazardous air pollutant

I. Facility Description and Equipment List

Facility Name: Cargill, Inc – Domestic Soybean Processing
 Permit Number: 07-TV-010R3

Facility Description: Soybean Processing Plant (NAICS 311224; SIC 2075, 2099)

Table 1 – Equipment List

Emission Point #	Emission Unit #	Emission Unit Description	Construction Permit # (LCPH ATI/PTO)
1	1.1	Boiler (Natural Gas)	4539 / 4607-R1
	1.2	Boiler (Fuel Oil)	
	1.3	Boiler (Vegetable Oil)	
5	5.1	South Cracking Roll	3296 / 3301
		North Cracking Roll	
	5.2	Scale Discharge Leg	
		Cracked Bean Swift Flow Bottom 1	
		Cracked Bean Swift Flow Bottom 2	
	5.3	Lower Garner Bin	
		Upper Garner Bin	
		Scale Bin	
Bin 83			
Cracked Bean Swift Flow Top			
6	6.1	Main Dehulling	3297 / 3288
		Small Dehulling	
	6.2	Hull Grinding	
		Bean Plant Central Vacuum System	
7	7.1	Flaker #1	7587 / 7386
		Flaker #2	
		Flaker #3	
		Flaker #4	
		Flaker #5	
		Flaker #6	
		Flaker #7	
	7.2	Flaker Feed Screw	
		Flaker Discharge Screw	
		Cracked Bean Recycle Screw	
7.3	Flake Drag to Extraction Tail Section		
8	8.5	Meal Loadout	7108 / 6853
	8.6	Flake Loadout	
9	9.1	Conveyor Unloading Tank	3300 / 3289
		Weed Seed Leg	
		Wet Bean Leg	
		Dry Bean Leg	
		Bean Cleaner Leg	
		Truck Dump Pit Drag	
		Druck Dump Pit Leg	
9	9.1	Elevator - Top Conveyor Aspiration	3300 / 3289
	9.2	Series Tramco Conveyor Aspiration	
		Bean Cleaner Aspiration	
14	14.1	Grain Drying – Soybeans	3302 / 3269
	14.2	Grain Drying (Natural Gas)	

Emission Point #	Emission Unit #	Emission Unit Description	Construction Permit # (LCPH ATI/PTO)
	14.3	Grain Drying (Propane)	
19	19	Flake Seal Aspiration	7996 / 7573
25	25	Line 2 Extrusion	7792 / 7543
37	37	Class C Flour Tank	1911 / 1863
40	40.1	Flour Tank 5	18 / 178
	40.2	Flour Tank 6	
42	42.1	Flour Tank 1	276 / 173
	42.2	Flour Tank 2	
	42.3	Sack Tank	
45	45	OP Tank 1	4181 / 4101
52	52	Flour Mill Vacuum	7794 / 7544
54	54.1	Bulk Bag Tank	3264 / 3278
	54.2	Blend Tank	
	54.3	Tank 7	
		Tank 8	
		Tank 9	
55	55.1	Tote Dust Collector II	1808 / 1498
		Tote Dust Collection	
		Sacker Weigh Hopper	
		Sacker Weigh Hopper II	
		Sack Tank	
		Sack Tank II	
		Sacker	
		Sacker II	
	55.2	Sifter	
		Sifter II	
		Bucket Elevator Head Section	
		Bucket Elevator Tail Section	
		Bucket Elevator Head Section II	
		Bucket Elevator Tail Section II	
56	56.1	Reject Flour Tank	6866 / 6679
	56.2	Grinder 1	
	56.3	Grinder 2	
	56.4	Grinder 3	
65	65.1	Extrusion Reject Tank	3333 / 3267
66	66.1	Extrusion Flour Tank #1	7242 / 7058
	66.2	Extrusion Flour Tank #2	
	66.3	Extrusion Flour Tank #3	
	66.4	Extrusion Flour Tank #4	
	65.3	Tank 7 Aspiration Line	
74	74.1	Flake Tank 3	6868 / 6739
	74.2	Flake Tank 4	
75	75.1	OP Tank 4	3826 / 3736
	75.2	OP Tank 5	
76	76.1	OP Tank 3	3828 / 3737
	76.2	OP Tank 2	
83	83	Flour Sacking	1912 / 1862
86	86	Screens / Hulls Loadout	3306 / 3268
90	90	Hull Transfer Bin (C-7)	6001 / 5668
91	91	Line 1 Extrusion	7793 / 7545
93	93	Soybean Oil Extraction Process (Fugitive VOC)	6456 / 6524-R1
97	97	Prep Flake Storage Tank	4493 / 4672-R1
98	98	Flourmill Flake Storage Tanks A-D	6869 / 6680-R1
99	99	Stripper Cooling Dust Collector	4495 / 4674
	100	Vacuum Chamber Dust Collector	

Emission Point #	Emission Unit #	Emission Unit Description	Construction Permit # (LCPH ATI/PTO)
101	101.1	Bean Storage Bin	5003 / 5110
	101.2	Bean Storage Bin	
108	108	Protein Products Loadout Receiver	5342 / 5239-R1
109	109	Protein Products Loadout Filter	5343 / 5240-R1
110	110	White Flake Storage Tank	5686 / 5379-R1
111	111	Cooling Tower	6071 / 6229
119	119.1	3 rd Line Dryer Separator	6790 / 6736
	119.3	Extrusion Flour Transfer	
	119.4	Feed Scale Bin Vent Filter	
	63	Line 2 Vegetable Protein Dryer / Cooler	
	64	Line 1 Vegetable Protein Dryer / Cooler	
120	120	Extruded Loadout Bin 1	6791 / 6676
121	121	Extruded Loadout Bin 2	6792 / 6677
122	122	Extruded Loadout Bin 3	6793 / 6678
123	123	Flake Tanks Receiver	6878 / 6681
124	65.2	Plains Receiver (Extrusion Tank 5)	6855 / 6740
125	65.3	Browns Receiver (Extrusion Tank 6)	6856 / 6741
126	126	Line 3 Extrusion	7688 / 7520
127	127	Packaging Vacuum System	7795 / 7535
128	128	Bean Tank #9	7611 / 7300
129	129	Bean Tank #10	7612 / 7301
130	9.2A	Pod Grinder	7711 / 7516
131	9.1A	Truck Dump Pit	7770 / 7512

Table 2 - Insignificant Activities Equipment List

Insignificant Emission Unit #	Insignificant Activities Emission Unit Description
134	Line 2 Space Heater
133-1	Triangle Warehouse Heater Burner 3
132-1	Triangle Warehouse Heater Burner 2
131-1	Triangle Warehouse Heater Burner 1
115-1	Palletizer Room Heater Burner 3
114-1	Palletizer Room Heater Burner 2
113-1	Palletizer Room Heater Burner 1
135	Line 1 Space Heater
94 ¹	Fuel Oil Storage Tank and Unload (LCPH ATI 3270 / PTO 3277)
29 ¹	Extractor Purge Fan – All emissions for this source accounted for under EP93 (LCPH ATI 3308 / PTO 3332)
30 ¹	Extraction Final Vent – All emissions for this source accounted for under EP93 (LCPH ATI 3309 / PTO 3299)
92 ¹	Extraction Floor Sweeps – All emissions for this source accounted for under EP93 (LCPH ATI 3310 / PTO 3300)

¹ The construction permit associated with this emission unit does not contain any specific terms or conditions, therefore it qualifies as an insignificant activity per 567 IAC 24.103.

II. Plant-Wide Conditions

Facility Name: Cargill, Inc – Domestic Soybean Processing
 Permit Number: 07-TV-010R3

Permit conditions are established in accord with 567 Iowa Administrative Code rule 22.108. When 567 IAC as amended May 15, 2024, and cited in this permit becomes State Implementation Plan (SIP) approved, it will supersede 567 IAC as amended February 8, 2023. Prior to May 15, 2024, all Title V rule citations in this Title V permit were found and cited in 567 IAC Chapter 22. During the period from May 15, 2024, to the date that 567 IAC as amended May 15, 2024, is approved into the SIP, both 567 IAC as amended May 15, 2024 and 567 IAC as amended February 8, 2023 form the legal basis for the applicable requirements included in this permit. A crosswalk showing the citation changes is attached to this permit in Appendix F.

Permit Duration

The term of this permit is: 5 years
 Commencing on: January 1, 2025
 Ending on: December 31, 2029

Amendments, modifications and reopenings of the permit shall be obtained in accordance with 567 Iowa Administrative Code rules 24.110 - 24.114. Permits may be suspended, terminated, or revoked as specified in 567 Iowa Administrative Code Rules 24.115.

Plant-Wide Emission Limits

The atmospheric emissions from the plant shall not exceed the following:

Table 3 – Plant-Wide Emission Limits

Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
VOC	257.9 tpy ^{1,2}		LCPH ATI 6456 / PTO 6524-R1
	0.9 gal/ton ³	Consent Decree 05-CV-2037	
SHAP	1.7 gal/ton ⁴	40 CFR §63.2840 567 IAC 23.1(4)"cg" LCO Sec. 10-62(d)(85)	
SHAP/THAP	165.06 tpy ⁵		

¹ This is a facility-wide limit requested by Cargill for solvent loss associated with the Solvent Extraction for Vegetable Oil Production Plant. The solvent loss limit encompasses all sources of solvent loss, i.e. MOS Main Vent (EP 93), White Flake Cooler (EP 32), (4) White Flake Surge Tanks (EP 98), White Flake Storage Tanks 3,4 (EP 74), White Flake Cooler (EP 99), (2) White Flake Storage Tanks (EP 97), Meal Bulk and Rail Loadout (EP 11), Meal Dryer (EP 34), Meal Cooler (EP 35), Meal Grinding (EP 08), Meal Storage (EP 02), Flour Mill operation, and fugitive losses. Compliance with the requested 257.9 tpy limit is determined on a mass balance approach (See "Operating Limits and Operating Condition Monitoring and Recordkeeping" requirements).

² Limit requested by Cargill to limit the VOC emissions white flake expansion project. The 257.9 tpy is a "synthetic minor" increase for the purposes of PSD and relaxation of this limit will trigger PSD. Any future request for a relaxation of this emission cap will trigger PSD review as specified in 40 CFR §52.21(r)(4).

³ Emission Limit is based on Appendix G of the Cargill Consent Decree for specialty soybean processing (05-CV-2037) sources.

⁴ Emission limit is based on NESHAP Subpart GGGG 40 CFR §63.2840 for existing specialty soybean processing sources.

⁵ This is a facility-wide limit requested by Cargill.

Plant-Wide Operational Limits & Requirements

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

Control Equipment

A mineral oil scrubber (MOS) shall be installed to control VOC/VHAP 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 equipment at all times.

Authority for Requirement: LCPH ATI 6456 / PTO 6524-R1

Federal Standards

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

The following subparts apply to the facility.

Table 4 - Applicable NESHAP Standards

EU ID	Subpart	Title	Type	Local Reference (LCO Sec.)	Federal Reference (40 CFR)
93	A	General Conditions	--	10-62(d)(1)	§63.1 – §63.15
	GGGG	National Emissions Standards for Hazardous Air Pollutants: Solvent Extraction for Vegetable Oil Production	Existing	10-62(d)(85)	§63.2830 - §63.2872

Authority for Requirement: LCPH ATI 6456 / PTO 6524-R1; LCO Sec. 10-62(d)(85); 567 IAC 32.1(4)"cg"

Operating Limits

- A. The maximum VOC content of any solvent shall not exceed 5.6 pounds per gallon.
- B. The maximum solvent usage shall not exceed 92,107 gallons per 12-month rolling period.
- C. The maximum crush rate shall not exceed 438,000 tons per 12-month rolling period.
- D. This facility shall meet requirements of 40 CFR §63.1-16, Subpart A, to comply with LCO Sec. 10-62(d)(1).
- E. This facility shall comply with the requirements of NESHAP Subpart GGGG by meeting the standards of 40 CFR §63.2840 to comply with LCO Sec. 10-62(d)(85).
- F. This facility shall comply with the requirements of NEHAP Subpart GGGG by meeting the compliance requirements of 40 CFR §63.2850 through 40 CFR §63.2855 to comply with LCO Sec. 10-62(d)(85).
- G. The baseline actual emissions for the project are 149.47 tons per year of solvent loss. Per 567 IAC 33.3(18)"f"(1), prior to beginning actual construction of the project (LCPH Project Number 1939) the owner or operator shall document:
 - i. A description of the project (LCPH Project Number 1939),
 - ii. Identification of the emissions unit(s) whose emissions of a regulated NSR pollutant could be affected by the project (LCPH Project Number 1939), and
 - iii. A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including the baseline actual emissions (BAE), the projected actual emissions (PAE), the amount of emissions excluded under paragraph "3" of the definition of "projected actual emissions" in subrule 33.3(1), an explanation describing why such amount was excluded, and any netting analysis if applicable.
- H. Per 567 IAC 33.3(18)"f"(4), the owner or operator shall:
 - i. Monitor the emission of any regulated NSR pollutant that could increase as a result of the project that is emitted by any emissions unit identified in "Operating Limits Condition G".
 - ii. Calculate the annual emissions, in tons per year on a calendar-year basis, for a period of five (5) years following resumption of regular operations and maintain a record of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity or potential to emit of that regulated NSR pollutant at such emissions unit (for the purposes of this requirements, "regular" shall be determined by the department on a case-by-case basis).
 - iii. Maintain a written record containing the information required in this subparagraph.

- I. Per 567 IAC 33.3(18)"g", the owner or operator shall make the information required to be documented and maintained pursuant to 567 IAC 33.3(18)"f" available for review upon request for inspection by the Department or the general public pursuant to the requirements for Title V operating permits contained in 567 IAC 22.107(6).

