Iowa Department of Natural Resources
Title V Operating Permit

Name of Permitted Facility: Ajinomoto Health and Nutrition North America, Inc.
Facility Location: 1116 Highway 137, Eddyville, IA 52553
Air Quality Operating Permit Number: 00-TV-028R4
Expiration Date: 01/20/2030
Permit Renewal Application Deadline: 07/20/2029

EIQ Number: 92-2456
Facility File Number: 68-09-002

Responsible Official
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Title: Director, General Manager
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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

Marnie Stein 01/21/2025

Marnie Stein, Supervisor of Air Operating Permits Section Date

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Abbreviations

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

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

I. Facility Description and Equipment List

Facility Name: Ajinomoto Health and Nutrition North America, Inc.
Permit Number: 00-TV-028R4

Facility Description: Industrial Organic Chemicals (SIC 2869)

Equipment List

Emission Point Number	Emission Unit Number	Emission Unit Description	IDNR Construction Permit Number
EP-09	D-2601	South Plant E-0 Dryer	84-A-111-S3
	M-2702	Bucket Elevator	
	T-2704A	Hopper	
EP-10	D-2651	South Plant E-2 Dryer	90-A-278-S3
	D-2652	South Plant E-2 Cooler	
	M-2752	South Plant Bucket Elevator	
EP-11	M-2707	South Plant PKG Bucket Elevator	90-A-279-S2
	T-2731	South Plant PKG Hopper	
	X-2741	South Plant Auto Weighing	
	M-2754	South Plant Dryer Conveyor	
	M-2757	South Plant Bucket Elevator	
	X-2761	South Plant 1000KG Bagger	
	M-2772	South Plant Bucket Elevator[i] (bypass)	
	S-2773	South Plant Sifter (bypass)	
	T-2771A	South Plant Hopper (bypass)	
EP-12	EU-12	Soybean Meal Hydrolyzing	92-A-415
EP-14	D-2661	South Plant E-5 Dryer	97-A-523-S2
	M-2762	South Plant Bucket Elevator	
EP-15	T-4220A	Hydrochloric Acid Storage Tank	98-A-871-S6
	T-4220B	Hydrochloric Acid Storage Tank	
	T-4220C	Hydrochloric Acid Storage Tank	
EP-22	EU-22	ET-0 North Plant Dryer	01-A-777-S2
EP-30	EU-30A	Boiler #1	07-A-1096-S2
	EU-30B	Boiler #2	
EP-30BP	EU-30A	Boiler #1	92-A-296-S2
	EU-30B	Boiler #2	
EP-31	EU-31A	Boiler #3	07-A-1097-S2
	EU-31B	Boiler #4	
EP-31BP	EU-31A	Boiler #3	96-A-894-S4
	EU-31B	Boiler #4	
EP-114	EU-114	Boiler #5	15-A-569
EP-33	TK-2622B	North Plant E-2 Cyclonaire Surge Hopper	05-A-309-S3
	VS-2620B	North Plant E-2 Cyclonaire Transfer Vessel	
	DY-2611B	North Plant E-2 Dryer	

Emission Point Number	Emission Unit Number	Emission Unit Description	IDNR Construction Permit Number
	TK-2641C	North Plant E-2 Granulator Hopper	
EP-38	EU-38	Salt Tank	02-A-620-S4
EP-39	CV-2647B	NP Bucket Elevator	07-A-727-S4
	SC-2649B	NP Rotex Sifter	
	DY-2611C	NP E3 Dryer	
	TK-2641B	NP Granulator Feed Tank	
	TK-2622C	NP Granulator B Dust Receiving Tank	
	CV-2617C2	NP Cablevey Turnaround	
	TK-2603C	NP Feed Hopper	
EP-41	SC-2649C	North Plant Rotex Sifter	19-A-041-S1
	ME-2801D	North Plant Packaging Surge Hopper	
	ME-2643C	North Plant Granulator	
	ME-2850	North Plant 25kg Packager	
	ME-2802C	North Plant 1000kg Bagger	
	TK-2705G	North Plant Product Hopper	
	TK-2705H	North Plant Product Hopper	
	TK-2705F	North Plant Product Hopper	
	CV-2647C	North Plant Bucket Elevator	
	TK-2705E	North Plant Product Hopper	
EP-45	M-2772	South Plant Bucket Elevator	13-A-010-S3
	S-2773	South Plant Sifter	
	T-2771A	South Plant Hopper	
	D-2671	South Plant E-9 Dryer	
EP-112	EU-2741A	Amino Acid Dryer	15-A-166-S3
EP-107	EU-107	Fire Pump G1	NA
EP-108	EU-108	Fire Pump G2	NA
EP-77	EU-77	South Cooling Tower 1	17-A-528
EP-78	EU-78	South Cooling Tower 2	17-A-529
EP-79	EU-79	South Cooling Tower 3	17-A-530
EP-120	ME-2801B	Bulk Bag Surge Hopper	24-A-146
	ME-2802	1000kg Bulk Bagger	
	ME-32801	125kg Newlong Packaging Machine	
EP-122	DY-2741B	Amino Acid Dryer	19-A-278-S1
EP-125	EX-2629A	NP E-0 Cooler	24-A-007-S1
	EX-2629C	NP E-3 Cooler	
	FL-2615	NP E-0 Baghouse Dropout	
	FL-2615C	NP E-3 Baghouse Dropout	
EP-136	ME-1720	North Plant Ingredient Mixing	24-A-147
EP-127	EU-127	Main Delivery Road - Paved	NA
EP-128	EU-128	Fertilizer Plant Road - Unpaved	NA

Insignificant Activities Equipment List

Insignificant Emission Unit Number	Insignificant Emission Unit Description
129	Bulk Truck Loadout
BL-3110A	NP Vacuum System
BE-2742A	Bucket Elevator
BE-2742B	Bucket Elevator
BF-1502B	Main Prep Dump Station
BF-1702B	Seed Prep Dump Station
CM-2731A	AjiPro-L Crusher 2
CM-2731B	Amino Acid Crusher APL2
CT-6100A – CT-6100F	NP Cooling Towers (6)
CT-6150A – CT6150F	NP Cooling Towers II (6)
DD-001	Drum Dryer
EU-132	Sludge Unloading - paved
EU-133	Ajipro-L unpaved
EU-134	Sludge Unloading - unpaved
EU-135	Hogan Parking - unpaved
F-1710A – F-1710G	SP Seed Fermenters (7)
F-1760A – F-1760G	SP Main Seed Fermenters (7)
FE-1710A – FE-1710H	NP Seed Fermenters (8)
FE-1760A – FE-1760H	NP Main Fermenters (8)
FL-1505	MC Dump Station
K-6501D – K6501M	South Cooling Towers 4 - 10
K-6551A – K-6551G	Utility Cooling Towers 1 - 7
ME-2733A	SP Bulk Loadout
ME-2733B	SP Bulk Loadout
ME-2801D	NP Packaging Hoppers
PB-001	Drum Dryer Boiler
S-2620 – S-2690	Free-Flo Agent Volumetric Feeders (4)
T-4250A – T4250B	Finished Product Rail Loadout 1 & 2
T-5200	Soybean Meal Storage
TK-2705D	North Plant Hopper D
TK-2730B	Ajipro-L Bin Vent (FL-2730C)
TK-2742A	Final Product Hopper
TK-2742B	Final Product Hopper
TK-2902	SP Bulk Loadout
TK-2902B	SP Bulk Loadout
VS-2901	NP Bulk Loadout

II. Plant-Wide Conditions

Facility Name: Ajinomoto Health and Nutrition North America, Inc.
Permit Number: 00-TV-028R4

Permit conditions are established in accord with 567 Iowa Administrative Code rule 24.108. 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 B.

Permit Duration

The term of this permit is: Five (5) years from permit issuance
Commencing on: 01/21/2025
Ending on: 01/20/2030

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.

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

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

Sulfur Dioxide (SO_2): 500 parts per million by volume
Authority for Requirement: 567 IAC 23.3(3)"e"

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

For sources constructed, modified or reconstructed prior to July 21, 1999, the emission of particulate matter from any process shall not exceed the amount determined from Table I, or amount specified in a permit if based on an emission standard of 0.1 grain per standard cubic foot of exhaust gas or established from standards provided in 23.1(455B) and 23.4(455B).
Authority for Requirement: 567 IAC 23.3(2)"a"

Fugitive Dust: Attainment and Unclassified Areas - No person shall allow, cause or permit 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 public roads, without taking reasonable precautions to prevent particulate matter in quantities sufficient to create a nuisance, as defined in Iowa Code section 657.1, from becoming airborne. 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 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 limited to, the following procedures.

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

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

III. Emission Point-Specific Conditions

Facility Name: Ajinomoto Health and Nutrition North America, Inc.
Permit Number: **00-TV-028R4**

Emission Point ID Number: EP-09

Associated Equipment

Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
D-2601	South Plant E-0 Dryer	S-2612: Cyclone S-2611: Baghouse	Speciality Chemical	2.1 tons/hr	84-A-111-S3
M-2702	Bucket Elevator	S-2611: Baghouse		2.2 tons/hr	
T-2704A	Hopper			13 tons/hr	

Applicable Requirements

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

Pollutant: Opacity
Emission Limit(s): 40 % [(1)]
Authority for Requirement: DNR Construction Permit 84-A-111-S3
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM_{10})
Emission Limit(s): 0.53 lb/hr.
Authority for Requirement: DNR Construction Permit 84-A-111-S3

Pollutant: Particulate Matter (PM)
Emission Limit(s): 5.96 lb/hr., 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 84-A-111-S3
567 IAC 23.3(2)"a"

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 0.61 lb/hr.
Authority for Requirement: DNR Construction Permit 84-A-111-S3

NSPS/NESHAP Applicability

This emission point is subject to 40 CFR 63 Subparts A *General Provisions*, VVVVVV *National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources*, and DDDDDDD *National Emission Standards for Hazardous Air Pollutants for Area Sources: Prepared Feeds Manufacturing*.

Authority for Requirement: DNR Construction Permit 84-A-111-S3

Operating Requirements with Associated Monitoring and Recordkeeping

All records as required by this permit shall be available 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. Prior to the use of any new input material in this process, the Safety Data Sheet (SDS) for the material shall be reviewed through the management of change (MOC) process for VOC and HAP constituents. If VOC or HAP are present, the owner or operator shall supply product information to the Department for review and approval. This data shall include, but is not limited to:
    (1) A description of the new input material;
    (2) A Safety Data Sheet (SDS) for the new input material; and
    (3) Calculations showing the potential VOC, single HAP, and total HAP emissions from this emission point (EP-09) with the new material.
B. Per 40 CFR §63.11621(a), in all areas where material containing chromium or manganese are handled, the owner or operator shall comply with management practices by:
    (1) Performing housekeeping measures to minimize excess dust. These measures must include, but not be limited to, the practices specified below.
        i. You must use either an industrial vacuum system or manual sweeping to reduce the amount of dust;
        ii. At least once per month, you must remove dust from walls, ledges, and equipment using low pressure air or by other means, and then sweep or vacuum the area;
        iii. You must keep exterior doors in the immediate affected areas shut except during normal ingress and egress, as practicable. This paragraph [40 CFR §63.11621(a)(1)(iii)] does not apply to areas where finished product is stored in closed containers, and no other materials containing chromium or manganese are present.
    (2) Maintaining and operating all process equipment in accordance with manufacturer's specifications and in a manner to minimize dust creation.
C. The owner or operator shall comply with the notification, reporting, and recordkeeping requirements, as specified in 40 CFR §63.11624.
D. The owner or operator shall meet all of the management practices specified in 40 CFR §63.11495(a) that apply to the South Plant E-0 Dryer (EU D-2601), Bucket Elevator (EU M-2702), and Hopper (EU T-2704A).
E. The owner or operator shall comply with the applicable standards in 40 CFR Part 63,

Subparts A [§60.1 – §60.19] and VVVVVV [§63.11494 – §63.11503], including those not specifically mentioned in this permit.

F. Per 40 CFR §63.11496(f), the owner or operator shall keep:
   (1) Safety Data Sheet (SDS) for any input material to any process covered under NESHAP Subpart VVVVVV;
   (2) For any process with metal HAP as an input, the owner or operator shall keep records of the number of batches completed per month and the estimated metal HAP emissions; and,
   (3) The total emissions must be reevaluated before any process or operational change is made that affects emissions of metal HAP. If projected emissions increase to 400 lb/yr or more, the owner operator must be in compliance with one of the options for metal HAP process vents listed in Table 4 of NESHAP Subpart VVVVVV upon initiating operation under the new operating conditions.

