

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

Name of Permitted Facility: Plymouth Energy LLC
Facility Location: 22234 K-42, Merrill, Iowa 51038
Air Quality Operating Permit Number: 13-TV-006
Expiration Date: October 6, 2018
Permit Renewal Application Deadline: April 6, 2018

EIQ Number: 92-6950
Facility File Number: 75-05-005

Responsible Official

Name: Mr. Charles Stremick
Title: Chief Operating Officer
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Permit Contact Person for the Facility

Name: Mr. Casey Cameron
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Mailing Address: 22234 K-42, Merrill, IA 51038
Phone #: (712) 938-2373

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

For the Director of the Department of Natural Resources

Lori Hanson

Supervisor of Air Operating Permits Section

Date

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Abbreviations

acfm.....	actual cubic feet per minute
CFR.....	Code of Federal Regulation
CE	control equipment
CEM.....	continuous emission monitor
°F.....	degrees Fahrenheit
EIQ.....	emissions inventory questionnaire
EP.....	emission point
EU	emission unit
gr./dscf	grains per dry standard cubic foot
gr./100 cf.....	grains per one hundred cubic feet
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
NESHAP.....	National Emission Standards for Hazardous Air Pollutants
ppmv	parts per million by volume
lb./hr.....	pounds per hour
lb./MMBtu	pounds per million British thermal units
SCC.....	Source Classification Codes
scfm.....	standard cubic feet per minute
SIC	Standard Industrial Classification
TPY.....	tons per year
USEPA.....	United States Environmental Protection Agency

Pollutants

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

I. Facility Description and Equipment List

Facility Name: Plymouth Energy LLC

Permit Number: 13-TV-006

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

Equipment List

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
EP-SV01	EU-01	Grain Truck Dump Pit	06-A-1154-S1
	EU-02	Grain Rail Dump Pit	
	EU-03	Corn Conveyor #1	
	EU-04	Corn Elevator # 1 – Headhouse & Internal Handling	
	EU-05	Corn Conveyor #2	
	EU-06	Corn Elevator #2 – Headhouse & Internal Handling	
EP-SV02	EU-08	Corn Storage Bin #1	06-A-1155-S2
	EU-41	Corn Storage Bin #2	
EP-SV05	EU-07	Scalper	06-A-1158-S1
	EU-10	Corn Surge Bin	
	EU-11	Corn Conveyor #3	
	EU-12	Hammermill #1	
	EU-13	Hammermill #2	
EP-SV16	EU-16	Batch Mash Fermenter #1	13-A-187
	EU-17	Batch Mash Fermenter #2	
	EU-18	Batch Mash Fermenter #3	
	EU-19	Beer Well	
	EU-42	Batch Mash Fermenter #4	
	EU-14	Slurry Tank	
	EU-15	Liquefaction Tank	
	EU-20	Yeast Tank	
	EU-21	Beer Stripper	
	EU-22	Side Stripper	
	EU-23	Rectifier Column	
	EU-24	Molecular Sieve	
	EU-25	Evaporator	
	EU-26	Whole Stillage Tank	
	EU-27	Centrate Stillage Tank	
	EU-28	Centrifuge #1	
	EU-29	Centrifuge #2	
	EU-30	Centrifuge #3	
	EU-31	Centrifuge #4	
	EU-32	Syrup Tank	
EU-38	200 Proof Condenser		
EU-41	Process Condensate Tank		