Authority for Requirement: LCPH ATI 6456 / PTO 6524-R1

Operating Condition Monitoring and Recordkeeping

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

- A. A Material Safety Data Sheet (MSDS) of all solvent(s) used in the extraction process.
- B. Record the VOC and VHAP content of the solvent upon each new shipment of solvent to the facility in pounds per gallon.
- C. Record the total solvent usage in gallons on a monthly basis and calculate the 12-month rolling total solvent usage to determine compliance with the operating limit in "Operating Limits Condition B".
- D. Record on a monthly basis the total soybeans crushed in tons.
- E. Calculate and record the rolling 12-month totals of the amount of soybeans crushed in tons.
- F. Record all maintenance and repair completed on the Mineral Oil Scrubber.
- G. The facility is allowed to exclude emissions following this change that could have been accommodated during the consecutive 24-month period used to establish BAE and are unrelated to this project (i.e., increased utilization due to demand growth). The facility shall be required to include a justification for any emissions excluded due to demand growth.
- H. Per 567 IAC 33.3(18)"f"(1), the owner or operator shall maintain a record of the information required in Condition 14.G. of this permit.
- I. Per 567 IAC 33.3(18)"f"(4) and 567 IAC 33.3(18)"f"(5), the owner or operator shall maintain a record containing the information required in "Operating Limits Condition H" of this permit and that record shall be retained by the owner or operator for a period of ten (10) years after the project (LCPH Project Number 1939) is completed.
- J. Recordkeeping for NESHAP Subpart GGGG shall be done according to 40 CFR §63.2862 and 40 CFR §63.2863.
- K. Reporting for NESHAP Subpart GGGG shall be done according to 40 CFR §63.2861.

Authority for Requirement: LCPH ATI 6456 / PTO 6524-R1

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)

SO₂: 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. (the preceding sentence is State Only) All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate. The public highway authority shall be responsible for taking corrective action in those cases where said authority has received complaints of or has actual knowledge of dust conditions which require abatement pursuant to this subrule. Reasonable precautions may include, but not be limited to, the following procedures.

1. Use, where practical, of water or chemicals for control of dusts in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land.
2. Application of suitable materials, such as but not limited to asphalt, oil, water or chemicals on unpaved roads, material stockpiles, racetracks and other surfaces which can give rise to airborne dusts.
3. Installation and use of containment or control equipment, to enclose or otherwise limit the emissions resulting from the handling and transfer of dusty materials, such as but not limited to grain, 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

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 24.108

40 CFR 60 Subpart Dc Requirements

This facility is subject to Standards of Performance for Small Industrial, Commercial, Institutional Steam Generating Units. Affected unit at the facility is EU01.1 (Boiler).

See Appendix A, Applicable Federal Standards.

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

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 Part 60 Subpart DD
567 IAC 23.1(2)"ooo"
LCO Sec. 10-62(b)(67)

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 Part 63 Subpart GGGG
567 IAC 23.1(4)"cg"
LCO Sec. 10-62(d)(85)

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. Affected unit at the facility is EU01.1 (Boiler).

See Appendix A, Applicable Federal Standards.

Authority for Requirement: 40 CFR Part 63 Subpart DDDDD

III. Emission Point-Specific Conditions

Facility Name: Cargill, Inc – Domestic Soybean Processing
 Permit Number: 07-TV-010R3

Emission Point ID Number: 1

Table 5 - Associated Equipment

EP	EU	EU Description	Fuel	Rated Capacity	CE ID	CE Description
1	1.1	Boiler (70.7 MMBtu/hr)	Natural Gas	0.067 MMcf/hr	--	--
	1.2		Fuel Oil	506.5 gal/hr		
	1.3		Vegetable Oil	544 gal/hr		

Applicable Requirements

Table 6 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
1	Opacity	20%	LCO Sec.10-60(a) 40 CFR §60.43c(c)	LCPH ATI 4539 / PTO 4607-R1
	PM	0.38 lb/MMBtu	LCO Sec. 10-61(a)(2)	
	PM/PM ₁₀	2 lb/hr; 6.08 tpy		
	SO ₂	9.27 lb/hr; 34.11 tpy		
		0.5 lb/MMBtu	40 CFR §60.42c(e)"2"	
		1.5 lb/MMBtu	LCO Sec. 10-65(a)(1)(b)	
		500 ppm _v	567 IAC 23.3(3)"e" LCO Sec. 10-65(a)(2)	
	NO _x	12.8 lb/hr; 51.7 tpy		
VOC	0.38 lb/hr; 1.66 tpy			
CO	13 lb/hr; 40.3 tpy			

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:

Table 7 - Applicable NSPS Standards

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

- B. National Emission Standards for Hazardous Air Pollutants (NESHAP):
The following subparts apply to the emission unit(s) in this permit:

Table 8 - Applicable NESHAP Standards

EU ID	Subpart	Title	Type	Local Reference (LCO Sec.)	Federal Reference (40 CFR)
1	A	General Conditions	--	10-62(d)(1)	§63.1 – §63.15
	DDDDD	National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters	Natural Gas	--	§63.7480 – §63.7575

Authority for Requirement: LCPH ATI 4539 / PTO 4607

Operating Limits

- A. Fuel sulfur content shall not exceed 0.12% for #2 fuel oil and vegetable oil.
- B. The boiler shall only combust natural gas, #2 fuel oil, or vegetable oil.
- C. The boiler shall not combust more than 3.2 million gallons of vegetable oil per a 12-month rolling period.
- D. The boiler shall not combust more than 4.0 million gallons of liquid fuels (total combined for vegetable oil and #2 fuel oil) per a 12-month rolling period.
- E. The boiler shall combust only one fuel type at any given time.
- F. The initial tank of #2 fuel oil shall be analyzed to demonstrate compliance with the 0.12% sulfur content limit, by weight. Thereafter, Cargill shall sample the oil in the tank after each new shipment of oil is received.
- G. The initial tank of vegetable oil shall be analyzed to demonstrate compliance with the 0.12% sulfur content limit, by weight. Thereafter, Cargill shall sample the oil in the tank after each new shipment of oil is received.
- H. If a vegetable and/or fuel oil sample is analyzed with a sulfur by weight concentration greater than 0.12%, Cargill shall ensure that the sulfur content of subsequent vegetable and/or fuel oil shipments is low enough to cause the 30-day rolling average sulfur content to be equal to or less than 0.12% sulfur content, by weight.

Authority for Requirement: LCPH ATI 4539 / PTO 4607-R1

Operating Condition Monitoring and Recordkeeping

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

- A. During the first twelve (12) months of operation, determine the cumulative throughput of **each** fuel type for each month of operation.
- B. After the first twelve(12) months of operation, determine the annual throughput of **each** fuel type on a rolling 12-month basis for each month of operation.¹
- C. Maintain records of fuel oil sulfur content after each new shipment is analyzed.
- D. Maintain records of vegetable oil sulfur content after each new shipment is analyzed.
- E. Copies of test results shall be retained until a new approved representative test is conducted or for 5 years, whichever is longer.
- F. All applicable requirements of 40 CFR 60, Subpart Dc shall be adhered to.

¹ Per EPA guidance, if only natural gas or low sulfur fuel oil is used, compliance can be adequately verified by keeping fuel usage records less frequently (i.e. weekly or monthly). Linn County will accept weekly or monthly records for the natural gas combusted for this short time.

Authority for Requirement: LCPH ATI 4539 / PTO 4607-R1

Quarterly Report Requirements:

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

- A. If liquid fuels were burned during any part of the quarter, the owner or operator shall report fuel type, quantity and sulfur concentration (by weight) for each month.

Authority for Requirement: LCPH ATI 4539 / PTO 4607-R1

Bi-Annual Report Requirements (per 40 CFR 60.48c(j)):

The following information shall be submitted to this department by the 30th day of each six-month period for the previous six months (January 30 and July 30):

- A. Calendar dates covered in the reporting period (40 CFR §60.48c(e)(1)).
- B. Each 30-day average SO2 emission rate (ng/J or lb/mmBTU), or 30-day average sulfur content (weight percent), calculated during the reporting period, ending with the last 30-day period; reasons for any noncompliance with the emission standards; and a description of corrective actions taken (40 CFR §60.48c(e)(2)).

Authority for Requirement: LCPH ATI 4539 / PTO 4607-R1

Table 9 - 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	24	V	42	Ambient	12,231	LCPH ATI 4539 / PTO 4607-R1

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

Monitoring Requirements

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

Stack Testing

Refer to Appendix E, Stack Testing, for the applicable requirements.

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.

Authority for Requirement: 567 IAC 24.108(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 24.108(3)

Emission Point ID Number: 5

Table 10 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
5	5.1	South Cracking Roll	Soybeans	50 tph	5	Fabric Filter
		North Cracking Roll				
	5.2	Scale Discharge Leg				
		Cracked Bean Swift Flow Bottom 1				
		Cracked Bean Swift Flow Bottom 2				
	5.3	Cracked Bean Surge Tank				
		Cracked Bean Swift Flow Top				
		Bin 83				
		Scale Bin				
		Upper Garner Bin				
		Lower Garner Bin				

Applicable Requirements

Table 11 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
5	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 3296 / PTO 3301
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	Opacity	10%		
	PM/PM ₁₀	0.02 gr/scf; 1.7 lbs/hr; 7.5 tpy		

Operational Limits & Requirements

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

Control Device

The fabric filter dust collector shall be maintained on this source in good operating condition at all times.
Authority for Requirement: LCPH ATI 3296 / PTO 3301

Operating Limits

- A. The maximum process shall not exceed 438,000 ton beans/yr on a 12-month rolling sum.
 - B. The maximum air flow rate shall be 10,000 scfm.
 - C. The fabric filter dust collector must be operated whenever the soybean conveying, cracking, and classifying equipment are in operation.
- Authority for Requirement: LCPH ATI 3296 / PTO 3301

Compliance Testing & Monitoring Requirements

The following information shall be monitored:

- A. Daily pressure drop readings
 - B. Monthly process rate
- All monitors shall be easily accessible to air pollution personnel.
Authority for Requirement: LCPH ATI 3296 / PTO 3301

Recordkeeping Requirements

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. Daily pressure drop readings
- B. Monthly process rate
- C. Monthly rolling sum emission calculations
- D. Any changes in operation that could affect emissions, including changes in fan speed
- E. Records of all maintenance and repair completed on the control device.

Authority for Requirement: LCPH ATI 3296 / PTO 3301

Reporting

Submit quarterly emissions report summarizing the following items by the 15th of each month for the previous quarter (January 15, April 15, July 15, and October 15).

- A. Monthly process rate
- B. Monthly rolling emission calculations

Authority for Requirement: LCPH ATI 3296 / PTO 3301

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 24.108(14)

Stack Testing

See Appendix E, Stack Testing Summary.

Authority for Requirement: 567 IAC 24.108(14)

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes ¹ No

¹ See Appendix C, Facility O&M Plans, for the applicable requirements.

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: 6

Table 12 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
6	6.1	Small Dehulling	Soybean Hulls	50 tph	6	Fabric Filter
		Main Dehulling				
	6.2	Hull Grinding				
		Bean Plant Central Vacuum System				

Applicable Requirements

Table 13 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
6	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 3297 / PTO 3288
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	Opacity	10%		
	PM/PM ₁₀	0.02 gr/scf; 2.2 lbs/hr; 9.6 tpy		

Operational Limits & Requirements

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

Control Device

The fabric filter shall be maintained on this source in good operating condition at all times.

Authority for Requirement: LCPH ATI 3297 / PTO 3288

Operating Limits

The maximum process shall not exceed 438,000 ton beans/yr on a 12-month rolling sum.

The maximum air flow rate shall be 12,750 scfm.

The fabric filter dust collector must be operated whenever the dehulling cyclone (small and main) and central vacuum system is in operation.

Authority for Requirement: LCPH ATI 3297 / PTO 3288

Compliance Testing & Monitoring Requirements

The following information shall be monitored:

- A. Daily pressure drop readings on dust collectors
- B. Monthly process rate

All monitors shall be easily accessible to air pollution personnel.

Authority for Requirement: LCPH ATI 3297 / PTO 3288

Recordkeeping Requirements

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. Daily pressure drop readings
- B. Monthly process rate
- C. Monthly rolling sum emission calculations
- D. Any changes in operation that could affect emissions, including changes in fan speed
- E. Records of all maintenance and repair completed on the control device.

Authority for requirement: LCPH ATI 3297/ PTO 3288

Reporting

Submit quarterly emissions report summarizing the following items by the 15th of each month for the previous quarter (January 15, April 15, July 15, and October 15).

A. Monthly process rate

B. Monthly rolling sum emission calculations.

Authority for Requirement: LCPH ATI 3297 / PTO 3288

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 24.108(14)

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes ¹ No

¹ See Appendix C, Facility O&M Plans, for the applicable requirements.

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: 7

Table 14 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
7	7.1	Flaker #1	Soybeans	50 tph	7	Cyclone
		Flaker #2				
		Flaker #3				
		Flaker #4				
		Flaker #5				
		Flaker #5				
		Flaker #6				
	Flaker #7					
	7.2	Flaker Feed Screw				
		Flaker Discharge Screw				
		Cracked Bean Recycle Screw				
		Flake Drag to Extraction Tail Section				
	7.3	Vertical Seed Conditioner				

Applicable Requirements

Table 15 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
7	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7587 / PTO 7386
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM/PM ₁₀	0.64 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 (CE007) associated with these emission units shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all maintenance completed on the control equipment.