G. The owner or operator shall maintain the Baghouse (CE S-2611) and Cyclone (CE S-2612) according to the manufacturer's specifications and recommendations. The owner or operator shall maintain a log of all maintenance and inspection activities performed on the Baghouse (CE S-2611) and Cyclone (CE S-2612). This log shall include, but is not necessarily limited to:
   (1) The date and time any inspection and/or maintenance was performed on the Baghouse (CE S-2611) and/or Cyclone (CE S-2612);
   (2) Any issues identified during the inspection and the date each issue was resolved;
   (3) Any issues addressed during the maintenance activities and the date each issue was resolved; and
   (4) Identification of the staff member performing the maintenance or inspection.

H. The owner or operator shall maintain a differential pressure drop across the Baghouse (CE S-2611) between 0.5 and 8.0 inches water column. The owner or operator shall:
   (1) Calibrate, operate, and maintain a differential pressure monitoring device according to the manufacturer's specifications;
   (2) Operate the device at all times that South Plant E-0 Dryer (EU D-2601) and Baghouse (CE S-2611) are in operation;
   (3) Monitor and record the pressure drop across the Baghouse (CE S-2611) drop continuously while the process is in operation;
   (4) Calculate the average pressure drop readings over a time period not to exceed one hour;
   (5) Program an alarm to sound if the hourly average pressure drop is outside of the applicable range; and
   (6) On an hourly basis, the owner or operator shall calculate the 3-hour average pressure drop across the Baghouse (CE S-2611). If the 3-hour average pressure drop range is not between 0.5 and 8.0 inches water column an alarm will sound and the owner or operator shall record the date and time of the occurrence, corrective actions taken, and the time until the pressured drop parameters are back in the applicable range. This data shall be collected during normal operating conditions, which is when the dryer has operated for at least 3 successive hours.

Authority for Requirement: DNR Construction Permit 84-A-111-S3

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

Stack Height, (ft, from the ground): 87
Stack Opening, (inches): 36 x 25
Exhaust Flow Rate (scfm): 12,200
Exhaust Temperature (°F): 170
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 84-A-111-S3

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

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

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

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

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☒ **No** ☐
(Required for S-2612 & S-2611) See Appendix C

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: EP-10

Associated Equipment

Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
D-2651	South Plant E-2 Dryer	S-2666: Cyclone S-2661: Baghouse	Amino Acid	2.2 tons/hr	90-A-278-S3
D-2652	South Plant E-2 Cooler	S-2661 Baghouse S-2666: Cyclone			
M-2752	South Plant Bucket Elevator	S-2661: Baghouse		3.3 tons/hr	

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40 % (1)
Authority for Requirement: DNR Construction Permit 90-A-278-S3
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM_{10})
Emission Limit(s): 0.50 lb/hr.
Authority for Requirement: DNR Construction Permit 90-A-278-S3

Pollutant: Particulate Matter (PM)
Emission Limit(s): 1.0 lbs/hr., 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 90-A-278-S3
567 IAC 23.3(2)"a"

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 0.64 lb/hr.
Authority for Requirement: DNR Construction Permit 90-A-278-S3

NSPS/NESHAP Applicability

This emission point is subject to 40 CFR 63 Subparts A *General Provisions*, VVVVVV *National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources*, and DDDDDDD *National Emission Standards for Hazardous Air Pollutants for Area Sources: Prepared Feeds Manufacturing*.

Authority for Requirement: DNR Construction Permit 90-A-278-S3

Operating Requirements with Associated Monitoring and Recordkeeping

All records as required by this permit shall be available 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 average hourly production rate of the South Plant E-2 Dryer (D-2651) shall not exceed 2.2 tons per hour (tons/hr) calculated on a daily basis. The facility shall calculate and record the average hourly production rate (tons/hr) of the South Plant E-2 Dryer (D-2651)
   (1) The facility shall record the amount of product produced by D-2651, in pounds, on a daily basis;
   (2) The facility shall record the hours of operation for D-2651, on a daily basis. The hours of operation for the process is defined as the amount of time the Baghouse (S-2661) operates; and,
   (3) The facility shall calculate and record on a daily basis the average hourly production rate (tons/hr) for D-2651 based on the daily amount of product produced and daily hours of operation.

B. The owner or operator shall operate and maintain the Baghouse (S-2661) and Cyclone (S-2666) according to the manufacturer's specifications and maintenance schedule. The facility shall maintain a log of all maintenance and inspection activities performed on the control equipment. This log shall include, but is not limited to:
   (1) The date and time any inspection and/or maintenance was performed on the control equipment;
   (2) Any issues identified during the inspection and the date each issue was resolved; and,
   (3) Any issues identified during the maintenance activities and the date each issue was resolved.

C. The differential pressure drop across the Baghouse (S-2661) shall be maintained between 0.5 and 8 inches water column.
   (1) The owner or operator shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emission units are in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manuals.
   (2) The owner or operator shall record the pressure drop across the baghouse on a daily basis. This requirement shall not apply on the days that the process is not in operation.
   (3) If the pressure drop across the baghouse falls outside the range specified in

Construction Permit Condition 5.C., the owner or operator shall investigate the baghouse and make the necessary corrections. The owner or operator shall maintain a record of all corrective actions taken.

D. Prior to the use of any new input material in this process, the Safety Data Sheet (SDS) for the material shall be reviewed through the management of change (MOC) process for VOC and HAP constituents. If VOC or HAP are present, the owner or operator shall supply product information to the Department for review and approval. This data shall include, but is not limited to:
   (1) A description of the new input material:
   (2) A Safety Data Sheet (SDS) for the new input material; and,
   (3) Calculations showing the potential VOC, single HAP, and total HAP emissions from this emission point (EP-10) with the new material.

Authority for Requirement: DNR Construction Permit 90-A-278-S3

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

Stack Height, (ft, from the ground): 73
Stack Opening, (square inches): 32 x 23
Exhaust Flow Rate (scfm): 12,000
Exhaust Temperature (°F): 180
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 90-A-278-S3

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

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

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

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

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☒ **No** ☐
(Required for S-2666 & S-2661) See Appendix C

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: EP-11

Associated Equipment

Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
M-2707	South Plant PKG Bucket Elevator	S-2735: Baghouse	Amino Acid	8 ton/hr	90-A-279-S2
T-2731	South Plant PKG Hopper			13 ton/hr	
X-2741	South Plant Auto Weighing			8 ton/hr	
M-2754	South Plant Dryer Conveyor			3.5 ton/hr	
M-2757	South Plant Bucket Elevator			6 ton/hr	
X-2761	South Plant 1000KG Bagger			6 ton/hr	
M-2772	South Plant Bucket Elevator[1]			3.5 ton/hr	
S-2773	South Plant Sifter[i]			2.2 ton/hr	
T-2771A	South Plant Hopper[i]			3.5 ton/hr	

[1] The following emission units normally vent through EP-45, but may bypass EP-45 to vent through the Baghouse (S-2735) and EP-11.

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40 % (1)
Authority for Requirement: DNR Construction Permit 90-A-279-S2
567 IAC 23.3(2)"d"

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

Pollutant: PM_{10}
Emission Limit(s): 0.50 lb/hr.
Authority for Requirement: DNR Construction Permit 90-A-279-S2

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 90-A-279-S2
567 IAC 23.3(2)"a"

NSPS/NESHAP Applicability

This emission point is subject to 40 CFR 63 Subpart DDDDDDD *National Emission Standards for Hazardous Air Pollutants for Area Sources: Prepared Feeds Manufacturing*. The facility is required to perform all of the applicable housekeeping, monitoring, testing, recordkeeping, and reporting (40 CFR §63.11621 – §63.11624).

Authority for Requirement: 40 CFR 63 Subpart DDDDDDD

Operating Requirements with Associated Monitoring and Recordkeeping

All records as required by this permit shall be available 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 operate and maintain the Baghouse (S-2735) according to the manufacturer's specifications and maintenance schedule. The facility shall maintain a log of all maintenance and inspection activities performed on the control equipment. This log shall include, but is not limited to:
   (1) The date and time any inspection and/or maintenance was performed on the control equipment;
   (2) Any issues identified during the inspection and the date each issue was resolved; and,
   (3) Any issues identified during the maintenance activities and the date each issue was resolved.
B. The differential pressure drop across the Baghouse (S-2735) shall be maintained between 0.5 and 8 inches water column.
   (1) The owner or operator shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emission units are in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manuals.
   (2) The owner or operator shall record the pressure drop across the baghouse on a daily basis. This requirement shall not apply on the days that the process is not in operation.
   (3) If the pressure drop across the baghouse falls outside the range specified in Condition 5.B., the owner or operator shall investigate the baghouse and make the necessary corrections. The owner or operator shall maintain a record of all corrective actions taken.

Authority for Requirement: DNR Construction Permit 90-A-279-S2

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

Stack Height, (ft, from the ground): 58
Stack Opening, (inches, dia.): 9
Exhaust Flow Rate (scfm): 4,385
Exhaust Temperature (°F): 120
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 90-A-279-S2

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

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

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

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

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

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

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

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

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: EP-12

Associated Equipment

Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
EU-12	Soybean Meal Hydrolyzing	S-5110: Packed Bed Scrubber	Sulfuric Acid	48.2 gal./hr.	92-A-415

Applicable Requirements

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

Pollutant: Sulfuric Acid (H_2SO_4)
Emission Limit(s): 9×10^{-12} lb/hr., 2.2×10^{-11} tons/yr., 1.2×10^{-13} gr/dscf
Authority for Requirement: DNR Construction Permit 92-A-415

Pollutant: PM
Emission Limit(s): 0.1 gr/scf
Authority for Requirement: 567 IAC 23.3(2)a

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(2)d

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

Stack Height, (ft, from the ground): 34
Stack Opening, (feet, dia.): 1.167
Exhaust Flow Rate (acfm): 4,800
Exhaust Temperature (°F): 140
Discharge Style: NA
Authority for Requirement: DNR Construction Permit 92-A-415

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

Monitoring Requirements

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

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

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

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

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

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

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

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: EP-14

Associated Equipment

Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
D-2661	South Plant E-5 Dryer	S-2672: Cyclone S-2671: Baghouse	Amino Acid	2.7 tons/hr	97-A-523-S2
M-2762	South Plant Bucket Elevator	S-2671: Baghouse		3.3 tons/hr	

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40 % (1)
Authority for Requirement: DNR Construction Permit 97-A-523-S2
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM_{10})
Emission Limit(s): 1.00 lb/hr.
Authority for Requirement: DNR Construction Permit 97-A-523-S2

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 97-A-523-S2
567 IAC 23.3(2)"a"

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 0.78 lb/hr.
Authority for Requirement: DNR Construction Permit 97-A-523-S2

NSPS/NESHAP Applicability

This emission point is subject to 40 CFR 63 Subparts A *General Provisions*, VVVVVV *National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources*, and DDDDDDD *National Emission Standards for Hazardous Air Pollutants for Area Sources: Prepared Feeds Manufacturing*.

Authority for Requirement: DNR Construction Permit 97-A-523-S2

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 average hourly production rate of the South Plant E-5 Dryer (D-2661) shall not exceed 2.7 tons per hour (tons/hr) calculated on a daily basis. The facility shall calculate and record the average hourly production rate (tons/hr) of the South Plant E-5 Dryer (D-2661):
   (1) The facility shall record the amount of product produced by D-2661, in pounds, on a daily basis;
   (2) The facility shall record the hours of operation for D-2661, on a daily basis. The hours of operation for the process is defined as the amount of time the Baghouse (S-2671) operates; and,
   (3) The facility shall calculate and record on a daily basis the average hourly production rate (tons/hr) for EU D-2661 based on the daily amount of product produced and daily hours of operation.

B. The owner or operator shall operate and maintain the Baghouse (S-2671) and Cyclone (S-2672) according to the manufacturer's specifications and maintenance schedule. The facility shall maintain a log of all maintenance and inspection activities performed on the control equipment. This log shall include, but is not limited to:
   (1) The date and time any inspection and/or maintenance was performed on the control equipment;
   (2) Any issues identified during the inspection and the date each issue was resolved; and,
   (3) Any issues identified during the maintenance activities and the date each issue was resolved.

C. The differential pressure drop across the Baghouse (S-2671) shall be maintained between 0.5 and 8 inches water column.
   (1) The owner or operator shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emission units are in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manuals.
   (2) The owner or operator shall record the pressure drop across the baghouse on a daily basis. This requirement shall not apply on the days that the process is not in

operation.