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
EP-SV09	EU-33	Distilled Grain Dryer	06-A-1162-S3
	EU-34	Distilled Grain Cooler	
EP-SV10	EU-35	DDGS Elevator	06-A-1163-S2
	EU-36	DDGS Truck Loadout	
	EU-37	DDGS Rail Loadout	
EP-SV11	EU-B01	Boiler #1	06-A-1164
EP-SV12	EU-B02	Boiler #2	06-A-1165
EP-SV14	EU-39	Ethanol Truck Loadout	08-A-373-S2
	EU-40	Ethanol Rail Loadout	
EP-SV15	EU-B04	Emergency Fire Pump Engine	09-A-048
EP-TK01	EU-TK01	200 Proof Ethanol Day Tank	06-A-1167-S1
EP-TK02	EU-TK02	200 Proof Ethanol Day Tank	06-A-1168-S1
EP-TK03	EU-TK03	Denaturant Storage Tank	06-A-1169-S1
EP-TK04	EU-TK04	Denatured Ethanol Storage #1	06-A-1170-S1
EP-TK05	EU-TK05	Denatured Ethanol Storage #2	06-A-1171-S1
EP-FS02	EU-FS02	Cooling Towers	06-A-1172-S2
EP-FS05	EU-FS05	VOC Emissions from Equipment Leaks	06-A-1173-S1
EP-FS06	EU-FS06	Fugitive Emissions from Paved Road	06-A-1174
EP-FS07	EU-FS07	Wet Distiller's Grain Storage and Loadout	None

II. Plant-Wide Conditions

Facility Name: Plymouth Energy LLC
Permit Number: 13-TV-006

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

Permit Duration

The term of this permit is: Five years from permit issuance.
Commencing on: October 7, 2013
Ending on: October 6, 2018

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

Emission Limits

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

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

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

Particulate Matter:

No person shall cause or allow the emission of particulate matter from any source in excess of the emission standards specified in this chapter, except as provided in 567 – Chapter 24. For sources constructed, modified or reconstructed 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, fertilizers 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.

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

40 CFR 60 Subpart A Requirements

This facility is an affected source and these General Provisions apply to the facility. The affected units are EP-SV16, EP-SV09, EP-SV11, EP-SV12, EP-SV14, EP-SV15, EP-TK01, EP-TK02, EP-TK03, EP-TK04, EP-TK05 and EP-FS05.

See Appendix for the link of the Standard.

Applicable requirements are incorporated in the Emission Point Specific conditions.

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

40 CFR 60 Subpart Dc Requirements

This facility is subject to Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units. The affected units are EP-SV11 and EP-SV12.

See Appendix for the link of the Standard.

Authority for Requirements: 40 CFR 60 Subpart Dc
567 IAC 23.1(2) "III"

40 CFR 60 Subpart Kb Requirements

This facility is subject to Standards of Performance for Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. The affected units are EP-TK01, EP-TK02, EP-TK03, EP-TK04 and EP-TK05.

See Appendix for the link of the Standard.

Authority for Requirements: 40 CFR 60 Subpart Kb
567 IAC 23.1(2) "ddd"

40 CFR 60 Subpart VVa Requirements

This facility is subject to Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006. The affected units are EP-SV16, EP-SV09, EP-SV14, EP-TK01, EP-TK02, EP-TK03, EP-TK04, EP-TK05 and EP-FS05.

See Appendix for the link of the Standard.

Authority for Requirements: 40 CFR 60 Subpart VVa
567 IAC 23.1(2) "nn"

40 CFR 60 Subpart IIII Requirements

This facility is subject to Standards of Performance for Stationary Compression Ignition Internal Combustion. The affected unit is EP-SV15.

See Appendix for the link of the Standard.

Authority for Requirements: 40 CFR 60 Subpart IIII

40 CFR 63 Subpart ZZZZ Requirements

This facility is subject to National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines (RICE NESHAP). The affected unit is EP-SV15.

See Appendix for the link of the Standard.