Authority for Requirement: LCPH ATI 7587 / PTO 7386

Table 16 - 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
7	72.5	V	30	140	15,000	LCPH ATI 7587 / PTO7386

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

Monitoring Requirements

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

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.
 Authority for Requirement: 567 IAC 24.108(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 24.108(3)

Emission Point ID Number: 8

Table 17 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
8	8.5	Meal Loadout	Soybean Meal	70 tph	8	Fabric Filter
	8.6	Flake Loadout		70 tph		

Applicable Requirements

Table 18 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
8	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7108 / PTO 6853
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM/PM ₁₀	0.40 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 associated with these emission units (CE008) shall be maintained in accordance with the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all maintenance completed on the control equipment, including bag replacement.
- C. The normal differential pressure across the control equipment (CE008) shall be maintained between 0.25 and 10.0 inches of water column. The owner or operator shall monitor and record the differential pressure across the control equipment on a weekly basis.

Authority for Requirement: LCPH ATI 7108 / PTO 6853

Table 19 - 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
8	69	V	22	Ambient	4,000 to 5,800 scfm	LCPH ATI 7108 / PTO 6853

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

Monitoring Requirements

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

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.

Authority for Requirement: 567 IAC 24.108(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 24.108(3)

Emission Point ID Number: 9

Table 20 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
9	9.1	Conveyor Unloading Tank	Soybeans	50 tph	9	Fabric Filter
		Weed Seed Leg				
		Wet Bean Leg				
		Dry Bean Leg				
		Bean Cleaner Leg				
		Truck Dump Pit				
		Truck Dump Pit Leg				
		Elevator – Top Conveyor Aspiration				
	Series Tramco Conveyor Aspiration					
	9.2	Bean Cleaner Aspiration				
		Pod Grinder				
Leg 301						

Applicable Requirements

Table 21 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
9	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 3300 / PTO 3289
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	Opacity	10%		
	PM/PM ₁₀	0.02 gr/scf; 6.7 lb/hr; 29.4 tpy		

Operational Limits & Requirements

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

Control Device

The fabric filter dust collector shall be maintained on this source in good operating condition at all times.

Authority for Requirement: LCPH ATI 3300 / PTO 3289

Operating Limits

- A. The maximum process rate shall not exceed 438,000 ton beans/yr on a 12-month rolling sum.
- B. The maximum air flow rate shall be 39,200 scfm.
- C. The fabric filter dust collector must be operated whenever the soybean unloading, cleaning, transporting, and aspirating equipment is in operation..

Authority for Requirement: LCPH ATI 3300 / PTO 3289

Compliance Testing and Monitoring Requirements

The following information shall be monitored:

- A. Daily pressure drop readings
 - B. Monthly process rate
- All monitors shall be easily accessible to air pollution personnel.

Authority for Requirement: LCPH ATI 3300 / PTO 3289

Recordkeeping Requirements

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. Daily pressure drop readings
- B. Monthly process rate
- C. Monthly rolling sum emission calculations
- D. Any changes in operation that could affect emissions, including changes in fan speed
- E. Records of all maintenance and repair completed on the control device.

Authority for Requirement: LCPH ATI 3300 / PTO 3289

Reporting

Submit quarterly emissions report summarizing the following items by the 15th of each month for the previous quarter (Jan. 15, Apr. 15, July 15, and Oct. 15).

- 1. Monthly process rate
- 2. Monthly rolling sum emission calculations

Authority for Requirement: LCPH ATI 3300 / PTO 3289

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 24.108(14)

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes ¹ No

¹ See Appendix C, Facility O&M Plans, for the applicable requirements.

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: 14

Table 22 - Associated Equipment

EP	EU	EU Description	Raw Material/Fuel	Rated Capacity	CE ID	CE Description
14	14.1	Grain Drying	Soybeans	50 tph	--	--
	14.2	Grain Drying	Natural Gas	0.0225 mmcf/hr		
	14.3	Grain Drying	Propane	23 MMBtu/hr		

Applicable Requirements

Table 23 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
14	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 3302 / PTO 3269
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	Opacity	10%		
	PM/PM ₁₀	0.02 gr/scf; 12.9 lb/hr; 56.5 tpy		

Operational Limits & Requirements

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

Control Device

The settling chamber shall be maintained on this source in a good operating condition at all times.

Authority for Requirement: LCPH ATI 3302 / PTO 3269

Operating Limits

- A. The maximum dryer rate shall not exceed 438,000 tons beans/year on a 12-month rolling sum.
- B. The dryer has a capacity of 23 MMBtu/hr.
- C. The dryer is permitted to burn natural gas and propane.
- D. The maximum airflow is 75,300 scfm.

Authority for Requirement: LCPH ATI 3302 / PTO 3269

Compliance Testing & Monitoring Requirements

The following information shall be monitored:

- A. Monthly process rate through dryer

All monitors shall be easily accessible to air pollution personnel.

Authority for Requirement: LCPH ATI 3302 / PTO 3269

Recordkeeping Requirements

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. Monthly drying rate
- B. Monthly rolling sum emission calculations
- C. Any changes in operation that would affect emissions, including changes in fan speed
- D. Records of all maintenance and repair completed on the control device

Authority for Requirement: LCPH ATI 3302 / PTO 3269

Reporting

Submit quarterly emissions report summarizing the following items by the 15th of each month for the previous quarter (January 15, April 15, July 15, and October 15).

- A. Monthly drying rate
 - B. Monthly rolling sum emission calculations
- Authority for Requirement: LCPH ATI 3302 / PTO 3269

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 24.108(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 24.108(3)

Emission Point ID Number: 19

Table 24 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
19	19	Flake Seal Aspiration	Soybeans	50 tph	-	-

Applicable Requirements

Table 25 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
19	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7996 / PTO 7573
	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.

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.

Authority for Requirement: LCPH ATI 7996 / PTO 7573

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
19	50	H	27 x 27	70	100	LCPH ATI 7996 / PTO 7573

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point characteristics above are different than the values stated, the owner or operator shall submit a request either by electronic mail or written correspondence to the Department within 30 days of the discovery to determine if a permit amendment is required or submit a permit 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 24.108(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 24.108(3)

Emission Point ID Number: 25

Table 26 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
25	25	Line 2 Extrusion	Soybean Flour	3 tph	25 25A	Scrubber Cyclone

Applicable Requirements

Table 27 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
25	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7792 / PTO 7543
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM/PM ₁₀	0.5 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:

- B. The owner or operator shall monitor and record 'no visible emissions' observations on a weekly basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to operations or equipment associated with the exceedance, and record the corrective action taken.
- C. The scrubber (CE025) and cyclone (CE025A) shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all maintenance performed on the scrubber and cyclone associated with this emission point.
- D. The fresh water make-up rate in the scrubber (CE025) shall be maintained at a minimum of 6 gallons per minute (gpm). The owner or operator shall monitor and record the fresh water make-up rate on a weekly basis.

Authority for Requirement: LCPH ATI 7792 / PTO 7543

Table 28 - 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
25	32	V	14	130	3,200	LCPH ATI 7792 / PTO 7543

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

Monitoring Requirements

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

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.

Authority for Requirement: 567 IAC 24.108(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 24.108(3)

Emission Point ID Number: 37, 40, 42

Table 29 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
37	37	Class C Flour Tank	Soybean Flour	20 tph	37	Bin Vent Filter
40	40	Flour Tanks 5 & 6	Soybean Flour	20 tph	40	Bin Vent Filter
42	42.1	Flour Tank 1	Soybean Flour	20 tph	42	Bin Vent Filter
	42.2	Flour Tank 2				
	42.3	Sack Tank				

Applicable Requirements

Table 30 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
37	Opacity	20%	LCO Sec.10-60(a)	
40	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
42				
37	PM/PM ₁₀	0.01 gr/scf; 0.5 lb/hr; 2.1 tpy		LCPH ATI 1911 / PTO 1863
40		0.01 gr/scf; 0.16 lb/hr; 0.71 tpy		LCPH ATI 18 / PTO 178
42		0.01 gr/scf; 0.28 lb/hr; 1.23 tpy		LCPH ATI 276 / PTO 173

Operational Limits & Requirements

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

Operating Limits

The maximum airflow rate shall be 550 scfm. **(EP37)**

The maximum airflow rate shall be 1880 scfm. **(EP40)**

The maximum airflow rate shall be 3280 scfm. **(EP42)**

Authority for Requirement: LCPH ATI 1911 / PTO 1863; LCPH ATI 18 / PTO 178; LCPH ATI 276 / PTO 173

Monitoring Requirements

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

Opacity Monitoring (EPs 37, 40, and 42)

See Appendix D, Opacity Monitoring Summary.

Authority for Requirement: 567 IAC 24.108(14)

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes ¹ No

¹ See Appendix C, Facility O&M Plans, for the applicable requirements. **(EP 42 only)**

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: 45

Table 31 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
45	45	OP Tank 1	Soybean Flour	13.5 tph	45	Bin Vent Filter

Applicable Requirements

Table 32 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
45	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 4181 / PTO 4101
	PM/PM ₁₀	0.01 gr/dscf; 0.06 lb/hr; 0.26 tpy		
	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.

Control Device

A baghouse shall be used to control particulate emissions. The control equipment shall be maintained on this source in a good operating condition at all times. All appropriate probes and gauges needed to measure the parameters outlined in "Compliance Monitoring" shall be installed and maintained in a good operating condition.

Authority for Requirement: LCPH ATI 4181 / PTO 4101

Operating Limits

Flour loading rate: 27,000 lb/hr (dry basis)

Airflow rate: 750 acfm ± 10%

Authority for Requirement: LCPH ATI 4181 / PTO 4101

Compliance Monitoring

The following information shall be monitored:

A. Weekly pressure drop readings

All monitors shall be easily accessible to air pollution personnel.

Authority for Requirement: LCPH ATI 4181 / PTO 4101

Recordkeeping Requirements

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. Weekly pressure drop readings

B. Any changes in operation that would affect emissions, including changes in fan speed

C. Record of all maintenance and repair completed on the baghouse

Authority for Requirement: LCPH ATI 4181 / PTO 4101

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 24.108(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 24.108(3)

Emission Point ID Number: 52

Table 33 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
52	52	Flour Mill Vacuum	Soybean Flour	12.44 tph	52	Baghouse

Applicable Requirements

Table 34 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
52	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7794 / PTO 7544
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM/PM ₁₀	0.06 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 baghouse (CE052) shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all maintenance performed on the baghouse, including bag changes.

Authority for Requirement: LCPH ATI 7794 / PTO 7544

Table 35 - 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
52	25	D	4	70	750 scfm	LCPH ATI 7794 / PTO 7544

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: 54

Table 36 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
54	54.1	Bulk Bag Tank	Soybean Flour	20 tph	54.1	Bin Vent Filter
	54.2	Blend Tank		20 tph	54.2	Bin Vent Filter
	54.3	Tank 7		20 tph	54.3	Bin Vent Filter
		Tank 8				
		Tank 9				

Applicable Requirements

Table 37 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
54	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 3264 / PTO 3278
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	Opacity	10%		
	PM/PM ₁₀	0.01 gr/scf; 0.6 lb/hr; 1.7 tpy		

Operational Limits & Requirements

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

Control Device

The dust collector shall be maintained on this source in good operating condition at all times. A preventative maintenance plan shall be followed to ensure continued compliance with the emission limits.

Authority for Requirement: LCPH ATI 3264 / PTO 3278

Operating Limits

- A. The maximum airflow rate shall be 4540 scfm.
- B. The dust collector must be operated whenever the process equipment is in operation.

Authority for Requirement: LCPH ATI 3264 / PTO 3278

Compliance Testing & Monitoring Requirements

The following information shall be monitored:

- A. Daily pressure drop readings when operating
- All monitors shall be easily accessible to air pollution personnel.

Authority for Requirement: LCPH ATI 3264 / PTO 3278

Recordkeeping Requirements

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. Daily pressure drop readings
- B. Any changes in operation that could affect emissions, including changes in fan speed
- C. Records of all maintenance and repair completed on the control device

Authority for Requirement: LCPH ATI 3264 / PTO 3278

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 24.108(14)

Stack Testing

See Appendix E, Stack Testing Summary.
Authority for Requirement: 567 IAC 24.108(14)

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes ¹ No

¹ See Appendix C, Facility O&M Plans, for the applicable requirements.

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: 55

Table 38 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
55	55.1	Tote Dust Collector II	Soybean Flour	12.44 tph	55	Fabric Filter
		Tote Dust Collection				
		Sacker Weigh Hopper II				
		Sacker Weigh Hopper				
		Sack Tank II				
		Sack Tank				
		Sacker				
		Sacker II				
		Sifter				
	Sifter II					
	55.2	Bucket Elevator Head Section				
		Bucket Elevator Tail Section				
		Bucket Elevator Head Section II				
Bucket Elevator Tail Section II						

Applicable Requirements

Table 39 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
55	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 1808 / PTO 1498
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM/PM ₁₀	0.01 gr/scf; 0.41 lb/hr; 1.80 tpy		

Operational Limits & Requirements

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

Operating Limits

The maximum airflow rate shall be 4790 scfm.

Authority for Requirement: LCPH ATI 1808 / PTO 1498

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 24.108(14)

Stack Testing

See Appendix E, Stack Testing Summary.

Authority for Requirement: 567 IAC 24.108(14)

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes ¹ No

¹ See Appendix C, Facility O&M Plans, for the applicable requirements.

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: 56

Table 40 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
56	56.1	Reject Flour Tank	Soybean Flour	20 tph	56.1	Bin Vent Filter
	56.2	Grinder 1		20 tph	56.2	Bin Vent Filter
	56.3	Grinder 2		20 tph	56.3	Bin Vent Filter
	56.4	Grinder 3		20 tph	56.4	Bin Vent Filter

Applicable Requirements

Table 41 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
56	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 6866 / PTO 6679
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM/PM ₁₀	0.67 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. Emission units associated with Lines 1, 2, 3, and Flour Mill are limited to a combined maximum throughput of 175,200 tons per year, based on a 12-month rolling total. The owner or operator shall monitor and record the production rate on a monthly basis, which must be summed to a 12-month rolling total to demonstrate compliance with this Condition.
- C. Emission units associated with Lines 1, 2, and Flour Mill are limited to a combined maximum throughput of 108,974.4 tons per year, based on a 12-month rolling total. The owner or operator shall monitor and record the production rate on a monthly basis, which must be summed to a 12-month rolling total to demonstrate compliance with this Condition.
- D. The control device shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall maintain records of all maintenance completed on the control device.
- E. The differential pressure across the control device shall be maintained between 0.5" and 10" of water column. The owner or operator shall monitor and record the differential pressure across the control device on a weekly basis.