(3) If the pressure drop across the baghouse falls outside the range specified in Construction Permit Condition 5.C., the owner or operator shall investigate the baghouse and make the necessary corrections. The owner or operator shall maintain a record of all corrective actions taken.

D. Prior to the use of any new input material in this process, the Safety Data Sheet (SDS) for the material shall be reviewed through the management of change (MOC) process for VOC and HAP constituents. If VOC or HAP are present, the owner or operator shall supply product information to the Department for review and approval. This data shall include, but is not limited to:
   (1) A description of the new input material:
   (2) A Safety Data Sheet (SDS) for the new input material; and,
   (3) Calculations showing the potential VOC, single HAP, and total HAP emissions from this emission point (EP-14) with the new material.

Authority for Requirement: DNR Construction Permit 97-A-523-S2

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 77
Stack Opening, (inches): 32 x 19
Exhaust Flow Rate (scfm): 16,645
Exhaust Temperature (°F): 181
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 97-A-523-S2

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒
Facility Maintained Operation & Maintenance Plan Required? **Yes** ☐ **No** ☒
Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☒ **No** ☐
(Required for S-2672 & S-2671) See Appendix C
Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: EP-15

Associated Equipment

Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
T-4220A	Hydrochloric Acid Storage Tank	Packed Bed Scrubber (T-4222)	Hydrochloric Acid	28,635gal/tank Pump 105 gal/min	98-A-871-S6
T-4220B	Hydrochloric Acid Storage Tank		Hydrochloric Acid	28,635 gal/tank Pump 105 gal/min	
T-4220C	Hydrochloric Acid Storage Tank		Hydrochloric Acid	28,635 gal/tank Pump 105 gal/min	

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40 % [(1)]
Authority for Requirement: DNR Construction Permit 98-A-871-S6
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 98-A-871-S6
567 IAC 23.3(2)"a"

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 only store hydrochloric acid in the three storage tanks covered under this permit (T- 4220A, T-4220B and T-4220C).

B. The owner or operator shall operate, inspect, and maintain the Scrubber (T-422) according to the manufacturer's specifications and instructions.
   (1) The owner or operator shall keep a log of all maintenance and inspection activities performed on scrubber. At a minimum, this log shall include the following:
      (a) The date that any inspection and/or maintenance was performed on the control equipment;
      (b) Any issues identified during inspection and maintenance activities;
      (c) The date each issue was resolved; and
      (d) Identification of the staff member performing the maintenance or inspection.

C. The owner or operator shall only use fresh water as a scrubbing liquid in the Scrubber (T-4222). The water shall not be recycled back through the scrubber.

D. The owner or operator shall maintain a 3-hour average water feed rate (in gallons per minute) into the Scrubber (T- 4222) between 3.0 gallons per minute and 5.0 gallons per minute.
   (1) The owner or operator shall install, operate, and maintain equipment necessary to continuously monitor the water feed rate (in gallons per minute) into the scrubber. This equipment shall be installed, operated, and maintained in accordance with the manufacturer's specifications and instructions.
   (2) The owner or operator shall collect and record the water feed rate (in gallons per minute) into the scrubber at a minimum of once every 15 minutes and calculate and record the 3-hour average water feed rated into the scrubber. The 3-hour average water feed rate into the scrubber shall be calculated using all data points collected during the averaging period.
   (3) If the 3-hour average water feed rate (in gallons per minute) into the scrubber falls the range specified above, the owner or operator shall record the time, date, and actions taken to correct the situation and shall record when the average water feed rate is back at or above the minimum required value.

Authority for Requirement: DNR Construction Permit 98-A-871-S6

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

Stack Height, (ft, from the ground): 54
Stack Opening, (inches, dia.): 6
Exhaust Flow Rate (scfm): NA*
Exhaust Temperature (°F): Ambient
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 98-A-871-S6
* The exhaust from this emission point is the result of the working and breathing losses from the three storage tanks.

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

Monitoring Requirements

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

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

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

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

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

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

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

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: EP-22

Associated Equipment

Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
EU-22	ET-0 Threonine Dryer	CY-2613: Cyclone FL-2615: Baghouse	Threonine	1.87 tons/hr.	01-A-777-S2

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40 % ([1])
Authority for Requirement: DNR Construction Permit 01-A-777-S2
567 IAC 23.3(2)"d"

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

Pollutant: Particulate (PM_{10})
Emission Limit(s): 1.25 lb/hr.
Authority for Requirement: DNR Construction Permit 01-A-777-S2

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 01-A-777-S2
567 IAC 23.3(2)"a"

Operational Limits & Requirements

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

Control equipment parameters:

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

Reporting & Record keeping:
Records shall be kept on site for at least five years and shall be available for inspection by the Department.

1. The owner or operator shall keep records of all control equipment inspections and maintenance activities.

Authority for Requirement: DNR Construction Permit 01-A-777-S2

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

Stack Height, (ft, from the ground): 97
Stack Opening, (inches, dia.): 24
Exhaust Flow Rate (scfm): 8,855
Exhaust Temperature (°F): 230
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 01-A-777-S2

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

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

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

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

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☒ **No** ☐
(Required for CY-2613 & FL-2615) See Appendix C

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Numbers: EP-30 & EP-30BP

Associated Equipment

Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
EU-30A	Boiler #1	NA	Natural Gas	78.24 MMBtu/hr	07-A-1096-S2 (EP-30) 92-A-296-S2 (EP-30BP)
EU-30B	Boiler #2	NA	Natural Gas	78.24 MMBtu/hr	

Applicable Requirements

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

The emissions from each of these emission points shall not exceed the levels specified below.

Pollutant: Opacity
Emission Limit(s): 40 % (1)
Authority for Requirement: DNR Construction Permits 07-A-1096-S2 & 92-A-296-S2
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM_{10}) (EP-30 Only)
Emission Limit(s): 1.50 lb/hr.
Authority for Requirement: DNR Construction Permits 07-A-1096-S2

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.6 lb/MMBtu
Authority for Requirement: DNR Construction Permits 07-A-1096-S2 & 92-A-296-S2
567 IAC 23.3(2)"b"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: DNR Construction Permits 07-A-1096-S2 & 92-A-296-S2
567 IAC 23.3(3)"e"

NSPS/NESHAP Applicability

These emission points are subject to 40 CFR 60 Subpart Dc *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units*.

Because the units are restricted to burning only natural gas, the potential sulfur dioxide emission rate will be below 0.32 lb/MMBTU heat input. Therefore, in accordance with 60.48c (g), the fuel record keeping requirement is reduced to monthly.

Authority for Requirement: 567 IAC 23.1(2)"lll"
40 CFR Part 60 Subpart Dc

Operational Limits & Requirements

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

Operating Limits

Operating limits for this emission unit shall be:

A. These emissions units (i.e. Boiler #1 and Boiler #2) shall be limited to burning natural gas only. Prior to burning any other fuels, the permittee shall submit an application to the Iowa DNR - Air Quality Bureau to modify this permit.

Operating Condition Monitoring

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner. These records shall show the following:

A. In accordance with §60.48c(g)(3), the permittee shall record and maintain records of the amounts of each fuel delivered to the property during each calendar month.

Authority for Requirement: DNR Construction Permits 07-A-1096-S2 & 92-A-296-S2
567 IAC 23.1(2)"lll"
40 CFR Part 60 Subpart Dc

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Emission Point	EP-30	EP-30BP
Stack Height, (ft, from the ground)	40	35
Stack Opening, (inches, dia.)	40	66
Exhaust Flow Rate (scfm)	31,950	30,500
Exhaust Temperature (°F)	130	311
Discharge Style	Vertical Unobstructed	Vertical Unobstructed
Authority for Requirement	07-A-1096-S2	92-A-296-S2

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

Monitoring Requirements

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

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

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

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

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Numbers: EP-31 & EP-31BP

Associated Equipment

Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
EU-31A	Boiler #3	NA	Natural Gas	98.11 MMBtu/hr	07-A-1097-S2 (EP-31) 96-A-894-S4 (EP-31BP)
EU-31B	Boiler #4	NA	Natural Gas	97 MMBtu/hr	

Applicable Requirements

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

The emissions from each of these emission points shall not exceed the levels specified below.

Emission Unit	Opacity	PM_{10}	Particulate Matter (PM)	Sulfur Dioxide (SO_2)	Nitrogen Oxides (NO_x)	Authority for Requirement
EU-31A	40% (1)	0.90 lb/hr.	0.6 lb/MMBtu	500 ppmv	6.1 lb/hr., 26.7 tons/yr.	07-A-1097-S2, 96-A-894-S4, 23.3(2)"d", 23.3(2)"b", 23.3(3)"e"
EU-31B	40% (1)	0.61 lb/hr.	0.90 lb/hr., 0.03 lb/MMBtu	500 ppmv	9.0 lb/hr., 39.4 tons/yr.	07-A-1097-S2, 96-A-894-S4, 23.3(2)"d", 23.1(2)"lll", 23.3(3)"e"

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

NSPS/NESHAP Applicability

These emission points are subject to 40 CFR 60 Subparts A *General Provisions* and Dc *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units*.

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

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. These emissions units (i.e. Boiler #3 and Boiler #4) shall be limited to burning natural gas only. Prior to burning any other fuels, the permittee shall submit an application to the Iowa DNR - Air Quality Bureau to modify this permit.

A. In accordance with §60.48c(g)(2), the owner or operator shall record and maintain records of the amounts of each fuel combusted in these emission units during each month. Documentation may be in the form of fuel bills or meter readings or other records that adequately document fuel usage. Alternatively, in accordance with 60.48c(g)(3), the facility may record and maintain records on the amount of fuel delivered to be burned in all steam generating units at the facility during each calendar month.

Authority for Requirement: DNR Construction Permits 07-A-1097-S2 & 96-A-894-S4

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Emission Point	EP-31	EP-31BP
Stack Height, (ft, from the ground)	40	40
Stack Opening, (inches, dia.)	48	84
Exhaust Flow Rate (scfm)	43,500	27,270
Exhaust Temperature (°F)	130	299
Discharge Style	Vertical Unobstructed	Vertical Unobstructed
Authority for Requirement	07-A-1097-S2	96-A-894-S4

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

Monitoring Requirements

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

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

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

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

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: EP-114

Associated Equipment

Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
EU-114	Boiler #5	Low NOx Burners (CE 114)	Natural Gas	120.3 MMBtu/hr	15-A-569

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40 % [(1)]
Authority for Requirement: DNR Construction Permit 15-A-569
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.6 lb/MMBtu
Authority for Requirement: 567 IAC 23.3(2)"b"

Pollutant: Nitrogen Oxides (NOx)
Emission Limit(s): 9.0 lb/hr., 0.10 lb/MMBtu
Authority for Requirement: 567 IAC 23.1(2)"ccc"
DNR Construction Permit 15-A-569

Pollutant: Carbon Monoxide (CO)
Emission Limit(s): 22.6 lb/hr
Authority for Requirement: 567 IAC 23.3(2)"a"
DNR Construction Permit 15-A-569

NSPS/NESHAP Applicability

This emission point is subject to 40 CFR 60 Subpart Db *Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units*.

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

Operational Limits & Requirements

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

Operating Limits

Operating limits for this emission unit shall be:

A. This unit is limited to burning natural gas only.

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. These records shall show the following:

A. As required by 40 CFR 60.48b(d), the owner or operator shall record the type and amount of each fuel consumed in this unit each day.

Continuous Emission Monitoring

A continuous emissions monitor measuring NOx shall be installed, calibrated, and operated in accordance with the requirements of 40 CFR 60.48b. Additionally, monitoring for compliance with the pound per hour limits in this permit shall be conducted in accordance with Performance Specification 6 (40 CFR 60 Appendix B).

Authority for Requirement: DNR Construction Permit 15-A-569

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

Stack Height, (ft, from the ground): 80
Stack Opening, (inches, dia.): 48
Exhaust Flow Rate (scfm): 28,400
Exhaust Temperature (°F): 317
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 15-A-569

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

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

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

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

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

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: EP-33

Associated Equipment

Emission Unit	Emission Unit Description	Control Equipment		Raw Material	Rated Capacity	Construction Permit
TK-2622B	North Plant E-2 Cyclonaire Surge Hopper	None	FL-2615B: Baghouse	Specialty Chemical	1.5 tons/hr	05-A-309-S3
VS-2620B	North Plant E-2 Cyclonaire Transfer Vessel	None			1.5 tons/hr	
DY-2611B	North Plant E-2 Dryer	CY-2613B Cyclone			3.0 tons/hr	
TK-2641C	North Plant E-2 Granulator Hopper	None			1.5 tons/hr	

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40 % (1)
Authority for Requirement: DNR Construction Permit 05-A-309-S3
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM_{10})
Emission Limit(s): 1.71 lb/hr.
Authority for Requirement: DNR Construction Permit 05-A-309-S3

Pollutant: Particulate Matter (PM)
Emission Limit(s): 1.83 lb/hr., 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 05-A-309-S3
567 IAC 23.3(2)"a"

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 0.87 lb/hr.
Authority for Requirement: DNR Construction Permit 05-A-309-S3

NSPS/NESHAP Applicability

This emission point is subject to 40 CFR 63 Subparts A *General Provisions*, VVVVVV *National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources*, and DDDDDDD *National Emission Standards for Hazardous Air Pollutants for Area Sources: Prepared Feeds Manufacturing*.