Authority for Requirements: 40 CFR 63 Subpart ZZZZ

III. Emission Point-Specific Conditions

Facility Name: Plymouth Energy LLC

Permit Number: 13-TV-006

Emission Point ID Number: EP-SV01

Associated Equipment

Associated Emission Unit ID Numbers: see the table below

Emissions Control Equipment ID Number: CE-01

Emissions Control Equipment Description: Baghouse

Continuous Emissions Monitors ID Numbers: None

EP	EU	Emission Unit Description	Raw Material	Rated Capacity
EP-SV01	EU-01	Grain Truck Dump Pit	Corn	20,000 bushel/hr
	EU-02	Grain Rail Dump Pit	Corn	20,000 bushel/hr
	EU-03	Corn Conveyor #1	Corn	20,000 bushel/hr
	EU-04	Corn Elevator # 1 – Headhouse & Internal Handling	Corn	20,000 bushel/hr
	EU-05	Corn Conveyor #2	Corn	20,000 bushel/hr
	EU-06	Corn Elevator #2 – Headhouse & Internal Handling	Corn	20,000 bushel/hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

Authority for Requirement: DNR Construction Permit 06-A-1154-S1
567 IAC 23.3(2) "d"

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

Pollutant: Particulate Matter (PM₁₀)

Emission Limit(s): 0.90 lb/hr

Authority for Requirement: DNR Construction Permit 06-A-1154-S1

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.90 lb/hr; 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 06-A-1154-S1
567 IAC 23.4(7)

Operational Limits & Requirements

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

Operating Limits

- A. The facility is limited to receiving 22.5 million bushels of corn per twelve-month rolling period.
- B. The facility shall maintain the baghouse (CE-01) according to manufacturer's specifications and maintenance schedule.

Reporting and Recordkeeping

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

- A. The facility shall calculate on a monthly basis the amount of grain received. The facility shall calculate and update monthly, the 12-month rolling total amount of grain received.
- B. The facility shall keep records of control equipment inspection and maintenance.

Authority for Requirement: DNR Construction Permit 06-A-1154-S1

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 93.25

Stack Opening, (inches, dia.): 32

Exhaust Flow Rate (scfm): 21,000

Exhaust Temperature (°F): Ambient

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 06-A-1154-S1

The temperature and flow rate 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 design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

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 22.108(3)

Emission Point ID Number: EP-SV02

Associated Equipment

Associated Emission Unit ID Numbers: EU-08; EU-41
Emissions Control Equipment ID Number: CE-13
Emissions Control Equipment Description: Baghouse
Continuous Emissions Monitors ID Numbers: None

EP	EU	Emission Unit Description	Raw Material	Rated Capacity
EP-SV02	EU-08	Corn Storage Bin #1	Corn	517,000 bushels
	EU-41	Corn Storage Bin #2	Corn	853,000 bushels

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

Authority for Requirement: DNR Construction Permit 06-A-1155-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 (PM₁₀)

Emission Limit(s): 0.11 lb/hr

Authority for Requirement: DNR Construction Permit 06-A-1155-S2

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.11 lb/hr; 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 06-A-1155-S2
567 IAC 23.4(7)

Operational Limits & Requirements

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

Operating Limits

- A. The Corn Bins Baghouse (CE-13) differential pressure drop shall be maintained between 0.1 and 5 inches water column.
- B. Maintain Corn Bins Baghouse (CE-13) according to manufacturer specifications and maintenance schedule.

Reporting and Recordkeeping

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

- A. The owner or operator shall collect and record the pressure drop across the Corn Bins Baghouse (CE-13), in inches of water, at least once per calendar day. If the pressure drop across the Corn Bins Baghouse (CE-13) falls outside the range specified in Item A in the section of Operating Limit, the owner or operator shall investigate Corn Bins Baghouse (CE-13) and make corrections to Corn Bins Baghouse (CE-13). The owner or operator shall maintain a record of all corrective actions taken. This requirement shall not apply on the days that the Corn Bins Baghouse (CE-13) is not in operation.
- B. Maintain a record of all inspections and maintenance and any action resulting from the inspection and maintenance of Corn Bins Baghouse (CE-13).