Authority for Requirement: LCPH ATI 6866 / PTO 6679

Table 42 - Emission Point Characteristics

This emission point shall conform to the specifications listed below.

EP	Stack Height (feet, above ground)	Discharge Style	Stack Opening (inches, dia.)	Temp (°F)	Flowrate (acfm)	Authority for Requirement
56	71	H	48 x 48	70	25,864 scfm	LCPH ATI 6866 / PTO 6679

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

Monitoring Requirements

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

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.
 Authority for Requirement: 567 IAC 24.108(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 24.108(3)

Emission Point ID Number: 65

Table 43 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
65	65.1	Extrusion Reject Tank	Soybean Flour	15 tph	65.1	Bin Vent Filter

Applicable Requirements

Table 44 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
65	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 3333 / PTO 3267
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	Opacity	10%		
	PM/PM ₁₀	0.02 gr/scf; 1.5 lb/hr; 6.59 tpy		

Operational Limits & Requirements

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

Control Device

The dust collector shall be maintained on this source in good operating condition at all times. A preventative maintenance plan shall be followed to ensure continued compliance with the emission limits.

Authority for Requirement: LCPH ATI 3333 / PTO 3267

Operating Limits

The maximum airflow rate shall be 8770 scfm.

The dust collector must be operated whenever the process equipment is in operation.

Authority for Requirement: LCPH ATI 3333 / PTO 3267

Compliance Testing & Monitoring Requirements

The following information shall be monitored:

A. Daily pressure drop readings when operating

All monitors shall be easily accessible to air pollution personnel.

Authority for Requirement: LCPH ATI 3333 / PTO 3267

Recordkeeping Requirements

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. Daily pressure drop readings

B. Any changes in operation that could affect emissions, including changes in fan speed

C. Records of all maintenance and repair completed on the control device

Authority for Requirement: LCPH ATI 3333 / PTO 3267

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 24.108(14)

Stack Testing

See Appendix E, Stack Testing Summary.
Authority for Requirement: 567 IAC 24.108(14)

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes ¹ No

¹ See Appendix C, Facility O&M Plans, for the applicable requirements.

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: 66

Table 45 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
66	66.1	Extrusion Flour Tank #1	Soybean Flour	20 tph	66	Bin Vent Filter
	66.2	Extrusion Flour Tank #2				
	66.3	Extrusion Flour Tank #3				
	66.4	Extrusion Flour Tank #4				
	65.3	Tank 7 Aspiration Line		20 tph		

Applicable Requirements

Table 46 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
66	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7242 / 7058
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM/PM ₁₀	0.36 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 bin vent filter (CE066) shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all maintenance completed on the bin vent filter.
- C. The normal differential pressure across the bin vent filter (CE066) shall be maintained between 0.1 and 10 inches of water column. The owner or operator shall monitor and record the differential pressure across the bin vent filter on a weekly basis.

Authority for Requirement: LCPH ATI 7242 / 7058

Table 47 - 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
66	57.5	V	12	Ambient	4,250 scfm	LCPH ATI 7242 / 7058

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

Monitoring Requirements

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

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.

Authority for Requirement: 567 IAC 24.108(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 24.108(3)

Emission Point ID Number: 74

Table 48 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
74	74.1	Flake Tank 3	Soybean Flakes	20 tph	74.1	Bin Vent Filter
	74.2	Flake Tank 4		20 tph	74.2	Bin Vent Filter

Applicable Requirements

Table 49 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
74	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 6868 / PTO 6739
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM/PM ₁₀	0.33 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 bin vent filters (CE074) shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all maintenance completed on the bin vent filters.
- C. The normal differential pressure across the bin vent filters (CE074) shall be maintained between 0.1 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.

Authority for Requirement: LCPH ATI 6868 / PTO 6739

Table 50 - 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
74	75	D	15 x 10	Ambient	3,810 scfm	LCPH ATI 6868 / PTO 6739

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

Monitoring Requirements

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

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.

Authority for Requirement: 567 IAC 24.108(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 24.108(3)

Emission Point ID Number: 75, 76

Table 51 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
75	75.1	OP Tank 4	Soybean Flour	20 tph	75	Bin Vent Filter
	75.2	OP Tank 5				
76	76.1	OP Tank 3		20 tph	76	Bin Vent Filter
	76.2	OP Tank 2				

Applicable Requirements

Table 52 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
75 76	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 3827 / PTO 3736 LCPH ATI 3828 / PTO 3737
75 76	PM/PM ₁₀	0.01 gr/scf; 0.13 lb/hr; 0.56 tpy 0.01 gr/scf; 0.11 lb/hr; 0.48 tpy		LCPH ATI 3827 / PTO 3736 LCPH ATI 3828 / PTO 3737
75 76	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.

Control Device

A baghouse dust collector must be maintained in proper operating condition anytime that flour storage bins 4&5 are filled. **(EP 75)**

Authority for Requirement: LCPH ATI 3827 / PTO 3736

A baghouse dust collector must be maintained in proper operating condition anytime that flour storage bins 2 & 3 are filled. **(EP76)**

Authority for Requirement: LCPH ATI 3828 / PTO 3737

Operating Limits

Maximum airflow rate shall not exceed 1490 scfm. **(EP76)**

Authority for Requirement: LCPH ATI 3827 / PTO 3736

Maximum airflow rate shall not exceed 1270 scfm. **(EP76)**

Authority for Requirement: LCPH ATI 3828 / PTO 3737

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 24.108(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 24.108(3)

Emission Point ID Number: 83

Table 53 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
83	83	Flour Sacking	Soybean Flour	20 tph	83	Fabric Filter

Applicable Requirements

Table 54 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
83	Opacity	20%	LCO Sec.10-60(a)	
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM/PM ₁₀	0.01 gr/scf; 0.89 lb/hr; 3.91 tpy		LCPH ATI 1912 / PTO 1862

Operational Limits & Requirements

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

Operating Limits

A. The maximum airflow rate shall be 10420 scfm.

Authority for Requirement: LCPH ATI 1912 / PTO 1862

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 24.108(14)

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes ¹ No

¹ See Appendix C, Facility O&M Plans, for the applicable requirements.

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: 86

Table 55 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
86	86	Screens / Hulls LoadOut	Soybean Hulls	50 tph	86	Fabric Filter

Applicable Requirements

Table 56 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
86	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 1912 / PTO 1862
		10%		
	PM/PM ₁₀	0.01 gr/scf; 2.0 lb/hr; 8.6 tpy		
	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.

Control Device

The fabric filter dust collector shall be maintained on this source in good operating condition at all times.

Authority for Requirement: LCPH ATI 3306 / PTO 3268

Operating Limits

A. The maximum airflow rate shall be 22,850 scfm.

B. The fabric filter dust collector must be operated whenever the hull and screenings loadout equipment is in operation.

Authority for Requirement: LCPH ATI 3306 / PTO 3268

Compliance Testing and Monitoring Requirements

The following information shall be monitored:

A. Daily pressure drop readings when operating

All monitors shall be easily accessible to air pollution personnel.

Authority for Requirement: LCPH ATI 3306 / PTO 3268

Recordkeeping Requirements

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. Daily pressure drop readings

B. Any changes in operation that could affect emissions, including changes in fan speed

C. Records of all maintenance and repair completed on the control device

Authority for Requirement: LCPH ATI 3306 / PTO 3268

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 24.108(14)

Stack Testing

See Appendix E, Stack Testing Summary.

Authority for Requirement: 567 IAC 24.108(14)

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes ¹ No

¹ See Appendix C, Facility O&M Plans, for the applicable requirements.

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: 90

Table 57 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
90	90	Hull Transfer Bin (C-7)	Soybean Hulls	50 tph	90	Bin Vent Filter

Applicable Requirements

Table 58 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
90	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 6001 / PTO 5668
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM/PM ₁₀	0.23 lb/hr; 1.01 tpy		

Operational Limits & Requirements

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

Control Device

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

Authority for Requirement: LCPH ATI 6001 / PTO 5668

Operating Limits

- A. The pressure drop across the baghouse shall be maintained in the range of 0.5 to 6 inches of water.
- B. The control equipment on this unit shall be maintained and operated according to the manufacturer's specifications and good operating practices.

Authority for Requirement: LCPH ATI 6001 / PTO 5668

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 while the emission unit is operating. 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. Record pressure drop during the material handling operation of this unit on a weekly basis.
- C. Record all maintenance and repair completed to the control device.

Authority for Requirement: LCPH ATI 6001 / PTO 5668

Table 59 - 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
90	115	V	10 x 20	Ambient	3,000 scfm	LCPH ATI 6001 / PTO 5668

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

Monitoring Requirements

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

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.
 Authority for Requirement: 567 IAC 24.108(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 24.108(3)

Emission Point ID Number: 91

Table 60 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
91	91	Line 1 Extrusion	Soybean Flour	3 tph	91 91A	Scrubber Cyclone

Applicable Requirements

Table 61 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
91	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7793 / PTO 7545
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM/PM ₁₀	0.26 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 daily basis. An exceedance of 'no visible emissions' will require the owner/operator to promptly investigate the emission unit, make corrections to the operations or equipment associated with this exceedance, and record the corrective action taken.
- B. The Venturi Scrubber (CE091) and the Cyclone (CE091A) shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all maintenance performed on the scrubber and cyclone associated with this emission point.
- C. The minimum water flow rate of the Venturi Scrubber (CE091) shall be greater than or equal to 2.5 gallons per minute (gpm). The owner or operator shall monitor and record the total water flow rate to CE091 on a daily basis.

Authority for Requirement: LCPH ATI 7792 / PTO 7543

Table 62 - 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
91	32	V	17.2	110	3,000 scfm	LCPH ATI 7793 / PTO 7545

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

Monitoring Requirements

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

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.

Authority for Requirement: 567 IAC 24.108(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 24.108(3)

Emission Point ID Number: 93

Table 63 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
93	93	Facility VOC (Extraction Process)	Soybeans / Hexane	50 tph	--	--

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.

Refer to Plant-Wide Emission Limits.

Operational Limits & Requirements

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

Refer to Plant-Wide Operational Limits & Requirements.

Monitoring Requirements

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

See Plant-Wide Monitoring Requirements.

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 24.108(3)

Emission Point ID Number: 97

Table 64 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
97	97	Prep Flake Storage Tank	Soybean Flakes	12.44 tph	97	Fabric Filter

Applicable Requirements

Table 65 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
97	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 4493 / PTO 4672-R1
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM/PM ₁₀	0.514 lb/hr		
	VOC	257.9 tpy ¹		

¹ This is a facility-wide limit requested by Cargill for solvent loss associated with the Solvent Extraction for Vegetable Oil Production Plant.

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 equipment at all times.

Authority for Requirement: LCPH ATI 4493 / PTO 4672-R1

Operating Limits

- A. The control equipment shall be operated and maintained in accordance with manufacturer's specifications and good operating practices.
- B. The differential pressure across the control equipment shall be maintained between 0.25" and 8.0" of water column.

Authority for Requirement: LCPH ATI 4493 / PTO 4672-R1

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the 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 owner or operator shall record the date and description of any maintenance completed on the control equipment, including bag replacement.
- C. The owner or operator shall monitor and record differential pressure across the control equipment on a weekly basis.

Authority for Requirement: LCPH ATI 4493 / PTO 4672-R1

Table 66 - 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
97	124	V	20	Ambient	10,000	LCPH ATI 4493 / PTO 4672-R1

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

Monitoring Requirements

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

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.
 Authority for Requirement: 567 IAC 24.108(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 24.108(3)

Emission Point ID Number: 98

Table 67 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
98	98	Flourmill Flake Storage Tanks A-D	Soybean Flakes	35 tph (receiving rate from crush) 20 tph (feed rate to CTS)	98	Bag Filter

Applicable Requirements

Table 68 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
98	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 6869 / PTO 6680-R1
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM/PM ₁₀	0.14 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 bag filters (CE098) shall be maintained according to the manufacturer's recommendations and good operating practices. The owner or operator shall record the date and description of maintenance completed on the bag filters.
- C. The normal differential pressure across the bag filters (CE098) shall be maintained between 0.2" and 10" of water column. The owner or operator shall monitor and record the differential pressure across the bag filters on a weekly basis.

Authority for Requirement: LCPH ATI 6869 / PTO 6680-R1

Table 69 - 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
98	70	V	13	Ambient	2,850 scfm	LCPH ATI 6869 / PTO 6680-R1

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

Monitoring Requirements

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

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.

Authority for Requirement: 567 IAC 24.108(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 24.108(3)

Emission Point ID Number: 99

Table 70 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
99	99	Stripper Cooling Dust Collector	Soybean Flakes	35 tph	99	Fabric Filter
	100	Vacuum Chamber Dust Collector	Soybeans	40,000 bu/day	100	Fabric Filter

Applicable Requirements

Table 71 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
99	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 4495 / PTO 4674
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM/PM ₁₀	0.005 gr/scf; 0.923 lb/hr; 4.04 tpy		
	VOC	257.9 tpy ¹		

¹ This is a facility-wide limit requested by Cargill for solvent loss associated with the Solvent Extraction for Vegetable Oil Production Plant.