Authority for Requirement: DNR Construction Permit 05-A-309-S3

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 average hourly production rate of the North Plant E-2 Dryer (DY-2611B) shall not exceed 3.0 tons per hour (tons/hr) calculated on a daily basis. The facility shall calculate and record the average hourly production rate (tons/hr) of the North Plant E-2 Dryer (DY-2611B):
   (1) The facility shall record the amount of product produced by DY-2611B, in pounds, on a daily basis;
   (2) The facility shall record the hours of operation for DY-2611B, on a daily basis. The hours of operation for the process is defined as the amount of time the Baghouse (FL-2615B) operates; and,
   (3) The facility shall calculate and record on a daily basis the average hourly production rate (tons/hr) for DY-2611B based on the daily amount of product produced and daily hours of operation.

B. The owner or operator shall operate and maintain the Baghouse (FL-2615B) and Cyclone (CY-2613B) according to the manufacturer's specifications and maintenance schedule. The facility shall maintain a log of all maintenance and inspection activities performed on the control equipment. This log shall include, but is not limited to:
   (1) The date and time any inspection and/or maintenance was performed on the control equipment;
   (2) Any issues identified during the inspection and the date each issue was resolved; and,
   (3) Any issues identified during the maintenance activities and the date each issue was resolved.

C. The differential pressure drop across the Baghouse (FL-2615B) shall be maintained between 0.5 and 8 inches water column.
   (1) The owner or operator shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emission units are in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manuals.
   (2) The owner or operator shall record the pressure drop across the baghouse on a daily basis. This requirement shall not apply on the days that the process is not in operation.
   (3) If the pressure drop across the baghouse falls outside the range specified in

Construction Permit Condition 5.C., the owner or operator shall investigate the baghouse and make the necessary corrections. The owner or operator shall maintain a record of all corrective actions taken.

D. Prior to the use of any new input material in this process, the Safety Data Sheet (SDS) for the material shall be reviewed through the management of change (MOC) process for VOC and HAP constituents. If VOC or HAP are present, the owner or operator shall supply product information to the Department for review and approval. This data shall include, but is not limited to:
   (1) A description of the new input material:
   (2) A Safety Data Sheet (SDS) for the new input material; and,
   (3) Calculations showing the potential VOC, single HAP, and total HAP emissions from this emission point (EP-33) with the new material.

Authority for Requirement: DNR Construction Permit 05-A-309-S3

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 106
Stack Opening, (inches, dia.): 24
Exhaust Flow Rate (scfm): 8,760
Exhaust Temperature (°F): 230
Discharge Style: Vertical, Unobstructed
Authority for Requirement: DNR Construction Permit 05-A-309-S3

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

Monitoring Requirements

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

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

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

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☒ **No** ☐
(Required for CY-2613B & FL-2615B) See Appendix C

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: EP-38

Associated Equipment

Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
EU-38	Salt Tank	S-6701:Bag Filter	Salt	6 tons/hr.	02-A-620-S4

Applicable Requirements

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

Pollutant: Opacity
Emission Limit(s): No Visible Emissions
Authority for Requirement: DNR Construction Permit 02-A-620-S4
567 IAC 23.3(2)"d"

Pollutant: Particulate Matter (PM_{10})
Emission Limit(s): 0.56 lb/hr.
Authority for Requirement: DNR Construction Permit 02-A-620-S4

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 02-A-620-S4
567 IAC 23.3(2)"a"

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

Stack Height, (ft, from the ground): 4
Stack Opening, (inches, dia.): 8
Exhaust Flow Rate (scfm): 650
Exhaust Temperature (°F): 70
Discharge Style: Downward
Authority for Requirement: DNR Construction Permit 02-A-620-S4

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

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

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

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

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

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

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

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

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: EP-39

Associated Equipment

Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
CV-2647B	NP Bucket Elevator	CE FL-2615C: Baghouse	Amino Acid	1.5 ton/hr	07-A-727-S4
SC-2649B	NP Rotex Sifter	CE FL-2615C: Baghouse		1.5 ton/hr	
DY-2611C	NP E3 Dryer	CE CY-2613C: Cyclone CE FL-2615C: Baghouse		1.1 ton/hr	
TK-2641B	NP Granulator Feed Tank	CE FL-2615C: Baghouse		1.5 ton/hr	
TK-2622C	NP Granulator B Dust Receiving Tank	CE FL-2615C: Baghouse		0.5 ton/hr	
CV-2617C2	NP Cablevey Turnaround	CE FL-2615C: Baghouse		1.5 ton/hr	
TK-2603C	NP Feed Hopper	CE CY-2613C: Cyclone CE FL-2615C: Baghouse		1.1 ton/hr	

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40 % (1)
Authority for Requirement: DNR Construction Permit 07-A-727-S4
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM)
Emission Limit(s): 1.39 lb/hr., 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 07-A-727-S4
567 IAC 23.3(2)"a"

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 0.5 lb/hr.
Authority for Requirement: DNR Construction Permit 07-A-727-S4

NSPS/NESHAP Applicability

This emission point is subject to 40 CFR 63 Subpart DDDDDDD *National Emission Standards for Hazardous Air Pollutants for Area Sources: Prepared Feeds Manufacturing, and VVVVVV National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources*. The facility is required to perform all of the applicable housekeeping, monitoring, testing, recordkeeping, and reporting (40 CFR §63.11621 – §63.11624).

Authority for Requirement: 40 CFR 63 Subpart DDDDDDD
40 CFR 64 Subpart VVVVVV

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 average hourly production rate of the North Plant E3 Dryer (EU-DY-2611C) shall not exceed 1.1 tons per hour (tons/hr) calculated on a daily basis. The facility shall calculate and record the average hourly production rate (tons/hr) of the North Plant E3 Dryer (EU-DY-2611C):
    (1) The facility shall record the amount of product produced by EU-DY-2611C, in pounds, on a daily basis;
    (2) The facility shall record the hours of operation for EU-DY-2611C, on a daily basis. The hours of operation for the process is defined as the amount of time the Baghouse (CE-FL-2615C) operates; And,
    (3) The facility shall calculate and record on a daily basis the average hourly production rate (tons/hr) for EU-DY-2611C based on the daily amount of product produced and daily hours of operation.
B. The owner or operator shall operate, inspect and maintain all the equipment associated with the process, Baghouse (CE-FL-2615C), and Cyclone (CE-CY-2613C) in accordance with manufacturer's specifications and maintenance schedule. The owner or operator shall maintain a record of all inspections, maintenance activities, and any actions resulting from the inspection or maintenance of the Baghouse (CE-FL-2615C) and Cyclone (CE-CY-2613C).
C. The differential pressure drop across the Baghouse (CE-FL-2615C) shall be maintained between 0.5 and 8 inches water column during normal operating conditions.
D. The owner or operator shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer’s recommendations, instructions, and operating manual(s). The owner or operator shall record the pressure drop across the baghouse on a daily basis. If the pressure drop across the baghouse falls outside the range specified in Condition 5.C., the owner or operator shall investigate the baghouse and make the necessary corrections. The owner or operator shall maintain a record of all corrective actions taken. This requirement shall not apply on the days that the process is not in operation.

E. Prior to the use of any new input material in this process, the Safety Data Sheet (SDS) for the material shall be reviewed through the management of change (MOC) process for VOC and HAP constituents. If VOC or HAP are present, the owner or operator shall supply product information to the Department for review and approval. This data shall include, but is not limited to:
   (1) A description of the new input material:
   (2) A Safety Data Sheet (SDS) for the new input material; And,
   (3) Calculations showing the potential VOC, single HAP, and total HAP emissions from this emission point (EP-39) with the new material.

Authority for Requirement: DNR Construction Permit 07-A-727-S4

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 125
Stack Opening, (inches, dia.): 24
Exhaust Flow Rate (scfm): 7,300
Exhaust Temperature (°F): 210
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 07-A-727-S4

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

Monitoring Requirements

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

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

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

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☒ **No** ☐
(Required for CY-2613C & FL-2615C) See Appendix C

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: EP-41

Associated Equipment

Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity (Tons/Hr.)	Construction Permit
SC-2649C	North Plant Rotex Sifter	FL-2801B: Baghouse	Speciality Chemical	7.5	19-A-041-S1
ME-2801D	North Plant Packaging Surge Hopper			5.6	
ME-2643C	North Plant Granulator			5.6	
ME-2850	North Plant 25kg Packager			5.6	
ME-2802C	North Plant 1000kg Bagger			5.6	
TK-2705G	North Plant Product Hopper			5.83	
TK-2705H	North Plant Product Hopper			5.83	
TK-2705F	North Plant Product Hopper			3.96	
CV-2647C	North Plant Bucket Elevator			5.6	
TK-2705E	North Plant Product Hopper			5.5	

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40 % [(1)]
Authority for Requirement: DNR Construction Permit 19-A-041-S1
567 IAC 23.3(2)"d"

[(1)] An exceedance of the indicator opacity of "10%" will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the Department may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.63 lb/hr., 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 19-A-041-S1
567 IAC 23.3(2)"a"

NSPS/NESHAP Applicability

This emission point is subject to 40 CFR 63 Subpart DDDDDDD *National Emission Standards for Hazardous Air Pollutants for Area Sources: Prepared Feeds Manufacturing*. The facility is required to perform all of the applicable housekeeping, monitoring, testing, recordkeeping, and reporting (40 CFR §63.11621 – §63.11624).

Authority for Requirement: 40 CFR 63 Subpart DDDDDDD

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 operate and maintain the Baghouse (FL-2801B) according to the manufacturer's specifications and maintenance schedule. The facility shall maintain a log of all maintenance and inspection activities performed on the control equipment. This log shall include, but is not limited to:
   (1) The date and time any inspection and/or maintenance was performed on the control equipment;
   (2) Any issues identified during the inspection and the date each issue was resolved; and,
   (3) Any issues identified during the maintenance activities and the date each issue was resolved.
B. The differential pressure drop across the Baghouse (FL-2801B) shall be maintained between 0.5 and 8 inches water column.
   (1) The owner or operator shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emission units are in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manuals.
   (2) The owner or operator shall record the pressure drop across the baghouse on a daily basis. This requirement shall not apply on the days that the process is not in operation.
   (3) If the pressure drop across the baghouse falls outside the range specified in Condition 5.B., the owner or operator shall investigate the baghouse and make the necessary corrections. The owner or operator shall maintain a record of all corrective actions taken.

Authority for Requirement: DNR Construction Permit 19-A-041-S1

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

Stack Height, (ft, from the ground): 84
Stack Opening, (inches, dia.): 14
Exhaust Flow Rate (scfm): 3,700
Exhaust Temperature (°F): Ambient
Discharge Style: Horizontal
Authority for Requirement: DNR Construction Permit 19-A-041-S1

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

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

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

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: EP-45

Associated Equipment

Emission Unit	Emission Unit Description	Control Equipment		Raw Material	Rated Capacity	Construction Permit
M-2772	South Plant Bucket Elevator	None	S-2683 Baghouse	Specialty Chemical	3.5 tons/hr	13-A-010-S3
S-2773	South Plant Sifter	None			2.2 tons/hr	
T-2771A	South Plant Hopper	None			3.5 tons/hr	
D-2671	South Plant E-9 Dryer	CE S-2682: Cyclone			2.7 tons/hr	

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40 % [(1)]
Authority for Requirement: DNR Construction Permit 13-A-010-S3
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM_{10})
Emission Limit(s): 1.4 lb/hr.
Authority for Requirement: DNR Construction Permit 13-A-010-S3

Pollutant: Particulate Matter (PM)
Emission Limit(s): 1.4 lb/hr., 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 13-A-010-S3
567 IAC 23.3(2)"a"

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 0.78 lb/hr.
Authority for Requirement: DNR Construction Permit 13-A-010-S3

NSPS/NESHAP Applicability

This emission point is subject to 40 CFR 63 Subparts A *General Provisions*, VVVVVV *National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources*, and DDDDDDD *National Emission Standards for Hazardous Air Pollutants for Area Sources: Prepared Feeds Manufacturing*.