Authority for Requirement: DNR Construction Permit 06-A-1155-S2

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 87

Stack Opening, (inches, dia.): 10

Exhaust Flow Rate (scfm): 1,950

Exhaust Temperature (°F): Ambient

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 06-A-1155-S2

The temperature and flow rate 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 design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

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 22.108(3)

Emission Point ID Number: EP-SV05

Associated Equipment

Associated Emission Unit ID Numbers: see the table below

Emissions Control Equipment ID Number: CE-05

Emissions Control Equipment Description: Baghouse

Continuous Emissions Monitors ID Numbers: None

EP	EU	Emission Unit Description	Raw Material	Rated Capacity
EP-SV05	EU-07	Scalper	Corn	2,800 bushel/hr
	EU-10	Corn Surge Bin	Corn	9,100 bushels
	EU-11	Corn Conveyor #3	Corn	2,500 bushel/hr
	EU-12	Hammermill #1	Corn	1,400 bushel/hr
	EU-13	Hammermill #2	Corn	1,400 bushel/hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

Authority for Requirement: DNR Construction Permit 06-A-1158-S1
567 IAC 23.3(2) "d"

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

Pollutant: Particulate Matter (PM₁₀)

Emission Limit(s): 0.43 lb/hr

Authority for Requirement: DNR Construction Permit 06-A-1158-S1

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.43 lb/hr; 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 06-A-1158-S1

Operational Limits & Requirements

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

Operating Limits

- A. The facility shall maintain the baghouse (CE-05) according to manufacturer's specifications and maintenance schedule.

Reporting and Recordkeeping

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

- A. The facility shall keep records of control equipment inspection and maintenance.

Authority for Requirement: DNR Construction Permit 06-A-1158-S1

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 64.5

Stack Opening, (inches, dia.): 18

Exhaust Flow Rate (scfm): 10,000

Exhaust Temperature (°F): Ambient

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 06-A-1158-S1

The temperature and flow rate 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 design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

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 22.108(3)

Emission Point ID Number: EP-SV16

Associated Equipment

Associated Emission Unit ID Numbers: see the table below

Emissions Control Equipment ID Number: CE-07; CE-08; CE-14*

Emissions Control Equipment Description: Wet Scrubbers

Continuous Emissions Monitors ID Numbers: None

*: EU-16, EU-17, EU-18, EU-19, and EU-42 are vented through CE-07 then CE-14 and out of stack of SV16. Other units are vented through CE-08, then CE-07, then CE-14 and out of stack of SV16.

EP	EU	Emission Unit Description	Raw Material	Rated Capacity
EP-SV16	EU-16	Batch Mash Fermenter #1	Corn Mash	112.5 gal/min
	EU-17	Batch Mash Fermenter #2	Corn Mash	112.5 gal/min
	EU-18	Batch Mash Fermenter #3	Corn Mash	112.5 gal/min
	EU-19	Beer Well	Corn Mash	112.5 gal/min
	EU-42	Batch Mash Fermenter #4	Corn Mash	112.5 gal/min
	EU-14	Slurry Tank	Slurry	11,000 gallons
	EU-15	Liquefaction Tank	Fermented Beer	11,000 gallons
	EU-20	Yeast Tank	Yeast	146,000 gallons
	EU-21	Beer Stripper	Ethanol	31,000 gal/hr
	EU-22	Side Stripper	Ethanol	31,000 gal/hr
	EU-23	Rectifier Column	Ethanol	31,000 gal/hr
	EU-24	Molecular Sieve	Ethanol	31,000 gal/hr
	EU-25	Evaporator	Ethanol	31,000 gal/hr
	EU-26	Whole Stillage Tank	Whole Stillage	138,200 gallons
	EU-27	Centrate Stillage Tank	Centrate Stillage	102,000 gallons
	EU-28	Centrifuge #1	Whole Stillage	58,400 lb/hr
	EU-29	Centrifuge #2	Whole Stillage	58,400 lb/hr
	EU-30	Centrifuge #3	Whole Stillage	58,400 lb/hr
	EU-31	Centrifuge #4	Whole Stillage	58,400 lb/hr
	EU-32	Syrup Tank	Syrup	149,800 gallons
EU-38	200 Proof Condenser	Ethanol	8,000 gal/hr	
EU-41	Process Condensate Tank	Condensate	244,400 gallons	