Operational Limits & Requirements

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

Control Device

A baghouse dust collector shall be used to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in "Operating Condition Monitoring and 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 4495 / PTO 4674

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. Weekly pressure drop readings
- B. Records of all maintenance and repair completed on the control device

Authority for Requirement: LCPH ATI 4495 / PTO 4674

Table 72 - 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
99	120	V	40	Ambient	21,525 scfm	LCPH ATI 4495 / PTO 4674

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

Monitoring Requirements

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

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.

Authority for Requirement: 567 IAC 24.108(14)

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes ¹ No

¹ See Appendix C, Facility O&M Plans, for the applicable requirements.

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: 101

Table 73 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
101	101.1	Bean Storage Bin	Soybeans	500 tph	101	Bag Filter
	101.2	Bean Storage Bin		500 tph		

Applicable Requirements

Table 74 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
101	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 5003 / PTO 5110
		0%	567 IAC 23.1(2)"ooo" LCO Sec. 10-62(b)(67) 40 CFR 60.302(b)"1"	
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM	0.086 lb/hr	567 IAC 23.1(2)"ooo" LCO Sec. 10-62(b)(67) 40 CFR 60.302(b)"1"	
		0.01 gr/dscf		

Federal Standards

A. New Source Performance Standards (NSPS):

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

Table 75 - NSPS Standards

EU ID	Subpart	Title	Type	Local Reference (LCO Sec.)	Federal Reference (40 CFR)
101	A	General Conditions	--	10-62(b)	§60.1 – §60.19
	DD	Standards of Performance for Grain Elevators	Grain Storage Elevator	10-62(b)(67)	§60.300 – §60.304

Authority for Requirement: LCPH ATI 5003 / PTO 5110; 40 CFR Part 60 Subpart DD

Control Device

A baghouse shall be used to control particulate matter emissions. The control equipment shall be maintained properly and operated at all times the air pollution source is in operation. All appropriate probes, monitors and gauges needed to measure the parameters outlined in "Operating Condition Monitoring and 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 5003 / PTO 5110

Operating Limits

A. The minimum pressure differential across the baghouse shall be 0.5 inches of water.

Authority for Requirement: LCPH ATI 5003 / PTO 5110

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. Monitor and record the pressure differential across the baghouse on a weekly basis.
- B. Monitor and record "no visible emissions" from the baghouse on a weekly basis.

Authority for Requirement: LCPH ATI 5003 / PTO 5110

Table 76 - 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
101	80	V	12	Ambient	1,000 scfm	LCPH ATI 5003 / PTO 5110

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

Monitoring Requirements

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

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.
Authority for Requirement: 567 IAC 24.108(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 24.108(3)

Emission Point ID Number: 108

Table 77 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
108	108	Protein Products Loadout Receiver	Soybean Protein Products	10 tph	108	Fabric Filter

Applicable Requirements

Table 78 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
108	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 5342 / PTO 5239-R1
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM/PM ₁₀	1.09 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 (CE 108) associated with this emission unit (EU 108) shall be maintained according to manufacturer's specifications and good operating practices. The owner or operator shall maintain records of all maintenance completed on the control equipment.
- C. The differential pressure across the control equipment (CE 108) shall be maintained between 0.5 and 10 inches of water column. The owner or operator shall monitor and record the differential pressure across the control equipment on a weekly basis.

Authority for Requirement: LCPH ATI 5342 / PTO 5239-R1

Table 79 - 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
108	30	H	6	Ambient	2,550 scfm	LCPH ATI 5342 / PTO 5239-R1

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

Monitoring Requirements

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

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.

Authority for Requirement: 567 IAC 24.108(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 24.108(3)

Emission Point ID Number: 109

Table 80 - Emission Point Characteristics

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
109	109	Protein Products Loadout Filter	Soybean Protein Products	10 tph	109	Fabric Filter

Applicable Requirements

Table 81 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
109	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 5343 / PTO 5240-R1
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM/PM ₁₀	0.60 lb/hr		

Operational Limits & Requirements

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

Control Equipment

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

Authority for Requirement: LCPH ATI 5343 / PTO 5240-R1

Operating Limits

- A. The control equipment shall be operated and maintained in accordance with the manufacturer's specifications and good operating practices.
- B. The differential pressure across the cartridge filters shall be maintained between 0.5" and 10" of water column.

Authority for Requirement: LCPH ATI 5343 / PTO 5240-R1

Operating Condition Monitoring and Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the 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 owner or operator shall monitor and record the differential pressure across the control device on a weekly basis.
- C. The owner or operator shall record the date and description of any maintenance completed on the control device, including filter replacement.

Authority for Requirement: LCPH ATI 5343 / PTO 5240-R1

Table 82 - 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
109	30	H	6	Ambient	1,400	LCPH ATI 5343 / PTO 5240-R1

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

Monitoring Requirements

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

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.

Authority for Requirement: 567 IAC 24.108(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 24.108(3)

Emission Point ID Number: 110

Table 83 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
110	110	Prep Flake Storage Tank	Soybean Flakes	50 tph	110	Fabric Filter

Applicable Requirements

Table 84 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
110	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 5686 / PTO 5379-R1
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM/PM ₁₀	0.514 lb/hr		

Operational Limits & Requirements

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

Operating Requirements with Associated Monitoring and Recordkeeping

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

- A. The 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 this exceedance, and record the corrective action taken.
- B. The baghouse (CE110) shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all maintenance performed on the baghouse associated with this emission point.
- C. The normal differential pressure across the control equipment (CE110) shall be maintained between 0.2 and 10.0 inches of water column. The owner or operator shall monitor and record the differential pressure across the control equipment on a weekly basis.

Authority for Requirement: LCPH ATI 5686 / PTO 5379-R1

Table 85 - 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
110	124	V	10	Ambient	10,000	LCPH ATI 5686 / PTO 5379-R1

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

Monitoring Requirements

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

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.

Authority for Requirement: 567 IAC 24.108(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 24.108(3)

Emission Point ID Number: 111

Table 86 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
111	111	Cooling Tower	Water	180,000 gph	111	Drift Eliminator

Applicable Requirements

Table 87 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
111	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 6071 / PTO 6229
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(1)	
	PM/PM ₁₀	0.375 lb/hr		

Operational Limits & Requirements

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

Control Device

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

Authority for Requirement: LCPH ATI 6071 / PTO 6229

Operating Limits

- A. Chromium based water treatment chemicals shall not be used in this emission unit.
- B. The Total Dissolved Solids (TDS) concentration in the cooling water shall not exceed 5000 parts per million by weight (5000 mg/L) for any single sampling event.

Authority for Requirement: LCPH ATI 6071 / PTO 6229

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. Maintain a material safety data sheet of all water treatment chemicals used.
- B. Maintain records of the manufacturer's design guarantee.
- C. Record the TDS of the cooling tower water at least once each calendar month while the cooling tower is operating.

Authority for Requirement: LCPH ATI 6071 / PTO 6229

Table 88 - 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
111	25	V	132	Ambient	268,500 scfm	LCPH ATI 6071 / PTO 6229

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: 119

Table 89 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
119	119.1	3 rd Line Dryer Separator	Soybean Flour	4 tph	119.1	Cyclone
	119.3	Extrusion Flour Transfer		4 tph	119.3	Bag Filter
	119.4	Feed Scale Bin Vent Filter		4 tph	119.4	Bag Filter
	63	Line 2 Vegetable Protein Dryer / Cooler		4 tph	63	Cyclone
	64	Line 1 Vegetable Protein Dryer / Cooler		4 tph	64	Cyclone

Applicable Requirements

Table 90 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
119	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 6790-R1 / PTO 6736
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	

Table 91 - Emission Unit-Specific Emission Limits

EU	Pollutant	Emission Limit(s)	Authority for Requirement
119.1	PM/PM ₁₀	0.88 lb/hr	LCPH ATI 6790-R1 / PTO 6736
119.3			
119.4			
63			
64			

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 daily 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 cyclones (CE119.1, CE063, and CE064) and bag filters (CE119.3 and CE119.4) shall be maintained according to the manufacturer's recommendations. The owner or operator shall record the date and description of maintenance completed on the control equipment associated with this emission point.
- C. The differential pressure across the bag filters (CE119.3 and CE119.4) shall be maintained between 0.2" and 10" of water column. The owner or operator shall monitor and record the differential pressure across these control devices on a weekly basis.

Authority for Requirement: LCPH ATI 6790-R1 / PTO 6736

Table 92 - 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
119	95	V	48	128	41,110 scfm	LCPH ATI 6790-R1 / PTO 6736

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

Monitoring Requirements

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

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.
 Authority for Requirement: 567 IAC 24.108(14)

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes ¹ No

¹ See Appendix C, Facility O&M Plans, for the applicable requirements. **(EUs 63 and 64 only)**

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: 120, 121, 122, 123

Table 93 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
120	120	Extruded Loadout Bin 1	Soybean Flour	20 tph	120	Bag Filter
121	121	Extruded Loadout Bin 2	Soybean Flour	20 tph	121	Bag Filter
122	122	Extruded Loadout Bin 3	Soybean Flour	20 tph	122	Bag Filter
123	123	Flake Tank Receiver	Soybean Flakes	35 tph (receive from Crush) 20 tph (feed rate to CTS)	123	Bag Filter

Applicable Requirements

Table 94 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
120 121 122 123	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 6791 / PTO 6676 LCPH ATI 6792 / PTO 6677
120 121 122 123	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	LCPH ATI 6793 / PTO 6678 LCPH ATI 6878 / PTO 6681
120 121 122 123	PM/PM ₁₀	0.01 lb/hr 0.01 lb/hr 0.01 lb/hr 0.33 lb/hr		LCPH ATI 6791 / PTO 6676 LCPH ATI 6792 / PTO 6677 LCPH ATI 6793 / PTO 6678 LCPH ATI 6878 / PTO 6681

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 bag filters shall be maintained according to the manufacturer's recommendations and good operating practices. The owner or operator shall record the date and description of maintenance completed on the bag filters.
- C. The normal differential pressure across the bag filters shall be maintained between 0.2" and 10" of water column. The owner or operator shall monitor and record the differential pressure across the bag filters on a weekly basis.

Authority for Requirement: LCPH ATI 6791 / PTO 6676; LCPH ATI 6792 / PTO 6677
LCPH ATI 6793 / PTO 6678; LCPH ATI 6878 / PTO 6681

Table 95 - 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
120	85	H	8	Ambient	500	LCPH ATI 6791 / PTO 6676
121	85	H	8	Ambient	500	LCPH ATI 6792 / PTO 6677
122	85	H	8	Ambient	500	LCPH ATI 6793 / PTO 6678
123	70	V	10	Ambient	4,900 scfm	LCPH ATI 6878 / PTO 6681

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

Monitoring Requirements

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

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.

Authority for Requirement: 567 IAC 24.108(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 24.108(3)

Emission Point ID Number: 124, 125

Table 96 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
124	65.2	Plains Receiver (Extrusion Tank 5)	Soybean Flour	15 tph	124	Baghouse
125	65.3	Browns Receiver (Extrusion Tank 6)	Soybean Flour	15 tph	125	Baghouse

Applicable Requirements

Table 97 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
124	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 6855 / PTO 6740 LCPH ATI 6856 / PTO 6741
125	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
124	PM/PM ₁₀	0.08 lb/hr		LCPH ATI 6855 / PTO 6740
125		0.08 lb/hr		LCPH ATI 6856 / PTO 6741

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 baghouse shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all maintenance completed on the baghouse.
- C. The normal differential pressure measured across the baghouse shall be maintained between 0.25 and 10 inches of water column. The owner or operator shall monitor and record the differential pressure across the baghouse on a weekly basis.

Authority for Requirement: LCPH ATI 6855 / PTO 6740; LCPH ATI 6856 / PTO 6741

Table 98 - 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
124	64	V	12	70	3,000 scfm	LCPH ATI 6855 / PTO 6740
125	64	V	12	70	3,000 scfm	LCPH ATI 6856 / PTO 6741

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

Monitoring Requirements

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

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.

Authority for Requirement: 567 IAC 24.108(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 24.108(3)

Emission Point ID Number: 126

Table 99 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
126	126	Line 3 Extrusion	Soybean Flour	4 tph	126A	Cyclone

Applicable Requirements

Table 100 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
126	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7688 / PTO 7520
	PM	0.1 gr/dscf; 0.007 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.

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 and 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 this exceedance, and record the corrective action taken.
- B. The cyclone (CE026A) shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all maintenance performed on the baghouse associated with this emission point.

Authority for Requirement: LCPH ATI 7688 / PTO7520

Table 101 - 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
126	60	V	14	110	4,300 scfm	LCPH ATI 7688 / PTO 7520

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

Monitoring Requirements

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

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.

Authority for Requirement: 567 IAC 24.108(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 24.108(3)

Emission Point ID Number: 127

Table 102 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
127	127	Packaging Vacuum System	Soybean Meal	1,100 ft ³ /min	127	Baghouse

Applicable Requirements

Table 103 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
127	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7795 / PTO 7535
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM / PM ₁₀	0.09 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 baghouse (CE127) associated with this emission unit shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all maintenance completed on the control equipment.

Authority for Requirement: LCPH ATI 7795 / PTO7535

Table 104 - 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
127		Indoor		70	1,100 scfm	LCPH ATI 7795 / PTO 7535

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

Monitoring Requirements

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

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.