Authority for Requirement: DNR Construction Permit 13-A-010-S3

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 average hourly production rate of the South Plant E-9 Dryer (D-2671) shall not exceed 2.7 tons per hour (tons/hr) calculated on a daily basis. The facility shall calculate and record the average hourly production rate (tons/hr) of the South Plant E-9 Dryer (D-2671):
   (1) The facility shall record the amount of product produced by D-2671, in pounds, on a daily basis;
   (2) The facility shall record the hours of operation for D-2671, on a daily basis. The hours of operation for the process is defined as the amount of time the Baghouse (S-2683) operates; and,
   (3) The facility shall calculate and record on a daily basis the average hourly production rate (tons/hr) for D-2671 based on the daily amount of product produced and daily hours of operation.

B. The owner or operator shall operate and maintain the Baghouse (S-2683) and Cyclone (S-2682) according to the manufacturer's specifications and maintenance schedule. The facility shall maintain a log of all maintenance and inspection activities performed on the control equipment. This log shall include, but is not limited to:
   (1) The date and time any inspection and/or maintenance was performed on the control equipment;
   (2) Any issues identified during the inspection and the date each issue was resolved; and,
   (3) Any issues identified during the maintenance activities and the date each issue was resolved.

C. The differential pressure drop across the Baghouse (S-2683) shall be maintained between 0.5 and 8 inches water column.
   (1) The owner or operator shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emission units are in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manuals.
   (2) The owner or operator shall record the pressure drop across the baghouse on a daily basis. This requirement shall not apply on the days that the process is not in operation.
   (3) If the pressure drop across the baghouse falls outside the range specified in

Construction Permit Condition 5.C., the owner or operator shall investigate the baghouse and make the necessary corrections. The owner or operator shall maintain a record of all corrective actions taken.

D. Prior to the use of any new input material in this process, the Safety Data Sheet (SDS) for the material shall be reviewed through the management of change (MOC) process for VOC and HAP constituents. If VOC or HAP are present, the owner or operator shall supply product information to the Department for review and approval. This data shall include, but is not limited to:
   (1) A description of the new input material:
   (2) A Safety Data Sheet (SDS) for the new input material; and,
   (3) Calculations showing the potential VOC, single HAP, and total HAP emissions from this emission point (EP-45) with the new material.

Authority for Requirement: DNR Construction Permit 13-A-010-S3

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 100
Stack Opening, (inches, dia.): 28
Exhaust Flow Rate (scfm): 16,049
Exhaust Temperature (°F): 187
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 13-A-010-S3

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

Monitoring Requirements

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

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

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

Compliance Assurance Monitoring (CAM) Plan Required? **Yes** ☒ **No** ☐
(Required for S-2682 & S-2683) See Appendix C

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: EP-112

Associated Equipment

Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
DY-2741A	Amino Acid Dryer	CY-2741A Cyclone	Specialty Chemical	1.16 tons/hr	15-A-166-S3

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40 % [(1)]
Authority for Requirement: DNR Construction Permit 15-A-166-S3
567 IAC 23.3(2)"d"

[(1)] An exceedance of the indicator opacity of 10% will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the Department may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter ($PM_{2.5}$)
Emission Limit(s): 1.5 lb/hr.
Authority for Requirement: DNR Construction Permit 15-A-166-S3

Pollutant: Particulate Matter (PM_{10})
Emission Limit(s): 1.5 lb/hr.
Authority for Requirement: DNR Construction Permit 15-A-166-S3

Pollutant: Particulate Matter (PM)
Emission Limit(s): 1.5 lb/hr., 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 15-A-166-S3
567 IAC 23.3(2)"a"

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 0.34 lb/hr.
Authority for Requirement: DNR Construction Permit 15-A-166-S3

NSPS/NESHAP Applicability

This emission point is subject to 40 CFR 63 Subparts A *General Provisions*, VVVVVV *National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources*, and DDDDDDD *National Emission Standards for Hazardous Air Pollutants for Area Sources: Prepared Feeds Manufacturing*.

Authority for Requirement: DNR Construction Permit 15-A-166-S3

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 average hourly production rate of the Amino Acid Dryer (DY-2741A) shall not exceed 1.16 tons per hour (tons/hr) calculated on a daily basis. The facility shall calculate and record the average hourly production rate (tons/hr) of the Amino Acid Dryer (DY-2741A):
   (1) The facility shall record the amount of product produced by DY-2741A, in pounds, on a daily basis;
   (2) The facility shall record the hours of operation for DY-2741A, on a daily basis. The hours of operation for the process is defined as the amount of time the Cyclone (CY-2741A) operates; and,
   (3) The facility shall calculate and record on a daily basis the average hourly production rate (tons/hr) for DY-2741A based on the daily amount of product produced and daily hours of operation.

B. The owner or operator shall operate and maintain the Cyclone (CY-2741A) according to the manufacturer's specifications and maintenance schedule. The facility shall maintain a log of all maintenance and inspection activities performed on the control equipment. This log shall include, but is not limited to:
   (1) The date and time any inspection and/or maintenance was performed on the control equipment;
   (2) Any issues identified during the inspection and the date each issue was resolved; and,
   (3) Any issues identified during the maintenance activities and the date each issue was resolved.

C. The owner or operator shall install a product detection probe using conductivity as an indicator of whether product buildup in the Cyclone (CY-2741A) has approached an actionable threshold. The owner or operator shall establish an alarm setting for the purpose of initiating corrective action based on the activation of the conductivity sensor. This requirement shall not apply on the days that the Cyclone (CY-2741A) is not in operation.
   (1) The owner or operator shall properly operate and maintain equipment to monitor the activation of the conductivity sensor. The monitoring devices and any recorders shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals, or per written

facility specific operation and maintenance plan.

(2) If the conductivity sensor activates, the owner or operator shall investigate the Cyclone (CY-2741A) and make corrections to the control equipment as necessary. The owner or operator shall maintain a record of the date and time of the occurrence and any corrective actions taken.

D. Prior to the use of any new input material in this process, the Safety Data Sheet (SDS) for the material shall be reviewed through the management of change (MOC) process for VOC and HAP constituents. If VOC or HAP are present, the owner or operator shall supply product information to the Department for review and approval. This data shall include, but is not limited to:
   (1) A description of the new input material:
   (2) A Safety Data Sheet (SDS) for the new input material; and,
   (3) Calculations showing the potential VOC, single HAP, and total HAP emissions from this emission point (EP-112) with the new material.

Authority for Requirement: DNR Construction Permit 15-A-166-S3

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 97.5
Stack Opening, (inches, dia.): 22.75 x 37.6
Exhaust Flow Rate (scfm): 14,000
Exhaust Temperature (°F): 155
Discharge Style: Vertical Obstructed
Authority for Requirement: DNR Construction Permit 15-A-166-S3

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

Monitoring Requirements

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

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

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

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

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

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

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

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Numbers: EP-107 & EP-108

Associated Equipment

Emission Point	Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
EP-107	EU-107	Fire Pump G1	NA	Diesel Fuel	150 hp	NA
EP-108	EU-108	Fire Pump G2	NA	Diesel Fuel	150 hp	NA

Applicable Requirements

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

Pollutant: Opacity
Emission Limit(s): 40%
Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 2.5 lb/MMBtu
Authority for Requirement: 567 IAC 23.3(3)"b"(2)

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

Authority for Requirement: 40 CFR 63 Subpart ZZZZ

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

Process throughput:

1. No person shall allow, cause or permit the combustion of number 1 or number 2 fuel oil exceeding a sulfur content of 0.5 percent by weight.

Authority for Requirement: 567 IAC 23.3(3)"b"(1)

Reporting & Record keeping:
The following records shall be maintained on-site for five (5) years and available for inspection upon request by representatives of the Department of Natural Resources:

1. The facility shall monitor the percent of sulfur by weight in the fuel oil as delivered. The documentation may be vendor supplied or facility generated.

Authority for Requirement: 567 IAC 24.108(3)

NESHAP Requirements

Compliance Date

Per 63.6595(a)(1) you must comply with the provisions of Subpart ZZZZ that are applicable by May 3, 2013.

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

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

Operating Limits 40 CFR 63.6640(f)

1. Any operation other than emergency operation, maintenance and testing, emergency demand response and operation in non-emergency situations (*up to*) 50 hours per year is prohibited.
2. There is no time limit on the use of emergency stationary RICE in emergency situations.
3. You may operate your emergency stationary RICE up to 100 combined hours per calendar year for maintenance checks and readiness testing. See 40 CFR 63.6640(f)(2) for additional information and restrictions.
4. You may operate your emergency stationary RICE up to 50 hours per calendar year for non-emergency situations, but those 50 hours are counted toward the 100 hours of maintenance and testing and emergency demand response.

Recordkeeping Requirements 40 CFR 63.6655

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

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

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

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

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 Numbers: EP-77, EP-78 & EP-79

Associated Equipment

Emission Point	Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
EP-77	EU-77A	South Tower 1	Drift Eliminator (CE-77)	Water & Additives	3,500 Gallons/min.	17-A-528
EP-78	EU-78A	South Tower 2	Drift Eliminator (CE-78)	Water & Additives	3,500 Gallons/min.	17-A-529
EP-79	EU-79A	South Tower 3	Drift Eliminator (CE-79)	Water & Additives	3,500 Gallons/min.	17-A-530

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40 % (1)
Authority for Requirement: 567 IAC 23.3(2)"d"
DNR Construction Permits 17-A-528, 17-A-529 & 17-A-530

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

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf, 0.44 lbs/hr (2)
Authority for Requirement: 567 IAC 23.3(2)"a"(1)
DNR Construction Permits 17-A-528, 17-A-529 & 17-A-530

(2) Based on a "Total Dissolved Solids" limit of 5,000 parts per million based on weight. Note: Each cooling tower includes one (1) cell.

Operating Requirements and Associated Recordkeeping

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

A. The total dissolved solids (TDS) in the circulating water for each of the cooling towers described in this "*Collection of Air Permits*" shall not exceed 5,000 parts per million based on weight.

   i. The owner or operator shall sample the TDS concentration in the circulating water for each cooling tower once per calendar quarter using an industry standard sampling method or procedure.

   ii. The owner or operator shall maintain the following records for each TDS sampling:
      1. Test results in parts per million based on weight;
      2. Date of each measurement; and
      3. The method used to obtain each measurement.

B. The owner or operator shall not use any additives containing hazardous air pollutants, volatile organic compounds, or chromium in the circulating water for each of the cooling towers described in this "*Collection of Air Permits*."

   i. The owner or operator shall maintain Safety Data Sheets for each additive used in the circulating water for each cooling tower.

Authority for Requirement: DNR Construction Permits 17-A-528, 17-A-529 & 17-A-530

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

EP ID	Stack Height (feet, from the ground) [1]	Discharge Style [1]	Stack Outlet Dimension (inches) [1]	Exhaust Temperature (°F) [1]	Exhaust Flowrate (scfm) [1]
EP-77	34	Vertical, unobstructed	144	90	310,936
EP-78	34	Vertical, unobstructed	144	90	310,936
EP-79	34	Vertical, unobstructed	144	90	310,936

[1] Each cooling tower includes one (1) cell.

Authority for Requirement: DNR Construction Permits 17-A-528, 17-A-529 & 17-A-530

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

Monitoring Requirements

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

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

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

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

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Numbers: EP-120

Associated Equipment

Emission Point	Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
EP-120	ME-2801B	Bulk Bag Surge Hopper	Baghouse (FL-2820)	Specialty Chamicals	1.5 ton/hr	24-A-146
	ME-2802	1000kg Bulk Bagger			1.5 ton/hr	
	ME-32801	125kg Newlong Packaging Machine			1.5 ton/hr	

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40 % (1)
Authority for Requirement: 567 IAC 23.3(2)"d"
DNR Construction Permits 24-A-146

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

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf, 0.10 lbs/hr
Authority for Requirement: 567 IAC 23.3(2)"a"
DNR Construction Permits 24-A-146

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 operate and maintain the Baghouse (FL-2820) according to the manufacturer's specifications and maintenance schedule. The facility shall maintain a log of all maintenance and inspection activities performed on the control equipment. This log shall include, but is not limited to:
   (1) The date and time any inspection and/or maintenance was performed on the control equipment;
   (2) Any issues identified during the inspection and the date each issue was resolved; and,
   (3) Any issues identified during the maintenance activities and the date each issue was resolved.