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

Authority for Requirement: DNR Construction Permit 13-A-187
567 IAC 23.3(2) "d"

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

Pollutant: Particulate Matter (PM₁₀)
Emission Limit(s): 0.20 lb/hr
Authority for Requirement: DNR Construction Permit 13-A-187

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.20 lb/hr; 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 13-A-187

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 13.21 lb/hr
Authority for Requirement: DNR Construction Permit 13-A-187

Pollutant: Single HAP
Emission Limit(s): 1.62 lb/hr
Authority for Requirement: DNR Construction Permit 13-A-187

Pollutant: Total HAPs
Emission Limit(s): 1.86 lb/hr
Authority for Requirement: DNR Construction Permit 13-A-187

Operational Limits & Requirements

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

Operating Limits

- A. The Vent Gas Scrubber (CE-07) shall have a minimum scrubber liquid (water) flow rate which is calculated as 90 percent of the average liquid flow rate at the inlet to the wet scrubber measured during the most recent performance test demonstrating compliance with all applicable emission limitations.
- B. The Fermentation Scrubber (CE-08) shall have a minimum scrubber liquid (water) flow rate which is calculated as 90 percent of the average liquid flow rate at the inlet to the wet scrubber measured during the most recent performance test demonstrating compliance with all applicable emission limitations.
- C. The Polishing Scrubber (CE-14) shall have a minimum scrubber liquid (water) flow rate which is calculated as 90 percent of the average liquid flow rate at the inlet to the wet scrubber measured during the most recent performance test demonstrating compliance with all applicable emission limitations.
- D. The Polishing Scrubber (CE-14) shall maintain an average pressure drop across the wet scrubber that is between 1 and 8 inches water column based on a 24-hour averaging period. The facility shall establish an alarm setting for the purpose of initiating corrective action based on a pressure drop across the wet scrubber of less than 1 inch water column or a pressure drop across the wet scrubber of greater than 8 inches water column.
- E. The owner and operator shall follow the applicable standards of Subpart VVa, 40 CFR §60.480a through §60.489a.
- F. Maintain the scrubbers (CE-07, CE-08 and CE-14) according to manufacturer specifications and maintenance schedule.
- G. Any additive added to the scrubber liquid (CE-07, CE-08, and CE-14) during the compliance testing to enhance the removal efficiency of the scrubber shall be added at the same rate that it was added for the most recent accepted compliance test which demonstrated compliance with all applicable emission limitations.

Reporting and Recordkeeping

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

- A. Record the pressure drop for the Polishing Scrubber, CE-14, on a continuous basis. On those days when there is an alarm for the pressure drop reaching less than 1 inches water column or greater than 8 inches water column, calculate and record the average pressure drop across the scrubber based on a 24-hour average. This requirement shall not apply on the days that the scrubber is not in operation. If the pressure drop deviates outside the range required, then record the time, date and actions taken to correct the situation and when the pressure drop is back in the range required.
- B. Record the Vent Gas Scrubber (CE-07) liquid (water) flow rate on a continuous basis. If the flow rate deviates below the minimum flow rate, record the time, date and actions taken to correct the situation and also when the parameter is back above the minimum flow rate. All excess emission reporting shall be conducted in accordance with conditions 6 and 8 in construction permit 13-A-187.
- C. Record the Fermentation Scrubber (CE-08) liquid (water) flow rate on a continuous basis. If the flow rate deviates below the minimum flow rate, record the time, date and actions taken to correct the situation and also when the parameter is back above the minimum flow rate. All excess emission reporting shall be conducted in accordance with conditions 6 and 8 in construction permit 13-A-187.
- D. Record the Polishing Scrubber (CE-14) liquid (water) flow rate on a continuous basis. If the flow rate deviates below the minimum flow rate, record the time, date and actions taken to correct the situation and also when the parameter is back above the minimum flow rate. All excess emission reporting shall be conducted in accordance with conditions 6 and 8 in construction permit 13-A-187.
- E. The owner and operator shall keep records as required in 40 CFR §60.486a, and reports as required in 40 CFR §60.487a.
- F. Maintain a record of all inspections/maintenance and any action resulting from the inspection/maintenance of the scrubbers (CE-07, CE-08, and CE-14).
- G. If an additive to a scrubber liquid (Scrubber CE-07, CE-08, or CE-14) is used and it is continually added to the scrubber liquid, install and continually operate a strip chart or other device to continually record the additive feed rate. If an additive to the scrubber liquid is used and it is mixed with the scrubber liquid in a batch operation, record the time each batch is mixed as well as the amount of additive added to the scrubber liquid.