Authority for Requirement: 567 IAC 24.108(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 24.108(3)

Emission Point ID Number: 128, 129

Table 105 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
128	128	Bean Tank #9	Soybeans	360 tons/hr 500,000 bu capacity	128	Baghouse
129	129	Bean Tank #10	Soybeans	360 tons/hr 500,000 bu capacity	129	Baghouse

Applicable Requirements

Table 106 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
128	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7611 / PTO 7300 LCPH ATI 7611 / PTO 7300
129	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
128	PM/PM ₁₀	0.27 lb/hr		LCPH ATI 7611 / PTO 7300
129	PM/PM ₁₀	0.27 lb/hr		LCPH ATI 7612 / PTO 7301

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 facility in this permit:

Table 107 - NESHAP Standards

EU ID	Subpart	Title	Type	Local Reference (LCO Sec.)	Federal Reference (40 CFR)
Facility	A	General Conditions	--	10-62(b)	§60.1 – §60.19
	DD	Standards of Performance for Grain Elevators	--	10-62(b)(67)	§60.300 - §60.304

Authority for Requirement: LCO Sec. 10-62(b)(67); 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 this exceedance, and record the corrective action taken.
- B. The control equipment associated with this emission unit (CE128, 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 all maintenance performed on the control equipment.

Authority for Requirement: LCPH ATI 7688 / PTO7520; LCPH ATI 7612 / PTO 7301

Table 108 - 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
128	120	V	15	70	3,120	LCPH ATI 7611 / PTO 757300
129	120	V	15	70	3,120	LCPH ATI 7612 / PTO 7301

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

Monitoring Requirements

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

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.

Authority for Requirement: 567 IAC 24.108(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 24.108(3)

Emission Point ID Number: 130

Table 109 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
130	9.2A	Pod Grinder	Soybeans	50 tph	130	Baghouse

Applicable Requirements

Table 110 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
130	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7711 / PTO 7516
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM / PM ₁₀	0.1 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 this exceedance, and record the corrective action taken.
- B. The baghouse (CE130) shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all maintenance performed on the baghouse associated with this emission point.

Authority for Requirement: LCPH ATI 7795 / PTO7535

Table 111 - 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	20	V	10	Ambient	2,300 scfm	LCPH ATI 7711 / PTO 7516

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

Monitoring Requirements

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

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.

Authority for Requirement: 567 IAC 24.108(14)

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes ¹ No

¹ See Appendix C, Facility O&M Plans, for the applicable requirements.

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: 131

Table 112 - Associated Equipment

EP	EU	EU Description	Raw Material	Rated Capacity	CE ID	CE Description
131	9.1A	Truck Dump Pit	Soybeans	50 tph	131	Baghouse

Applicable Requirements

Table 113 - Emission Limits

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

EP	Pollutant	Emission Limit(s)	Authority for Requirement	Authority for Requirement
131	Opacity	20%	LCO Sec.10-60(a)	LCPH ATI 7770 / PTO 7512
	PM	0.1 gr/dscf	567 IAC 23.4(7) LCO Sec. 10-62(a)(7)	
	PM / PM ₁₀	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 this exceedance, and record the corrective action taken.
- B. The baghouse (CE130) shall be maintained according to the manufacturer's specifications and good operating practices. The owner or operator shall record the date and description of all maintenance performed on the baghouse associated with this emission point.

Authority for Requirement: LCPH ATI 7795 / PTO7535

Table 114 - 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
131	27	V	26	Ambient	11,000 scfm	LCPH ATI 7770 / PTO 7512

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

Monitoring Requirements

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

Opacity Monitoring

See Appendix D, Opacity Monitoring Summary.

Authority for Requirement: 567 IAC 24.108(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 24.108(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 (IAC) and the Linn County Code of Ordinances (LCO) Chapter 10 – Environment, Article III, Sec. 10-57. When 567 IAC was amended May 15, 2024, and cited in this permit becomes State Implementation Plan (SIP) approved, it will supersede 567 IAC as amended February 8, 2023. Prior to May 15, 2024, all Title V rule citations in this Title V permit were found and cited in 567 IAC Chapter 22. During the period from May 15, 2024, to the date that 567 IAC as amended May 15, 2024, is approved into the SIP, both 567 IAC as amended May 15, 2024, and 567 IAC as amended February 8, 2023 form the legal basis for the applicable requirements included in this permit. A crosswalk showing the citation changes is attached to this permit in Appendix F.

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 24.108(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 24.105(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 24.108(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 24.108(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 24.108(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 24.108(15)"c"*

G2. Permit Expiration

1. Except as provided in rule 567—24.104(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—24.105(455B). *567 IAC 24.116(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. 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 24.105(2). *567 IAC 24.105*

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 24.107(4)*

G4. Annual Compliance Certification

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

compliance certification shall be submitted to the administrator, director, and the appropriate DNR Field office. *567 IAC 24.108(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 24.107(4)*. The semi-annual monitoring report shall be submitted to the director and the appropriate DNR Field office. *567 IAC 24.108 (5)*

G6. Annual Fee

1. The permittee is required under subrule *567 IAC 24.106* to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
3. The emissions inventory shall be submitted annually by March 31 with forms specified by the department documenting actual emissions for the previous calendar year.
4. The fee shall be submitted annually by July 1 with forms specified by the department.
5. If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.
6. Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.
7. The fee for a portable emissions unit or stationary source which operates both in Iowa and out of state shall be calculated only for emissions from the source while operating in Iowa.
8. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in *567 IAC 24.115(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 24.108 (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 24.108 (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 21.8(1)* and LCO Sec. 10-67(b)

G10. Recordkeeping Requirements for Compliance Monitoring

1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records, where applicable:
 - a. The date, place and time of sampling or measurements
 - b. The date the analyses were performed.
 - c. The company or entity that performed the analyses.
 - d. The analytical techniques or methods used.
 - e. The results of such analyses; and
 - f. The operating conditions as existing at the time of sampling or measurement.
 - g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts.)
2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.
3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:
 - a. Comply with all terms and conditions of this permit specific to each alternative scenario.
 - b. Maintain a log at the permitted facility of the scenario under which it is operating.
 - c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 24.108(4)*, *567 IAC 24.108(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 24;
 - b. Compliance test methods specified in 567 Chapter 21; 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 24.108(6)*

G13. Hazardous Release

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

G14. Excess Emissions and Excess Emissions Reporting Requirements

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

2. Excess Emissions Reporting

- a. Initial Reporting of Excess Emissions. An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 21.10(6). An initial report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 21.10(1)) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable emission standard by more than 10 percent or the applicable visible emission standard by more than 10 percent opacity. The initial report may be made by electronic mail (E-mail), in person, or by telephone and shall include as a minimum the following:
 - i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.
 - ii. The estimated quantity of the excess emission.
 - iii. The time and expected duration of the excess emission.
 - iv. The cause of the excess emission.
 - v. The steps being taken to remedy the excess emission.
 - vi. The steps being taken to limit the excess emission in the interim period.
- b. Written Reporting of Excess Emissions. A written report of an incident of excess emission shall be submitted as a follow-up to all required initial reports to the department within seven days of the onset of the upset condition, and shall include as a minimum the following:
 - i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.
 - ii. The estimated quantity of the excess emission.
 - iii. The time and duration of the excess emission.
 - iv. The cause of the excess emission.
 - v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.
 - vi. The steps that were taken to limit the excess emission.
 - vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. *567 IAC 21.7(1)-567 IAC 21.7(4) and LCO Sec. 10-67*

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 24.108(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 Branch, 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 24.
- 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—24.140(455B) through 567 - 24.144(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 24.110(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 24.110(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 24.110(1). *567 IAC 24.110(3)*

4. The permit shield provided in subrule 24.108(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 24.110(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 24.108(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 - 24.113(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 24.107(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 24.107(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 24.112(4) "a" to "c", the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time, the permittee need not comply with the existing permit terms and conditions it seeks to modify. However, if the permittee fails to comply with its proposed permit terms and conditions during this time period, the existing permit terms and conditions it seeks to modify may be enforced against the facility.

3. Significant Title V Permit Modification.

Significant Title V modification procedures shall be used for applications requesting Title V permit modifications that do not qualify as minor Title V modifications or as administrative amendments. These include but are not limited to all significant changes in monitoring permit terms, every relaxation of reporting or recordkeeping permit terms, and any change in the method of measuring compliance with existing requirements. Significant Title V modifications shall meet all requirements of 567 IAC Chapter 24, including those for applications, public participation, review by affected states, and review by the administrator, as those requirements that apply to Title V issuance and renewal.

The permittee shall submit an application for a significant permit modification not later than three months after commencing operation of the changed source unless the existing Title V permit would prohibit such construction or change in operation, in which event the operation of the changed source may not commence until the department revises the permit. 567 IAC 24.111-567 IAC 24.113

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

G22. Acid Rain (Title IV) Emissions Allowances

The permittee shall not exceed any allowances that it holds under Title IV of the Act or the regulations promulgated there under. Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners and operators of the unit or the designated representative of the owners and operators is prohibited. Exceedences of applicable emission rates are prohibited. "Held" in this context refers to both those allowances assigned to the owners and operators by USEPA, and those allowances supplementally acquired by the owners and operators. The use of any allowance prior to the year for which it was allocated is prohibited. Contravention of any other provision of the permit is prohibited. *567 IAC 24.108(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 24.108(9)"c"*
2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.
 - a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;
 - b. Reopening and revision on this ground is not required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to May 15, 2001.
 - c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 24.108(17)"a", 567 IAC 24.108(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 24.114(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 24.114(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 24.114(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 24.108 (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 24.108 (8)*

G27. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege. *567 IAC 24.108 (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 24.111(1)*. *567 IAC 24.111 (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 24.3(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 (42 days) of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which the source shall be operated. In cases where compliance is to be demonstrated at less than the maximum continuous output as rated by the equipment manufacturer, and it is the owner's intent to limit the capacity to that rating, the owner may submit evidence to the department that the source has been physically altered so that capacity cannot be exceeded, or the department may require additional testing, continuous monitoring, reports of operating levels, or any other information deemed necessary by the department to determine whether such source is in compliance.

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

Linn County Public Health
Air Quality Branch
1020 6th St. SE
Cedar Rapids, IA 52401
(319) 892-6000

567 IAC 21.10(7)"a", *567 IAC 21.10(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
11201 Renner Blvd.
Lenexa, KS 66219
(913) 551-7020

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

Chief, Air Quality Bureau
Iowa Department of Natural Resources
6200 Park Ave
Suite 200
Des Moines, IA 50321
(515) 313-8325

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

Linn County Public Health
Air Quality Branch
1020 6th Street SE
Cedar Rapids, IA 52401

V. APPENDIX A – Applicable Federal Standards

40 CFR 60 Subpart A – *General Provisions*

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

40 CFR part 60 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/new-source-performance-standards-region-7>

40 CFR 63 Subpart A – *General Provisions*

40 CFR 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/maximum-achievable-control-technology-standards-region-7>

V. APPENDIX B – CAM Plans Summary

There are no emission units subject to a CAM plan in this renewal permit.

V. APPENDIX C – Facility O&M Plans Summary

Table 115 - Facility O&M Plans Summary

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

EP	EU ID	EU Description
5	5.1 – 5.3	Prep Aspiration
6	6.1, 6.2	Dehulling
9	9.1, 9.2	Elevator
42	42.1-42.3	Flour Tanks 1 & 2, Sack Tank
54	54.1 – 54.3	7,8, & 9 Bulk Bag & Blend Tanks
55	55.1, 55.2	Extrusion Sacking
65	65.1	Extrusion Reject Tank
83	83	Flour Sacking
86	86	Screens/Hulls Loadout
99	99, 100	FDS White Flake Cooler II
119	63	Line 1 Dryer / Cooler
	64	Line 2 Dryer / Cooler
130	9.2A	Pod Grinder ¹

¹ A Facility operation and maintenance plan is to be developed by the facility within six (6) months of the issuance of this permit for EU 9.2A Pod Grinder.

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 24.108(3)

V. APPENDIX D – Opacity Monitoring Summary

Opacity Monitoring

The facility shall check the opacity weekly during a period when the emission unit(s) associated with the emission point listed in Opacity Monitoring Tables 1, 2 or 3 is operating at or near full capacity and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required.

If an opacity >20 % is observed 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.

Emission Point																	
1	7	8	19	25	37	40	42	45	55	56	66	74	75	76	83	90	97
98	99	108	109	110	119	120	121	122	123	124	125	126	127	128	129	130	131

If an opacity >10 % 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.

Emission Point							
5	6	9	14	54	65	86	

If an opacity >0 % is observed from an emission point listed in Opacity Monitoring Table 3, 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 3.

Emission Point
101

Authority for Requirement: 567 IAC 24.108(14)

V. APPENDIX E – Stack Testing Summary

EP	EU Description	Pollutant	Compliance Methodology	Completion Deadline	Test Method
001	Boiler	PM-State	Stack Test	See Footnote 1	40 CFR 60, Appendix A, Method 5 40 CFR 51, Appendix M, Method 202
		Opacity	Stack Test	See Footnote 1 See Footnote 2	40 CFR 60, Appendix A, Method 9
		NO _x	Stack Test	See Footnote 1	40 CFR 60, Appendix A, Method 7E
		CO	Stack Test	See Footnote 1	40 CFR 60, Appendix A, Method 10
5	Soybean Cracking	PM	Stack Test	w/in 3 years of issuance	40 CFR 60, Appendix A, Method 5 40 CFR 51, Appendix M, Method 202
54	7,8,9 Bulk Bag & Blend Tanks	PM	Stack Test	w/in 3 years of issuance	40 CFR 60, Appendix A, Method 5 40 CFR 51, Appendix M, Method 202
55	Extrusion Sacking	PM	Stack Test	w/in 3 years of issuance	40 CFR 60, Appendix A, Method 5 40 CFR 51, Appendix M, Method 202
65	Extrusion Reject Tank	PM	Stack Test	w/in 3 years of issuance	40 CFR 60, Appendix A, Method 5 40 CFR 51, Appendix M, Method 202
86	Screenings / Hulls Loadout	PM	Stack Test	w/in 3 years of issuance	40 CFR 60, Appendix A, Method 5 40 CFR 51, Appendix M, Method 202

¹ The owner or operator shall complete the required stack test within sixty (60) days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date while combusting vegetable oil only.