B. The differential pressure drop across the Baghouse (FL-2820) shall be maintained between 0.5 and 8 inches water column.
   (1) Within 90 days of the issuance of this permit, the owner or operator shall install a continuous pressure drop monitor on Baghouse (FL-2820). The owner or operator shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emission units are in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manuals.
   (2) The owner or operator shall record the pressure drop across the baghouse on a daily basis. This requirement shall not apply on the days that the process is not in operation.
   (3) If the pressure drop across the baghouse falls outside the range specified in Construction Permit Condition 5.B., the owner or operator shall investigate the baghouse and make the necessary corrections. The owner or operator shall maintain a record of all corrective actions taken.

Authority for Requirement: DNR Construction Permits 24-A-146

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

Stack Height (feet from the ground): 50
Stack Outlet Dimensions (inches): 8
Exhaust Flowrate (scfm): 600
Exhaust Temperature (°F): Ambient
Discharge Style: Horizontal

Authority for Requirement: DNR Construction Permits 24-A-146

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

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

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

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

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

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

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

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.
Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Numbers: EP-122

Associated Equipment

Emission Point	Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
EP-122	EU-2741B	Amino Acid Dryer	Cyclone (CY-2741B)	Amino Acid	1.16 ton/hr (dry)	19-A-278-S1

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40 % (1)
Authority for Requirement: 567 IAC 23.3(2)"d"
DNR Construction Permits 19-A-278-S1

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

Pollutant: Particulate Matter ($PM_{2.5}$)
Emission Limit(s): 1.5 lb/hr.
Authority for Requirement: DNR Construction Permit 19-A-278-S1

Pollutant: Particulate Matter (PM_{10})
Emission Limit(s): 1.5 lb/hr.
Authority for Requirement: DNR Construction Permit 19-A-278-S1

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf, 1.5 lbs/hr
Authority for Requirement: 567 IAC 23.3(2)"a"
DNR Construction Permits 19-A-278-S1

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 0.34 lb/hr
Authority for Requirement: DNR Construction Permit 19-A-278-S1

NSPS/NESHAP Applicability

This emission point is subject to 40 CFR 63 Subparts A *General Provisions*, VVVVVV *National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources*, and DDDDDDD *National Emission Standards for Hazardous Air Pollutants for Area Sources: Prepared Feeds Manufacturing*.

Authority for Requirement: DNR Construction Permit 19-A-278-S1

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 average hourly production rate of the Amino Acid Dryer (DY-2741B) shall not exceed 1.16 tons per hour (tons/hr) calculated on a daily basis. The facility shall calculate and record the average hourly production rate (tons/hr) of the Amino Acid Dryer (DY-2741B):
   (1) The facility shall record the amount of product produced by DY-2741B, in pounds, on a daily basis;
   (2) The facility shall record the hours of operation for DY-2741B, on a daily basis. The hours of operation for the process is defined as the amount of time the Cyclone (CY-2741B) operates; and,
   (3) The facility shall calculate and record on a daily basis the average hourly production rate (tons/hr) for DY-2741B based on the daily amount of product produced and daily hours of operation.

B. The owner or operator shall operate and maintain the Cyclone (CY-2741B) according to the manufacturer's specifications and maintenance schedule. The facility shall maintain a log of all maintenance and inspection activities performed on the control equipment. This log shall include, but is not limited to:
   (1) The date and time any inspection and/or maintenance was performed on the control equipment;
   (2) Any issues identified during the inspection and the date each issue was resolved; and,
   (3) Any issues identified during the maintenance activities and the date each issue was resolved.

C. The owner or operator shall install a product detection probe using conductivity as an indicator of whether product buildup in the Cyclone (CY-2741B) has approached an actionable threshold. The owner or operator shall establish an alarm setting for the purpose of initiating corrective action based on the activation of the conductivity sensor. This requirement shall not apply on the days that the Cyclone (CY-2741B) is not in operation.
   (1) The owner or operator shall properly operate and maintain equipment to monitor the activation of the conductivity sensor. The monitoring devices and any recorders shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals, or per written

facility specific operation and maintenance plan.

(2) If the conductivity sensor activates, the owner or operator shall investigate the Cyclone (CY-2741B) and make corrections to the control equipment as necessary. The owner or operator shall maintain a record of the date and time of the occurrence and any corrective actions taken.

D. Prior to the use of any new input material in this process, the Safety Data Sheet (SDS) for the material shall be reviewed through the management of change (MOC) process for VOC and HAP constituents. If VOC or HAP are present, the owner or operator shall supply product information to the Department for review and approval. This data shall include, but is not limited to:

(1) A description of the new input material:
(2) A Safety Data Sheet (SDS) for the new input material; and,
(3) Calculations showing the potential VOC, single HAP, and total HAP emissions from this emission point (EP-122) with the new material.

Authority for Requirement: DNR Construction Permits 19-A-278-S1

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height (feet from the ground): 103
Stack Outlet Dimensions (inches): 22.75 x 37.6
Exhaust Flowrate (scfm): 16,800
Exhaust Temperature (°F): 155
Discharge Style: Vertical Obstructed

Authority for Requirement: DNR Construction Permits 19-A-278-S1

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

Monitoring Requirements

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

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

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

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

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

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

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

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Numbers: EP-125

Associated Equipment - North Plant Pneumatic Transfer System

Emission Point	Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
EP-125	EX-2629A	NP E-0 Cooler	Baghouse (FL-2630)	Specialty Chemicals	2.25 ton/hr	24-A-007-S1
	EX-2629C	NP E-3 Cooler			1.25 ton/hr	
	FL-2615	NP E-0 Baghouse Dropout			2.0 ton/hr	
	FL-2615C	NP E-3 Baghouse Dropout				

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40% (1)
Authority for Requirement: 567 IAC 23.3(2)"d"
DNR Construction Permits 24-A-007-S1

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

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf, 0.28 lbs/hr
Authority for Requirement: 567 IAC 23.3(2)"a"
DNR Construction Permits 24-A-007-S1

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 operate and maintain the Baghouse (FL-2630) according to the manufacturer's specifications and maintenance schedule. The facility shall maintain a log of all maintenance and inspection activities performed on the control equipment. This log shall include, but is not limited to:
   (1) The date and time any inspection and/or maintenance was performed on the control equipment;
   (2) Any issues identified during the inspection and the date each issue was resolved; and,
   (3) Any issues identified during the maintenance activities and the date each issue was resolved.
B. The differential pressure drop across the Baghouse (FL-2630) shall be maintained between 0.1 and 8 inches water column.
   (1) The owner or operator shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emission units are in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manuals.
   (2) The owner or operator shall record the pressure drop across the baghouse on a daily basis. This requirement shall not apply on the days that the process is not in operation.
   (3) If the pressure drop across the baghouse falls outside the range specified in Construction Permit Condition 5.B., the owner or operator shall investigate the baghouse and make the necessary corrections. The owner or operator shall maintain a record of all corrective actions taken.

Authority for Requirement: DNR Construction Permits 24-A-007-S1

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

Stack Height (feet from the ground): 65
Stack Outlet Dimensions (inches): 3
Exhaust Flowrate (scfm): 664
Exhaust Temperature (°F): 110
Discharge Style: Horizontal

Authority for Requirement: DNR Construction Permits 24-A-007-S1

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

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

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

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

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

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

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

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.
Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: EP-136

Associated Equipment

Emission Point	Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
EP-136	ME-1720	North Plant Ingredient Mixing	N/A	Specialty Chemicals	1.32 gal/hr	24-A-147

Applicable Requirements

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

Pollutant: Opacity
Emission Limit(s): 40%[(1)]
Authority for Requirement: DNR Construction Permit 24-A-147
567 IAC 23.3(2)"d"

[(1)]An exceedance of the indicator opacity of 10% will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the Department may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf, 0.14 lb/hr
Authority for Requirement: DNR Construction Permit 24-A-147
567 IAC 23.3(2)"a"

Pollutant: Hydrochloric Acid (HCl)
Emission Limit(s): 0.092 lb/hr
Authority for Requirement: DNR Construction Permit 24-A-147

NSPS/NESHAP Applicability
This emission point is subject to 40 CFR 63 Subparts A *General Provisions*, VVVVVV *National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources*, and DDDDDDD *National Emission Standards for Hazardous Air Pollutants for Area Sources: Prepared Feeds Manufacturing*.

Authority for Requirement: DNR Construction Permit 24-A-147

Operating Requirements with Associated Monitoring and Recordkeeping

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

NESHAP Subpart VVVVVV Requirements

A. Per 40 CFR §63.11494(d), for CMPU using only Table 1 metal HAP, the owner or operator shall comply with the requirements of §63.11495 and, if applicable, §63.11496(f).
   (1) Per 40 CFR §63.11495(d), at all times, the owner or operator must operate and maintain any affected CMPU, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator, which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the CMPU.

B. The owner or operator shall comply with the requirements of notification, reporting, and recordkeeping, as specified in 40 CFR §63.11501 when using materials containing Table 1 metal HAP.

NESHAP Subpart DDDDDDD Requirements

C. Per 40 CFR §63.11621(a), in all areas where materials containing chromium or manganese are stored, used, or handled, the owner or operator shall comply with management practices by:
   (1) Performing housekeeping measures to minimize excess dust. These measures must include, but not be limited to, the practices specified below.
      a. You must use either an industrial vacuum system or manual sweeping to reduce the amount of dust;
      b. At least once per month, you must remove dust from walls, ledges, and equipment using low pressure air or by other means, and then sweep or vacuum the area;
      c. You must keep exterior doors in the immediate affected areas shut except during normal ingress and egress, as practicable. This paragraph [40 CFR §63.11621(a)(1)(iii)] does not apply to areas where finished product is stored in closed containers, and no other materials containing chromium or manganese are present.
   (2) Maintaining and operating all process equipment in accordance with manufacturer's specifications and in a manner to minimize dust creation.
   (3) The mixer where materials containing chromium or manganese are added must be covered at all times when mixing is occurring, except when the materials are being added to the mixer. Materials containing chromium or manganese must be added to the mixer in a manner that minimizes emissions; and,

(4) The owner or operator shall keep records of the dust minimizing procedures used at the facility.

D. Per 40 CFR §63.11621(b), the owner or operator shall store any raw material containing chromium or manganese in closed containers.

E. The owner or operator shall comply with the requirements of notification, reporting and recordkeeping, as specified in 40 CFR §63.11624 when using materials containing chromium or manganese.

Authority for Requirement: DNR Construction Permit 24-A-147

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 185
Stack Opening, (inches, dia.): 12
Exhaust Flow Rate (scfm): 1,640
Exhaust Temperature (°F): 70
Discharge Style: Vertical Obstructed
Authority for Requirement: DNR Construction Permit 24-A-147

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

Monitoring Requirements

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

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

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

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

Authority for Requirement: 567 IAC 24.108(3)

Emission Point ID Number: EP-127 & 128

Associated Equipment

Emission Point	Emission Unit	Emission Unit Description	Rated Capacity	Construction Permit
EP-127	EU-127	Main Delivery Road - Paved	4.98 vmt/hr	NA
EP-128	EU-128	Fertilizer Plant Road - Unpaved	0.43 vmt/hr	NA

Applicable Requirements

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

Pollutant: Fugitive Dust
Emission Limit: No person shall allow, cause or permit 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, without taking reasonable precautions to prevent a nuisance. All persons 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.

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

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)

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). 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 B.