Authority for Requirement: DNR Construction Permit 13-A-187

NSPS and NESHAP Applicability

This emission point is subject to NSPS Subpart A – General Provisions and Subpart VVa – Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

Authority for Requirement: DNR Construction Permit 13-A-187

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

- Stack Height, (ft, from the ground): 75
- Stack Opening, (inches, dia.): 14
- Exhaust Flow Rate (scfm): 6,200
- Exhaust Temperature (°F): Ambient
- Discharge Style: Vertical Unobstructed
- Authority for Requirement: DNR Construction Permit 13-A-187

The temperature and flow rate 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 design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

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

Stack Testing:

Pollutant – VOC, Single HAP and Total HAPs

Test Method – see the table below

Pollutant	Frequency	Test Run Time	Test Method
VOC ^{(1),(2),(3),(4)}	3 years	1 hour	According to DNR approved method
Single HAP ^{(1),(2),(3),(4),(5)}	3 years	1 hour	According to DNR approved method
Total HAP ^{(1),(2), (3)}	3 years	1 hour	According to DNR approved method

⁽¹⁾ Testing of this stack shall be conducted in a manner to verify compliance with all emission limitations with all equipment operating in a worst-case scenario.

⁽²⁾ The owner shall verify compliance with the emission limitations contained in Permit Condition 10 within sixty (60) days after achieving maximum production rate and no later than one hundred eighty (180) days after the initial startup date of the proposed equipment.

⁽³⁾ Stack testing shall be conducted once every three years with a minimum of 6 months between testing. If a stack test exceeds 95% of appropriate emission limitation, then testing shall revert to annual until four consecutive tests are less than 95% of the appropriate emissions limitation.

⁽⁴⁾ VOC compliance testing may be determined using the worst case of either Method 25A or the sum of the Method 320 results.

⁽⁵⁾ Acrolein, acetaldehyde, formaldehyde and methanol shall be tested for specifically. With the exception of acrolein, acetaldehyde, formaldehyde and methanol, any HAP whose emissions are below the detection limit shall be assumed to be zero.

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 22.108(3)

Emission Point ID Number: EP-SV09

Associated Equipment

Associated Emission Unit ID Numbers: EU-33; EU-34
Emissions Control Equipment ID Number: CE-09; CE-10
Emissions Control Equipment Description: Multiclone (CE-09); Thermal Oxidizer (CE-10)
Continuous Emissions Monitors ID Numbers: None

EP	EU	Emission Unit Description	Raw Material	Rated Capacity
EP-SV09	EU-33	DDGS Dryer	Wet Distiller's Grains; Natural Gas or Process Gas	23.0 ton/hr; 95 MMBtu/hr
	EU-34	DDGS Cooler	Wet Distiller's Grains	23.0 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 06-A-1162-S3
567 IAC 23.3(2) "d"

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

Pollutant: Particulate Matter (PM₁₀)

Emission Limit(s): 6.21 lb/hr

Authority for Requirement: DNR Construction Permit 06-A-1162-S3

Pollutant: Particulate Matter (PM)

Emission Limit(s): 6.21 lb/hr; 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 06-A-1162-S3
567 IAC 23.4(7)