² Required per 40 CFR 60 NSPS Subpart Dc while combusting fuel oil only.

The owner of this equipment or the owner's authorized agent shall provide written notice to the Director, not less than 30 days before a required stack test or performance evaluation of a continuous emission monitor. Results of the test shall be submitted in writing to the Director in the form of a comprehensive report within 6 weeks of the completion of the testing. 567 IAC 25.1(7)

Authority for Requirement: 567 IAC 24.108(3) (All)

Authority for Requirement: PTO 4607-R1 (EP001); 567 IAC 23.1(2)"III"; LCO Sec. 10-62(b)(64)

V. APPENDIX F – 567 IAC Crosswalk

Table 116 - Crosswalk Chapters List

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
20	20 (Reserved)	Scope of Title – Definitions	N/A	Definitions moved to Ch. 21, 22, & 23 Rescinded Ch. 20 (Reserved)
21	21	Compliance	Compliance, Excess Emissions, and Measurement of Emissions	Kept and Combined with rules from Ch. 24, 25, 26, & 29.
22	22	Controlling Pollution-Permits	Controlling Air Pollution – Construction Permitting	Kept construction permit rules and combined with Ch. 20 (definitions) and Ch. 28 (NAAQS) Moved operating permit rules to Ch. 24
22.100 – 22.300(12)	(New) 24	N/A	Operating Permits	Moved operating permit rules from Ch. 22 to Ch. 24
23	23	Emission Standards	Air Emission Standards	Kept
24	(New) 21	Excess Emissions	Compliance, Excess Emissions, and Measurement of Emissions	Moved rules and combined with Ch. 21 Moved TV rules here (to Ch. 24)
25	(New) 21	Emissions Measurement	Compliance, Excess Emissions, and Measurement of Emissions	Moved rules and combined with Ch. 21 Rescinded Ch. 25 (Reserved)
26	(New) 21	Emergency Air Pollution Episodes	Compliance, Excess Emissions, and Measurement of Emissions	Moved rules and combined with Ch. 21 Rescinded Ch. 26 (Reserved)
27	27	Local Program Acceptance	Local Program Acceptance	Kept
28	22	NAAQS	N/A	Moved rules and combined with Ch. 22 Rescinded Ch. 28 (Reserved)
29	(New) 21	Opacity Qualifications	Compliance, Excess Emissions, and Measurement of Emissions	Moved rules and combined with Ch. 21 Rescinded Ch. 29 (Reserved)
30	30	Fees	Fees	Kept
31	31	Nonattainment Areas	Nonattainment New Source Review	Kept

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
32	N/A	AFO Field Study	N/A	Rescinded Ch. 32 (Reserved)
33	33	Special regulations and construction permit requirements for major stationary sources—Prevention of Significant Deterioration (PSD) of air quality	Construction permit requirements for major stationary sources—Prevention of Significant Deterioration (PSD)	Kept
34	N/A	Emission Trading-CAIR-CAMR	N/A	Rescinded Ch. 34 (Reserved)
35	N/A	Grant Assistance Programs	N/A	Rescinded Ch 35 (Reserved)

Table 117 - Crosswalk Rules List

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
Chapter 20				
20	20 (Reserved)	Scope of Title - Definitions	N/A	Definitions moved to Ch. 21, 22 and 23 Rescinded Ch. 20. (Reserved)
20.1	N/A	Scope of title	N/A	
20.2	Ch. 21, 22, 23	Definitions	Definitions	See beginning of Ch. 21, 22, and 23
20.3	N/A	Air quality forms generally	N/A	
Chapter 21				
21	21	Compliance	Compliance, Excess Emissions, and Measurement of Emissions	Kept and combined with rules from Chapters 24, 25, 26, and 29.
21.1	21.1	Compliance Schedule	Definitions and compliance requirements	Added definitions from Ch. 21, some language updated
21.2	21.2	Variances	Variances	Some language updated
21.3	21.3	Emission reduction program	Reserved	Reserved
21.4	21.4	Circumvention of rules	Circumvention of rules	Minor language updated
21.5	21.5	Evidence used in establishing that a violation has or is occurring	Evidence used in establishing that a violation has occurred or is occurring	21.5(2) Reserved, some language updated

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
Chapter 20				
21.6	21.6	Temporary electricity generation for disaster situations	Temporary electricity generation for disaster situations	Minor language updated
24.1	21.7	Excess emission reporting	Excess emission reporting	Moved from Ch. 24, some language updated
24.2	21.8	Maintenance and repair requirements	Maintenance and repair requirements	Moved from Ch. 24, some language updated
N/A	21.9	N/A	Compliance with other requirements	New language
25.1	21.10	Testing and sampling of new and existing equipment	Testing and sampling of new and existing equipment	Moved from Ch. 25, some language updated
25.2	21.11	Continuous emission monitoring under the acid rain program	Continuous emission monitoring under the acid rain program	Moved from Ch. 25, some language updated
25.3	N/A	Mercury emissions testing and monitoring	N/A	Rescinded. Except 25.3(5)
25.3(5)	21.12	Affected sources subject to Section 112(g)	Affected sources subject to Section 112(g)	Moved from Ch. 25, some language updated
29.1	21.13	Methodology and qualified observer	Methodology and qualified observer	Moved from Ch. 29, some language updated
26.1	21.14	Prevention of air pollution emergency episodes - General	Prevention of air pollution emergency episodes	Moved from Ch. 26, some language updated
26.2	21.15	Episode criteria	Episode criteria	Moved from Ch. 26, some language updated
26.3	21.16	Preplanned abatement strategies	Preplanned abatement strategies	Moved from Ch. 26, some language updated
26.4	21.17	Actions taken during episodes	Actions taken during episodes	Moved from Ch. 26, some language updated
Ch 26 Table III	Table I	Abatement strategies emission reduction actions alert level	Abatement strategies emission reduction actions alert level	Moved from Ch. 26, reference federal appendix table

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
Chapter 20				
Ch 26 Table IV	Table II	Abatement strategies emission reduction actions warning level	Abatement strategies emission reduction actions warning level	Moved from Ch. 26, reference federal appendix table
Chapter 22				
22	22	Controlling Pollution-Permits	Controlling Air Pollution - Construction Permitting	Kept construction permit rules and combined with Ch. 20 (definitions) and Ch. 28 (NAAQS). Moved operating permit rules to Chapter 24.
22.1	22.1	Permits required for new or existing stationary sources	Definitions and permit requirements for new or existing stationary sources	Added definitions from Ch. 20, some language updated
22.2	22.2	Processing permit applications	Processing permit applications	
22.3	22.3	Issuing permits	Issuing permits	
22.4	22.4	Special requirements for major stationary sources located in areas designated attainment or unclassified (PSD)	Major stationary sources located in areas designated attainment or unclassified (PSD)	
22.5	22.5	Special requirements for nonattainment areas	Major stationary sources located in areas designated Nonattainment	
22.7	22.7	Alternative emission control program	Alternative emission control program	
22.8	22.8	Permit by rule	Permit by rule	
22.9	22.9	Special requirements for visibility protection	Special requirements for visibility protection	A lot of language updated or removed

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
Chapter 20				
22.10	22.10	Permitting requirements for country grain elevators, country grain terminal elevators, grain terminal elevators and feed mill equipment	Permitting requirements for country grain elevators, country grain terminal elevators, grain terminal elevators and feed mill equipment	
28.1	22.11	Ambient air quality standards - Statewide standards	Ambient air quality standards	Moved from Ch. 28, minor language updated
22.12 to 22.99	N/A	Reserved	N/A	Removed
22.100 - 22.300(12)	(New) 24	N/A	Operating Permits	Moved operating permit rules from Ch. 22 to Ch. 24.
22.100	24.100	Definitions for Title V operating permits	Definitions for Title V operating permits	Moved from Ch. 22, some language updated, many 40 CFR 70 definitions adopted by reference
22.101	24.101	Applicability of Title V operating permit requirements	Applicability of Title V operating permit requirements	Moved from Ch. 22, some language updated to correct punctuation and remove old dates
22.102	24.102	Source category exemptions	Source category exemptions	Moved from Ch. 22, some language updated to correct punctuation
22.103	24.103	Insignificant activities	Insignificant activities	Moved from Ch. 22, some language updated to correct typos and remove old dates
22.104	24.104	Requirement to have a Title V permit	Requirement to have a Title V permit	Moved from Ch. 22, some language updated no changes to rule text
22.105	24.105	Title V permit applications	Title V permit applications	Moved from Ch. 22, updated language to address electronic submissions and remove past application due dates
22.106	24.106	Annual Title V emissions inventory	Annual Title V emissions inventory	Moved from Ch. 22, no changes to rule text

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
Chapter 20				
22.107	24.107	Title V permit processing procedures	Title V permit processing procedures	Moved from Ch. 22, some language updated to update locations of public records and remove old CFR amendment dates
22.108	24.108	Permit content	Permit content	Moved from Ch. 22, some language updated to correct punctuation, remove old dates, and adopt 40 CFR 70 rules by reference
22.109	24.109	General permits	General permits	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.110	24.110	Changes allowed without a Title V permit revision (off-permit revisions)	Changes allowed without a Title V permit revision (off-permit revisions)	Moved from Ch. 22, some language updated to remove redundant language
22.111	24.111	Administrative amendments to Title V permits	Administrative amendments to Title V permits	Moved from Ch. 22, no changes to rule text
22.112	24.112	Minor Title V permit modifications	Minor Title V permit modifications	Moved from Ch. 22, no changes to rule text
22.113	24.113	Significant Title V permit modifications	Significant Title V permit modifications	Moved from Ch. 22, no changes to rule text
22.114	24.114	Title V permit reopenings	Title V permit re-openings	Moved from Ch. 22 to Ch. 24, some language updated to adopt 40 CFR 70 rules by reference
22.115	24.115	Suspension, termination, and revocation of Title V permits	Suspension, termination, and revocation of Title V permits	Moved from Ch. 22, no changes to rule text
22.116	24.116	Title V permit renewals	Title V permit renewals	Moved from Ch. 22, no changes to rule text
22.117-22.119	24.117-24.119	Reserved	Reserved	Moved from Ch. 22, no changes to rule text
22.120	24.120	Acid rain program—definitions	Acid rain program—definitions	Moved from Ch. 22, some language updated to remove old CFR amendment dates and address electronic submissions

Previous Chapter # (Prior to 5/15/2024)	Current Chapter #	Previous Title & Description (Prior to 5/15/2024)	Current Title & Description	Action Taken
Chapter 20				
22.121	24.121	Measurements, abbreviations, and acronyms	Reserved	Moved from Ch. 22, no changes to rule text
22.122	24.122	Applicability	Applicability	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.123	24.123	Acid rain exemptions	Acid rain exemptions	Moved from Ch. 22, some language updated to correct punctuation
22.124	24.124	Retired units exemption	Reserved	Moved from Ch. 22, no changes to rule text
22.125	24.125	Standard requirements	Standard requirements	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.126	24.126	Designated representative—submissions	Designated representative—submissions	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.127	24.127	Designated representative—objections	Designated representative—objections	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.128	24.128	Acid rain applications—requirement to apply	Acid rain applications—requirement to apply	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.130	24.130	Acid rain permit application shield and binding effect of permit application	Acid rain permit application shield and binding effect of permit application	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.131	24.131	Acid rain compliance plan and compliance options—general	Acid rain compliance plan and compliance options—general	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.132	24.132	Repowering extensions	Reserved	Moved from Ch. 22, no changes to rule text
22.133	24.133	Acid rain permit contents—general	Acid rain permit contents—general	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.134	24.134	Acid rain permit shield	Acid rain permit shield	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.135	24.135	Acid rain permit issuance procedures—general	Acid rain permit issuance procedures—general	Moved from Ch. 22, no changes to rule text
22.136	24.136	Acid rain permit issuance procedures—completeness	Acid rain permit issuance procedures—completeness	Moved from Ch. 22, no changes to rule text

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Chapter 20				
22.137	24.137	Acid rain permit issuance procedures—statement of basis	Acid rain permit issuance procedures—statement of basis	Moved from Ch. 22, no changes to rule text
22.138	24.138	Issuance of acid rain permits	Issuance of acid rain permits	Moved from Ch. 22, some language updated to remove old dates and deadlines
22.139	24.139	Acid rain permit appeal procedures	Acid rain permit appeal procedures	Moved from Ch. 22, no changes to rule text
22.140	24.140	Permit revisions—general	Permit revisions—general	Moved from Ch. 22, some language updated to remove old dates
22.141	24.141	Permit modifications	Permit modifications	Moved from Ch. 22, no changes to rule text
22.142	24.142	Fast-track modifications	Fast-track modifications	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.143	24.143	Administrative permit amendment	Administrative permit amendment	Moved from Ch. 22, some language updated to remove fax option
22.144	24.144	Automatic permit amendment	Automatic permit amendment	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.145	24.145	Permit reopenings	Permit re-openings	Moved from Ch. 22, language updated to adopt 40 CFR 70 rules by reference
22.146	24.146	Compliance certification—annual report	Compliance certification—annual report	Moved from Ch. 22, no changes to rule text
22.147	24.147	Compliance certification—units with repowering extension plans	Reserved	Moved from Ch. 22, no changes to rule text
22.148	24.148	Sulfur dioxide opt-ins	Sulfur dioxide opt-ins	Moved from Ch. 22, some language updated to update the 40 CFR Part 74 amendment date
22.149 - 22.199	24.149 - 24.299	Reserved	Reserved	Moved from Ch. 22, no changes to rule text
22.200	24.200 - 24.299	Definitions for voluntary operating permits	Reserved	Moved from Ch. 22, no changes to rule text