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"*

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"*

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)*

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)*

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)*

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)*

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)*

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 <u>except</u> 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:

Stack Test Review Coordinator
Iowa DNR, Air Quality Bureau
6200 Park Ave
Suite 200
Des Moines, IA 50321
(515) 343-6589

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

567 IAC 21.10(7)"a", 567 IAC 21.10(9)

G31. Prevention of Air Pollution Emergency Episodes

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

567 IAC 26.1(1)

G32. Contacts List

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

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

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

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

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

Field Office 1
1101 Commercial Court, Suite 10
Manchester, IA 52057
(563) 927-2640

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

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

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

Field Office 5
6200 Park Ave
Suite 200
Des Moines, IA 50321
(515) 725-0268

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

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

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

V. Appendix A: Links to Standards

40 CFR 60 Subpart A – ***General Provisions***
https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-60/subpart-A?toc=1

40 CFR 60 Subpart Db – ***Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units***
https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-60/subpart-Db

40 CFR 60 Subpart Dc - ***Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units***
https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-60/subpart-Dc

40 CFR 63 Subpart A – ***General Provisions***
https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-A

40 CFR 63 Subpart ZZZZ - ***National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines***
https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-ZZZZ

40 CFR 63 Subpart VVVVVV - ***National Emission Standards for Hazardous Air Pollutants for Chemical Manufacturing Area Sources***
https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-VVVVVV

40 CFR 63 Subpart DDDDDDD - ***National Emission Standards for Hazardous Air Pollutants for Area Sources: Prepared Feeds Manufacturing***
https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-DDDDDDD

VI. Appendix B: Executive Order 10 (EO10) Rules Crosswalk

Previous Chapter Number (Prior to 5/15/2024)	Current Chapter Number	Previous Title and Description (Prior to 5/15/2024)	Current Title and Description	Actions Taken
20	**20 (Reserved)**	Scope of Title - Definitions	N/A	**Definitions moved** to Ch. 21, 22 and 23. **Rescinded** Ch. 20. (Reserved)
21	**21**	Compliance	Compliance, Excess Emissions, and Measurement of Emissions	**Kept and combined** with rules from Chapters 24, 25, 26, and 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 Chapter 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	Fee	**Kept**
31	**31**	Nonattainment Areas	Nonattainment New Source Review	**Kept**
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**	Emissions Trading-CAIR-CAMR	N/A	**Rescinded** Ch. 34. (Reserved)
35	**N/A**	Grant Assistance Programs	N/A	**Rescinded** Ch. 35. (Reserved)

Previous Chapter Number (Prior to 5/15/2024)	Current Chapter Number	Previous Title and Description (Prior to 5/15/2024)	Current Title and Description	Actions Taken
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	
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
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
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
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	
22.6	22.6	Nonattainment area designations	Reserved	

Previous Chapter Number (Prior to 5/15/2024)	Current Chapter Number	Previous Title and Description (Prior to 5/15/2024)	Current Title and Description	Actions Taken
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
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
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
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

22.129	24.129	Information requirements for acid rain permit applications	Information requirements for acid rain permit applications	Moved from Ch. 22, no changes to rule text

Previous Chapter Number (Prior to 5/15/2024)	Current Chapter Number	Previous Title and Description (Prior to 5/15/2024)	Current Title and Description	Actions Taken
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
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
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
22.300	24.300	Operating permit by rule for small sources	Operating permit by rule for small sources	Moved from Ch. 22, no changes to rule text

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

Previous Chapter Number (Prior to 5/15/2024)	Current Chapter Number	Previous Title and Description (Prior to 5/15/2024)	Current Title and Description	Actions Taken
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
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
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
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 26Table 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
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
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)
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

Previous Chapter Number (Prior to 5/15/2024)	Current Chapter Number	Previous Title and Description (Prior to 5/15/2024)	Current Title and Description	Actions Taken
30	**30**	**Fees**	**Fee**	**Kept**
30.1	30.1	Purpose	Purpose	Kept, language updated
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

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
31.20	N/A	Special requirements for nonattainment areas designated before May 18, 1998	N/A	Rescinded and removed

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

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
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

Previous Chapter Number (Prior to 5/15/2024)	Current Chapter Number	Previous Title and Description (Prior to 5/15/2024)	Current Title and Description	Actions Taken
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
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
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

34.306	N/A	Hg allowance transfers - rescinded	N/A	Rescinded, reserved, and language removed

Previous Chapter Number (Prior to 5/15/2024)	Current Chapter Number	Previous Title and Description (Prior to 5/15/2024)	Current Title and Description	Actions Taken
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

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
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
35.16	N/A	Financial assistance denial	N/A	Rescinded, reserved, and language removed

EP 09 Compliance Assurance Monitoring (CAM) Plan
Ajinomoto Health and Nutrition North America, Inc. - AHI

Emission Unit no.:	**D-2601, M-2702, T-2704A**
Emission Unit name:	**SP E-0 Dryer, Bucket Elevator, Hopper**
Pollutant:	**PM**

Applicability

Pollutant specific emission units (PSEU) must have a CAM plan developed if the PSEU meets all of the following requirements:

1. The PSEU is located at a major source required to obtain a Title V operating permit.
2. The PSEU is subject to an emission limitation or standard for the applicable regulated air pollutant that is not exempt.
3. A control device is used to achieve compliance with the emission limitation or standard.
4. The potential uncontrolled emissions of the applicable regulated air pollutant are greater than or equal to the major source thresholds (100 tons/yr of PM_{10}, NO_x, SO_2, VOC, CO, or lead; 10 tons/yr of any HAP, or 25 tons/yr of any combination of HAPs.)
5. The PSEU is not an exempt backup utility power emissions unit.

Identification of the Emission Unit

Item	Data
Facility name:	Ajinomoto Health and Nutrition North America, Inc. - AHI
Emission unit number	D-2601, M-2702, T-2704A
Emission unit name:	SP E-0 Dryer, Bucket Elevator, Hopper
Applicable emission limit or standard:	Construction permit 84-A-111-S3
Description of the control technology 1:	Cyclone S-2612
Description of the control technology 2:	Baghouse S-2611

Indicators

Item	Data
Description of the indicator(s) to be monitored:	**Baghouse differential pressure (DPT 226)** The baghouse differential pressure indicates the degree of plugging or failure of bags in the baghouse.
Description of the indicator ranges, or the process by which indicators are to be established:	**Baghouse differential pressure (DPT 226)** A baghouse differential pressure: a signal of >8 inches of water may indicate plugged bags. A signal of <0.5" may indicate a broken bag.

Description of the Performance Criteria for Monitoring

Item	Data
Specifications for obtaining representative data:	**Baghouse differential pressure (DPT 226)** The signal will be monitored by the Delta V Distributed Control System (DCS). Readings above 8" or below 0.5" water pressure will trigger an alarm.
Quality assurance and control procedures:	**Baghouse differential pressure (DPT 226)** Baghouse differential pressure transmitters are calibrated as required by manufacturer's specifications.
Monitoring frequency:	**Baghouse differential pressure (DPT 226)** The signal is monitored continuously.
Data averaging period:	**Baghouse differential pressure (DPT 226)** A one hour average is recorded.
Recordkeeping:	**Baghouse differential pressure (DPT 276)** On an hourly basis, a 3 hour average pressure drop across baghouse (CE-2611) shall be calculated. Readings outside the compliance range will sound an alarm and will require documentation of corrective action. Records are not required on days that the baghouse is not in operation.
Recordkeeping:	Maintain baghouse and cyclone according to manufacturer's specifications and maintenance schedule. Maintain a log of all maintenance and inspection activities performed including date and time of inspection and/or maintenance, issues identified, date issue is resolved and staff member performing maintenance or inspection.

EP 10 Compliance Assurance Monitoring (CAM) Plan
Ajinomoto Health and Nutrition North America, Inc. - AHI

Emission Unit no.:	D-2651, D-2652, M-2752
Emission Unit name:	SP E-2 Dryer, SP E-2 Cooler, SP Bucket Elevator
Pollutant:	PM

Applicability

Pollutant specific emission units (PSEU) must have a CAM plan developed if the PSEU meets all of the following requirements:

1. The PSEU is located at a major source required to obtain a Title V operating permit.
2. The PSEU is subject to an emission limitation or standard for the applicable regulated air pollutant that is not exempt.
3. A control device is used to achieve compliance with the emission limitation or standard.
4. The potential uncontrolled emissions of the applicable regulated air pollutant are greater than or equal to the major source thresholds (100 tons/yr of PM_{10}, NO_x, SO_2, VOC, CO, or lead; 10 tons/yr of any HAP, or 25 tons/yr of any combination of HAPs.)
5. The PSEU is not an exempt backup utility power emissions unit.

Identification of the Emission Unit

Item	Data
Facility name:	Ajinomoto Health and Nutrition North America, Inc. - AHI
Emission unit number	D-2651, D-2652, M-2752
Emission unit name:	SP E-2 Dryer, SP E-2 Cooler, SP Bucket Elevator
Applicable emission limit or standard:	Construction permit 90-A-278-S3
Description of the control technology 1:	Cyclone S-2666
Description of the control technology 2:	Baghouse S-2661

Indicators

Item	Data
Description of the indicator(s) to be monitored:	**Baghouse differential pressure (DPT 276)** The baghouse differential pressure indicates the degree of plugging or failure of bags in the baghouse.
Description of the indicator ranges, or the process by which indicators are to be established:	**Baghouse differential pressure (DPT 276)** A baghouse differential pressure: a signal of >8 inches of water may indicate plugged bags. A signal <0.5" may indicate a broken bag.

Description of the Performance Criteria for Monitoring

Item	Data
Specifications for obtaining representative data:	**Baghouse differential pressure (DPT 276)** The signal will be monitored by the Delta V Distributed Control System (DCS). Readings above 8" or below 0.5" water pressure will trigger an alarm.
Quality assurance and control procedures:	**Baghouse differential pressure (DPT 276)** Baghouse differential pressure transmitters are calibrated as required by manufacturer's specifications.
Monitoring frequency:	**Baghouse differential pressure (DPT 276)** The signal is monitored continuously.
Data averaging period:	**Baghouse differential pressure (DPT 276)** A one hour average is recorded.
Recordkeeping:	**Baghouse differential pressure (DPT 276)** Baghouse differential pressure will be recorded at least once per day. Readings outside the compliance range for a period of 3 hours will require documentation of corrective action. Records are not required on days that the baghouse is not in operation.
Recordkeeping:	Maintain baghouse and cyclone according to manufacturer's specifications and maintenance schedule. Maintain a log of all maintenance and inspection activities performed including date and time of inspection and/or maintenance, issues identified, and date issue is resolved.

EP 14 Compliance Assurance Monitoring (CAM) Plan
Ajinomoto Health and Nutrition North America, Inc. - AHI

Emission Unit no.:	**D-2661, M-2762**
Emission Unit name:	**SP E-5 Dryer, SP Bucket Elevator**
Pollutant:	**PM**

Applicability

Pollutant specific emission units (PSEU) must have a CAM plan developed if the PSEU meets all of the following requirements:

1. The PSEU is located at a major source required to obtain a Title V operating permit.
2. The PSEU is subject to an emission limitation or standard for the applicable regulated air pollutant that is not exempt.
3. A control device is used to achieve compliance with the emission limitation or standard.
4. The potential uncontrolled emissions of the applicable regulated air pollutant are greater than or equal to the major source thresholds (100 tons/yr of PM_{10}, NO_x, SO_2, VOC, CO, or lead; 10 tons/yr of any HAP, or 25 tons/yr of any combination of HAPs.)
5. The PSEU is not an exempt backup utility power emissions unit.

Identification of the Emission Unit

Item	Data
Facility name:	Ajinomoto Health and Nutrition North America, Inc. - AHI
Emission unit number	D-2661, M-2762
Emission unit name:	SP E-5 Dryer, SP Bucket Elevator
Applicable emission limit or standard:	Construction permit 97-A-523-S2
Description of the control technology 1:	Cyclone S-2672
Description of the control technology 2:	Baghouse S-2671

Indicators

Item	Data
Description of the indicator(s) to be monitored:	**Baghouse differential pressure (DPT 286)** The baghouse differential pressure indicates the degree of plugging or failure of bags in the baghouse.
Description of the indicator ranges, or the process by which indicators are to be established:	**Baghouse differential pressure (DPT 286)** A baghouse differential pressure: a signal of >8 inches of water may indicate plugged bags. A signal of <0.5" may indicate a broken bag.

Description of the Performance Criteria for Monitoring

Item	Data
Specifications for obtaining representative data:	**Baghouse differential pressure (DPT 286)** The signal will be monitored by the Delta V Distributed Control System (DCS). Readings above 8" or below 0.5" water pressure will trigger an alarm.
Quality assurance and control procedures:	**Baghouse differential pressure (DPT 286)** Baghouse differential pressure transmitters are calibrated as required by manufacturer's specifications.
Monitoring frequency:	**Baghouse differential pressure (DPT 286)** The signal is monitored continuously.
Data averaging period:	**Baghouse differential pressure (DPT 286)** A one-hour average is recorded
Recordkeeping:	**Baghouse differential pressure (DPT 276)** Baghouse differential pressure will be recorded at least once per day. Readings outside the compliance range for a period of 3 hours will require documentation of corrective action. Records are not required on days that the baghouse is not in operation.
Recordkeeping:	Maintain baghouse and cyclone according to manufacturer's specifications and maintenance schedule. Maintain a log of all maintenance and inspection activities performed including date and time of inspection and/or maintenance, issues identified, and date issue is resolved.