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Chapter 20				
22.201	24.200 - 24.299	Eligibility for voluntary operating permits	Reserved	Moved from Ch. 22, no changes to rule text
22.203	24.200 - 24.299	Voluntary operating permit applications	Reserved	Moved from Ch. 22, no changes to rule text
22.204	24.200 - 24.299	Voluntary operating permit fees	Reserved	Moved from Ch. 22, no changes to rule text
22.205	24.200 - 24.299	Voluntary operating permit processing procedures	Reserved	Moved from Ch. 22, no changes to rule text
22.206	24.200 - 24.299	Permit content	Reserved	Moved from Ch. 22, no changes to rule text
22.207	24.200 - 24.299	Relation to construction permits	Reserved	Moved from Ch. 22, no changes to rule text
22.208	24.200 - 24.299	Suspension, termination, and revocation of voluntary operating permits	Reserved	Moved from Ch. 22, no changes to rule text
22.209	24.200 - 24.299	Change of ownership for facilities with voluntary operating permits	Reserved	Moved from Ch. 22, no changes to rule text
22.210 - 22.299	24.200 - 24.299	Reserved	Reserved	Moved from Ch. 22, no changes to rule text
Chapter 23				
23	23	Emission Standards	Air Emission Standards	Kept
23.1	23.1	Emission standards	Emission standards	Kept, language updated, tables used
23.2	23.2	Open burning	Open burning	Kept, some language updated
23.3	23.3	Specific contaminants	Specific contaminants	Kept, some language updated
23.4	23.4	Specific processes	Specific processes	Kept, some language updated
23.5	23.5	Anaerobic lagoons	Anaerobic lagoons	Kept, some language updated
23.6	23.6	Alternative emission limits (the “bubble concept”)	Reserved	Removed
Chapter 24				

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Chapter 20				
24	(New) 21	Excess Emissions	Compliance, Excess Emissions, and Measurement of Emissions	Moved rules and combined with Ch. 21. Moved operating permit rules here (to Ch. 24).
24.1	21.7	Excess emission reporting	Excess emission reporting	Moved from Ch. 24, some language updated
24.2	21.8	Maintenance and repair requirements	Maintenance and repair requirements	Moved from Ch. 24, some language updated
Chapter 25				
25	(New) 21	Emissions Measurement	Compliance, Excess Emissions, and Measurement of Emissions	Moved rules and combined with Ch. 21. Rescinded Ch. 25. (Reserved)
25.1	21.10	Testing and sampling of new and existing equipment	Testing and sampling of new and existing equipment	Moved from Ch. 25, some language updated
25.2	21.11	Continuous emission monitoring under the acid rain program	Continuous emission monitoring under the acid rain program	Moved from Ch. 25, some language updated
25.3		Mercury emissions testing and monitoring	N/A	Rescinded. Except 25.3(5)
25.3(5)	21.12	Affected sources subject to Section 112(g)	Affected sources subject to Section 112(g)	Moved from Ch. 25, some language updated
Chapter 26				
26	(New) 21	Emergency Air Pollution Episodes	Compliance, Excess Emissions, and Measurement of Emissions	Moved rules and combined with Ch. 21. Rescinded Ch. 26. (Reserved)
26.1	21.14	Prevention of air pollution emergency episodes - General	Prevention of air pollution emergency episodes	Moved from Ch. 26, some language updated
26.2	21.15	Episode criteria	Episode criteria	Moved from Ch. 26, some language updated
26.3	21.16	Preplanned abatement strategies	Preplanned abatement strategies	Moved from Ch. 26, some language updated
26.4	21.17	Actions taken during episodes	Actions taken during episodes	Moved from Ch. 26, some language updated

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Chapter 20				
Ch 26 Table III	Table I	Abatement strategies emission reduction actions alert level	Abatement strategies emission reduction actions alert level	Moved from Ch. 26, reference federal appendix table
Ch 26 Table IV	Table II	Abatement strategies emission reduction actions warning level	Abatement strategies emission reduction actions warning level	Moved from Ch. 26, reference federal appendix table
Ch 26 Table V	Table III	Abatement strategies emission reduction actions emergency level	Abatement strategies emission reduction actions emergency level	Moved from Ch. 26, reference federal appendix table
Chapter 27				
27	27	Local Program Acceptance	Local Program Acceptance	Kept
27.1	27.1	General	General	Kept, some language updated
27.2	27.2	Certificate of acceptance	Certificate of acceptance	Kept, some language updated
27.3	27.3	Ordinance or regulations	Ordinance or regulations	Kept, some language updated
27.4	27.4	Administrative organization	Administrative organization	Kept, some language updated
27.5	27.5	Program activities	Program activities	Kept, some language updated
Chapter 28				
28	22	NAAQS	N/A	Moved rules and combined with Ch. 22. Rescinded Ch. 28. (Reserved)
28.1	22.11	Ambient air quality standards - Statewide standards	Ambient air quality standards	Moved from Ch. 28 , minor language updated Rescinded Ch. 28. (Reserved)
Chapter 29				
29	(New) 21	Opacity Qualifications	Compliance, Excess Emissions, and Measurement of Emissions	Moved rules and combined with Ch. 21. Rescinded Ch. 29. (Reserved)
29.1	21.13	Methodology and qualified observer	Methodology and qualified observer	Moved from Ch. 29, some language updated
Chapter 30				
30	30	Fees	Fee	Kept
30.1	30.1	Purpose	Purpose	Kept, language updated

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Chapter 20				
30.2	30.2	Fees associated with new source review applications	Fees associated with new source review applications	Kept, some language updated
30.3	30.3	Fees associated with asbestos demolition or renovation notification	Fees associated with asbestos demolition or renovation notification	Kept, some language updated
30.4	30.4	Fees associated with Title V operating permits	Fees associated with Title V operating permits	Kept, some language updated
30.5	30.5	Fee advisory groups	Fee advisory groups	Kept, language updated
30.6	30.6	Process to establish or adjust fees and notification of fee rates	Process to establish or adjust fees and notification of fee rates	Kept, some language updated
30.7	30.7	Fee revenue	Reserved	Language removed
Chapter 31				
31	31	Nonattainment Areas	Nonattainment New Source Review	Kept
31.1	31.1	Permit requirements relating to nonattainment areas	Permit requirements relating to nonattainment areas	Kept, some language updated
31.2	31.2	Conformity of general federal actions to the Iowa state implementation plan or federal implementation plan - Rescinded	Reserved	Language removed
31.3	31.3	Nonattainment new source review requirements for areas designated nonattainment on or after May 18, 1998	Nonattainment new source review (NNSR) requirements for areas designated nonattainment	Kept, some language updated
31.4	31.4	Preconstruction review permit program	Preconstruction review permit program	Kept
31.5 - 31.8	31.5 - 31.8	Reserved	Reserved	Kept
31.9	31.9	Actuals PALs	Actuals PALs	Kept, some language updated
31.10	31.10	Validity of rules	Validity of rules	Kept
31.11 - 31.19	N/A	Reserved	N/A	Rescinded and removed

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Chapter 20				
31.20	N/A	Special requirements for nonattainment areas designated before May 18, 1998	N/A	Rescinded and removed
Chapter 32				
32	N/A	AFO Field Study	N/A	Rescinded Ch. 32. (Reserved)
32.1	N/A	Animal feeding operations field study	N/A	Rescinded, reserved, and language removed
32.2	N/A	Definitions	N/A	Rescinded, reserved, and language removed
32.3	N/A	Exceedance of the health effects value (HEV) for hydrogen sulfide	N/A	Rescinded, reserved, and language removed
32.4	N/A	Exceedance of the health effects standard (HES) for hydrogen sulfide	N/A	Rescinded, reserved, and language removed
32.5	N/A	Iowa Air Sampling Manual	N/A	Rescinded, reserved, and language removed
Chapter 33				
33	33	Special regulations and construction permit requirements for major stationary sources— Prevention of significant deterioration (PSD) of air quality	Construction permit requirements for major stationary sources— Prevention of significant deterioration (PSD)	Kept
33.1	33.1	Purpose	Purpose	Kept, some language updated
33.2	33.2	Reserved	Reserved	Kept
33.3	33.3	Special construction permit requirements for major stationary sources in areas designated attainment or unclassified (PSD)	PSD construction permit requirements for major stationary sources	Kept, some language updated
33.4 - 33.8	33.4 - 33.8	Reserved	Reserved	Kept

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Chapter 20				
33.9	33.9	Plantwide applicability limitations (PALs)	Plantwide applicability limitations (PALs)	Kept, some language updated
33.10	33.10	Exceptions to adoption by reference	Exceptions to adoption by reference	Kept, some language updated
Chapter 34				
34	N/A	Emissions Trading-CAIR-CAMR	N/A	Rescinded Ch. 34. (Reserved)
34.1	N/A	Purpose	N/A	Rescinded, reserved, and language removed
34.2 - 34.199	N/A	Reserved	N/A	Rescinded, reserved, and language removed
34.200	N/A	Provisions for air emissions trading and other requirements for the Clean Air Interstate Rule (CAIR) - rescinded	N/A	Rescinded, reserved, and language removed
34.201	N/A	CAIR NOx annual trading program general provisions - rescinded	N/A	Rescinded, reserved, and language removed
34.202	N/A	CAIR designated representative for CAIR NOx sources - rescinded	N/A	Rescinded, reserved, and language removed
34.203	N/A	Permits - rescinded	N/A	Rescinded, reserved, and language removed
34.204	N/A	Reserved	N/A	Rescinded, reserved, and language removed
34.205	N/A	CAIR NOx allowance allocations - rescinded	N/A	Rescinded, reserved, and language removed
34.206	N/A	CAIR NOx allowance tracking system - rescinded	N/A	Rescinded, reserved, and language removed
34.207	N/A	CAIR NOx allowance transfers - rescinded	N/A	Rescinded, reserved, and language removed

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Chapter 20				
34.208	N/A	Monitoring and reporting - rescinded	N/A	Rescinded, reserved, and language removed
34.209	N/A	CAIR NOx opt-in units - rescinded	N/A	Rescinded, reserved, and language removed
34.210	N/A	CAIR SO2 trading program - rescinded	N/A	Rescinded, reserved, and language removed
34.211 - 34.219	N/A	Reserved	N/A	Rescinded, reserved, and language removed
34.220	N/A	CAIR NOx ozone season trading program - rescinded	N/A	Rescinded, reserved, and language removed
34.221	N/A	CAIR NOx ozone season trading program general provisions - rescinded	N/A	Rescinded, reserved, and language removed
34.222	N/A	CAIR designated representative for CAIR NOx ozone season sources - rescinded	N/A	Rescinded, reserved, and language removed
34.223	N/A	CAIR NOx ozone season permits - rescinded	N/A	Rescinded, reserved, and language removed
34.224	N/A	Reserved	N/A	Rescinded, reserved, and language removed
34.225	N/A	CAIR NOx ozone season allowance allocations - rescinded	N/A	Rescinded, reserved, and language removed
34.226	N/A	CAIR NOx ozone season allowance tracking system - rescinded	N/A	Rescinded, reserved, and language removed
34.227	N/A	CAIR NOx ozone season allowance transfers - rescinded	N/A	Rescinded, reserved, and language removed
34.228	N/A	CAIR NOx ozone season monitoring and reporting - rescinded	N/A	Rescinded, reserved, and language removed

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Chapter 20				
34.229	N/A	CAIR NOx ozone season opt-in units - rescinded	N/A	Rescinded, reserved, and language removed
34.230 - 34.299	N/A	Reserved	N/A	Rescinded, reserved, and language removed
34.300	N/A	Provisions for air emissions trading and other requirements for the Clean Air Mercury Rule (CAMR) - rescinded	N/A	Rescinded, reserved, and language removed
34.301	N/A	Mercury (Hg) budget trading program general provisions - rescinded	N/A	Rescinded, reserved, and language removed
34.302	N/A	Hg designated representative for Hg budget sources - rescinded	N/A	Rescinded, reserved, and language removed
34.303	N/A	General Hg budget trading program permit requirements - rescinded	N/A	Rescinded, reserved, and language removed
34.304	N/A	Hg allowance allocations - rescinded	N/A	Rescinded, reserved, and language removed
34.305	N/A	Hg allowance tracking system - rescinded	N/A	Rescinded, reserved, and language removed
34.307	N/A	Monitoring and reporting - rescinded	N/A	Rescinded, reserved, and language removed
34.308	N/A	Performance specifications - rescinded	N/A	Rescinded, reserved, and language removed
Chapter 35				
35	N/A	Grant Assistance Programs	N/A	Rescinded Ch. 35. (Reserved)
35.1	N/A	Purpose	N/A	Rescinded, reserved, and language removed
35.2	N/A	Definitions	N/A	Rescinded, reserved, and language removed

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Chapter 20				
35.3	N/A	Role of the department of natural resources	N/A	Rescinded, reserved, and language removed
35.4	N/A	Eligible projects	N/A	Rescinded, reserved, and language removed
35.5	N/A	Forms	N/A	Rescinded, reserved, and language removed
35.6	N/A	Project selection	N/A	Rescinded, reserved, and language removed
35.7	N/A	Funding sources	N/A	Rescinded, reserved, and language removed
35.8	N/A	Type of financial assistance	N/A	Rescinded, reserved, and language removed
35.9	N/A	Term of loans	N/A	Rescinded, reserved, and language removed
35.10	N/A	Reduced award	N/A	Rescinded, reserved, and language removed
35.11	N/A	Fund disbursement limitations	N/A	Rescinded, reserved, and language removed
35.12	N/A	Applicant cost share	N/A	Rescinded, reserved, and language removed
35.13	N/A	Eligible costs	N/A	Rescinded, reserved, and language removed
35.14	N/A	Ineligible costs	N/A	Rescinded, reserved, and language removed
35.15	N/A	Written agreement	N/A	Rescinded, reserved, and language removed