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Ajinomoto Health and Nutrition North America, Inc. – AHI

Emission Unit no.:	**EU-22**
Emission Unit name:	**ET-0 Threonine Dryer**
Pollutant:	**PM (includes PM, PM_{10}, $PM_{2.5}$)**

Applicability

Pollutant specific emission units (PSEU) must have a CAM plan developed if the PSEU meets all of the following requirements:

1. The PSEU is located at a major source required to obtain a Title V operating permit.
2. The PSEU is subject to an emission limitation or standard for the applicable regulated air pollutant that is not exempt.
3. A control device is used to achieve compliance with the emission limitation or standard.
4. The potential uncontrolled emissions of the applicable regulated air pollutant are greater than or equal to the major source thresholds (100 tons/yr of PM_{10}, NO_x, SO_2, VOC, CO, or lead; 10 tons/yr of any HAP, or 25 tons/yr of any combination of HAPs.)
5. The PSEU is not an exempt backup utility power emissions unit.

Identification of the Emission Unit

Item	Data
Facility name:	Ajinomoto Health and Nutrition North America, Inc. - AHI
Emission unit number	EU-22
Emission unit name:	ET-0 Threonine dryer
Applicable emission limit or standard:	Construction permit 01-A-777-S2
Description of the control technology 1:	Cyclone CY-2613
Description of the control technology 2:	Baghouse FL-2615

Indicators

Item	Data
Description of the indicator(s) to be monitored:	**Baghouse differential pressure (2601A-PDSH18)** The baghouse differential pressure indicates the degree of plugging or failure of bags in the baghouse.
Description of the indicator ranges, or the process by which indicators are to be established:	**Baghouse differential pressure (2601A-PDSH18)** A baghouse differential pressure: a signal of >8 inches of water may indicate plugged bags. A signal <0.5" may indicate a broken bag.

Description of the Performance Criteria for Monitoring

Item	Data
Specifications for obtaining representative data:	**Baghouse differential pressure (2601A-PDSH18)** The signal will be monitored by the Delta V Distributed Control System (DCS). Readings above 8" or below 0.5" water pressure will trigger an alarm.
Quality assurance and control procedures:	**Baghouse differential pressure (2601A-PDSH18)** Baghouse differential pressure transmitters are calibrated as required by manufacturer's specifications.
Monitoring frequency[1]:	**Baghouse differential pressure (2601A-PDSH18)** The signal is monitored continuously.
Data averaging period:	**Baghouse differential pressure (2601A-PDSH18)** A one-hour average is recorded
Recordkeeping:	**Baghouse differential pressure (DPT 276)** Baghouse differential pressure will be recorded at least once per day. Readings outside the compliance range for a period of 3 hours will require documentation of corrective action. Records are not required on days that the baghouse is not in operation.
Recordkeeping:	Maintain baghouse and cyclone according to manufacturer's specifications and maintenance schedule. Maintain a log of all maintenance and inspection activities performed including date and time of inspection and/or maintenance, issues identified, and date issue is resolved.

[1] 4 times per hour (minimum) if **post**-control emissions are greater than or equal to the major source thresholds or 1 time per day (minimum) if **post**-control emission are less than the major source thresholds

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Ajinomoto Health and Nutrition North America, Inc. - AHI

Emission Unit no.:	**TK-2622B, VS-2620B, DY-2611B, TK-2641C**
Emission Unit name:	**NP E-2 Cyclonaire Surge Hopper, NP E-2 Cyclonaire Transfer Vessel, NP E-2 Dryer, NP E-2 Granulator Hopper**
Pollutant:	**PM**

Applicability

Pollutant specific emission units (PSEU) must have a CAM plan developed if the PSEU meets all of the following requirements:

1. The PSEU is located at a major source required to obtain a Title V operating permit.
2. The PSEU is subject to an emission limitation or standard for the applicable regulated air pollutant that is not exempt.
3. A control device is used to achieve compliance with the emission limitation or standard.
4. The potential uncontrolled emissions of the applicable regulated air pollutant are greater than or equal to the major source thresholds (100 tons/yr of PM_{10}, NO_x, SO_2, VOC, CO, or lead; 10 tons/yr of any HAP, or 25 tons/yr of any combination of HAPs.)
5. The PSEU is not an exempt backup utility power emissions unit.

Identification of the Emission Unit

Item	Data
Facility name:	Ajinomoto Health and Nutrition North America, Inc. - AHI
Emission unit number	TK-2622B, VS-2620B, DY-2611B, TK-2641C
Emission unit name:	NP E-2 Cyclonaire Surge Hopper, NP E-2 Cyclonaire Transfer Vessel, NP-E2 Dryer, NP E-2 Granulator Hopper
Applicable emission limit or standard:	Construction permit 05-A-309-S3
Description of the control technology 1:	Cyclone CY-2613B
Description of the control technology 2:	Baghouse FL-2615B

Indicators

Item	Data
Description of the indicator(s) to be monitored:	**Baghouse differential pressure (2601C-PDSH18)** The baghouse differential pressure indicates the degree of plugging or failure of bags in the baghouse.
Description of the indicator ranges, or the process by which indicators are to be established:	**Baghouse differential pressure (2601C-PDSH18)** A baghouse differential pressure: a signal of >8 inches of water may indicate plugged bags. A signal of <0.5" may indicate a broken bag.

Description of the Performance Criteria for Monitoring

Item	Data
Specifications for obtaining representative data:	**Baghouse differential pressure (2601C-PDSH18)** The signal will be monitored by the Delta V Distributed Control System (DCS). Readings above 8" or below 0.5" water pressure will trigger an alarm.
Quality assurance and control procedures:	**Baghouse differential pressure (2601C-PDSH18)** Baghouse differential pressure transmitters are calibrated as required by manufacturer's specifications.
Monitoring frequency:	**Baghouse differential pressure (2601C-PDSH18)** The signal is monitored continuously.
Data averaging period:	**Baghouse differential pressure (DPT 226)** A one hour average is recorded.
Recordkeeping:	**Baghouse differential pressure (DPT 276)** Baghouse differential pressure will be recorded at least once per day. Readings outside the compliance range for a period of 3 hours will require documentation of corrective action. Records are not required on days that the baghouse is not in operation.
Recordkeeping:	Maintain baghouse and cyclone according to manufacturer's specifications and maintenance schedule. Maintain a log of all maintenance and inspection activities performed including date and time of inspection and/or maintenance, issues identified, and date issue is resolved.

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Ajinomoto Health and Nutrition North America, Inc. - AHI

Emission Unit no.:	**CV-2647B, SC-2649B, DY-2611C, TK-2641B, TK-2622C, CV-2617C2, TK-2603C**
Emission Unit name:	**NP Bucket Elevator, NP Rotex Sifter, NP E3 Dryer, NP Granulator Feed Tank, NP Granulator B Dust Receiving Tank, NP Cablevey Turnaround, NP Feed Hopper**
Pollutant:	**PM**

Applicability

Pollutant specific emission units (PSEU) must have a CAM plan developed if the PSEU meets all of the following requirements:

1. The PSEU is located at a major source required to obtain a Title V operating permit.
2. The PSEU is subject to an emission limitation or standard for the applicable regulated air pollutant that is not exempt.
3. A control device is used to achieve compliance with the emission limitation or standard.
4. The potential uncontrolled emissions of the applicable regulated air pollutant are greater than or equal to the major source thresholds (100 tons/yr of PM_{10}, NO_x, SO_2, VOC, CO, or lead; 10 tons/yr of any HAP, or 25 tons/yr of any combination of HAPs.)
5. The PSEU is not an exempt backup utility power emissions unit.

Identification of the Emission Unit

Item	Data
Facility name:	Ajinomoto Health and Nutrition North America, Inc. - AHI
Emission unit number	CV-2647B, SC-2649B, DY-2611C, TK2641B, TK-2622C, CV-2617C2, TK2603C
Emission unit name:	NP Bucket Elevator, NP Rotex Sifter, NP E3 Dryer, NP Granulator Feed Tank, NP Granulator B Dust Receiving Tank, NP Cablevey Turnaround, NP Feed Hopper
Applicable emission limit or standard:	Construction permit 07-A-727-S4
Description of the control technology 1:	Cyclone CY-2613C
Description of the control technology 2:	Baghouse FL-2615C

Indicators

Item	Data
Description of the indicator(s) to be monitored:	**Baghouse differential pressure (2601E-PDSH18)** The baghouse differential pressure indicates the degree of plugging or failure of bags in the baghouse.
Description of the indicator ranges, or the process by which indicators are to be established:	**Baghouse differential pressure (2601E-PDSH18)** A baghouse differential pressure: a signal of >8 inches of water may indicate plugged bags. A signal of <0.5" may indicate a broken bag.

Description of the Performance Criteria for Monitoring

Item	Data
Specifications for obtaining representative data:	**Baghouse differential pressure (2601E-PDSH18)** The signal will be monitored by the Delta V Distributed Control System (DCS). Readings above 8" or below 0.5" water pressure will trigger an alarm.
Quality assurance and control procedures:	**Baghouse differential pressure (2601E-PDSH18)** Baghouse differential pressure transmitters are calibrated as required by manufacturer's specifications.
Monitoring frequency:	**Baghouse differential pressure (2601E-PDSH18)** The signal is monitored continuously
Data averaging period:	**Baghouse differential pressure (2601E-PDSH18)** A one hour average is recorded.
Recordkeeping:	**Baghouse differential pressure (DPT 276)** Baghouse differential pressure will be recorded at least once per day. Readings outside the compliance range for a period of 3 hours will require documentation of corrective action. Records are not required on days that the baghouse is not in operation.
Recordkeeping:	Maintain baghouse and cyclone according to manufacturer's specifications and maintenance schedule. Maintain a log of all maintenance and inspection activities performed including date and time of inspection and/or maintenance, issues identified, and date issue is resolved.

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Ajinomoto Health and Nutrition North America, Inc. - AHI

Emission Unit no.:	**M-2772, S-2773, T-2771A, D-2671**
Emission Unit name:	**SP Bucket Elevator, SP Sifter, SP Hopper, SP E-9 Dryer**
Pollutant:	**PM (includes PM, PM_{10}, $PM_{2.5}$)**

Applicability

Pollutant specific emission units (PSEU) must have a CAM plan developed if the PSEU meets all of the following requirements:

1. The PSEU is located at a major source required to obtain a Title V operating permit.
2. The PSEU is subject to an emission limitation or standard for the applicable regulated air pollutant that is not exempt.
3. A control device is used to achieve compliance with the emission limitation or standard.
4. The potential uncontrolled emissions of the applicable regulated air pollutant are greater than or equal to the major source thresholds (100 tons/yr of PM_{10}, NO_x, SO_2, VOC, CO, or lead; 10 tons/yr of any HAP, or 25 tons/yr of any combination of HAPs.)
5. The PSEU is not an exempt backup utility power emissions unit.

Identification of the Emission Unit

Item	Data
Facility name:	Ajinomoto Health and Nutrition North America, Inc. - AHI
Emission unit number	M-2772, S-2773, T-2771A, D-2671
Emission unit name:	SP Bucket Elevator, SP Sifter, SP Hopper, SP E-9 Dryer
Applicable emission limit or standard:	Construction permit 13-A-010-S3
Description of the control technology 1:	Cyclone S-2682
Description of the control technology 2:	Baghouse S-2683

Indicators

Item	Data
Description of the indicator(s) to be monitored:	**Baghouse differential pressure (DPIT 2683)** The baghouse differential pressure indicates the degree of plugging or failure of bags in the baghouse.
Description of the indicator ranges, or the process by which indicators are to be established:	**Baghouse differential pressure (DPIT 2683)** A baghouse differential pressure: a signal of >8 inches of water may indicate plugged bags. A signal of <0.5" may indicate a broken bag.

Description of the Performance Criteria for Monitoring

Item	Data
Specifications for obtaining representative data:	**Baghouse differential pressure (DPIT 2683)** The signal will be monitored by the Delta V Distributed Control System (DCS). Readings above 8" or below 0.5" water pressure will trigger an alarm.
Quality assurance and control procedures:	**Baghouse differential pressure (DPIT 2683)** Baghouse differential pressure transmitters are calibrated as required by manufacturer's specifications.
Monitoring frequency:	**Baghouse differential pressure (DPIT 2683)** The signal is monitored continuously.
Data averaging period:	**Baghouse differential pressure (DPIT 2683)** A one hour average is recorded.
Recordkeeping:	**Baghouse differential pressure (DPT 276)** Baghouse differential pressure will be recorded at least once per day. Readings outside the compliance range for a period of 3 hours will require documentation of corrective action. Records are not required on days that the baghouse is not in operation.
Recordkeeping:	Maintain baghouse and cyclone according to manufacturer's specifications and maintenance schedule. Maintain a log of all maintenance and inspection activities performed including date and time of inspection and/or maintenance, issues identified, and date issue is resolved.