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 10.12 lb/hr

Authority for Requirement: DNR Construction Permit 06-A-1162-S3

Pollutant: Nitrogen Oxides (NO_x)

Emission Limit(s): 10.40 lb/hr

Authority for Requirement: DNR Construction Permit 06-A-1162-S3

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 5.30 lb/hr

Authority for Requirement: DNR Construction Permit 06-A-1162-S3

Pollutant: Carbon Monoxide (CO)
Emission Limit(s): 9.79 lb/hr
Authority for Requirement: DNR Construction Permit 06-A-1162-S3

Pollutant: Single HAP
Emission Limit(s): 0.40 lb/hr
Authority for Requirement: DNR Construction Permit 06-A-1162-S3

Pollutant: Total HAPs
Emission Limit(s): 1.30 lb/hr
Authority for Requirement: DNR Construction Permit 06-A-1162-S3

Operational Limits & Requirements

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

Operating Limits

- A. The owner or operator shall maintain a 3-hour average operating temperature of Regenerative Thermal Oxidizer (CE-10) no less than 50 degrees Fahrenheit below the average operating temperature of Regenerative Thermal Oxidizer (CE-10) recorded during the most recent performance test that demonstrated compliance with the emission limits as specified in section of Emission Limits.
- B. DDGS Dryer (EU-33) and Regenerative Thermal Oxidizer (CE-10) shall combust natural gas and/or process off-gases only.
- C. Regenerative Thermal Oxidizer (CE-10) shall be operated all times DDGS Dryer (EU-33) and DDGS Cooler (EU-34) are operated.
- D. Maintain Multi Cyclone (CE-09) and Regenerative Thermal Oxidizer (CE-10) according to manufacturer specifications and maintenance schedule.

Reporting and Recordkeeping

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

- A. The owner or operator shall keep hourly records of the operating temperature (degrees Fahrenheit) of Regenerative Thermal Oxidizer (CE-10) and record all three-hour periods (during actual operations) of the average operating temperature of Regenerative Thermal Oxidizer (CE-10).
- B. The owner or operator shall keep records of the frequency and amount of time the Regenerative Thermal Oxidizer (CE-10) malfunctions during DDGS Dryer and DDGS cooler operations and record estimates of emissions during said malfunctions. All excess emission reporting shall be conducted in accordance with conditions 6 and 8 in construction permit 06-A-1162-S3.
- C. Maintain a record of all inspections/maintenance and any action resulting from the inspection/maintenance of Multi Cyclone (CE-09) and Regenerative Thermal Oxidizer (CE-10).
- D. Maintain records of fossil fuels fired in DDGS Dryer (EU-33) and Regenerative Thermal Oxidizer (CE-10).

Authority for Requirement: DNR Construction Permit 06-A-1162-S3

NSPS and NESHAP Applicability

This emission point is subject to NSPS Subpart A – General Provisions and Subpart VVa – Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

Authority for Requirement: DNR Construction Permit 06-A-1162-S3

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 90

Stack Opening, (inches, dia.): 66

Exhaust Flow Rate (scfm): 29,000

Exhaust Temperature (°F): 335

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 06-A-1162-S3

The temperature and flow rate 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 design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

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

Stack Testing:

Pollutant – VOC, Single HAP and Total HAPs

Test Method – see the table below

Pollutant	Frequency	Test Run Time	Test Method
VOC ⁽¹⁾	3 years	1 hour	40 CFR 60, Appendix A, Method 25A and 320 ⁽²⁾
Single HAP ⁽¹⁾	3 years	1 hour	According to DNR approved method
Total HAP ⁽¹⁾	3 years	1 hour	According to DNR approved method

⁽¹⁾Plymouth Energy LLC shall conduct stack testing for VOC, total HAP, and single HAP on SV09 at least once every 36 months with a minimum of six months between testing periods. The most recent performance test shall represent emissions from EP-SV09.

⁽²⁾Method 25A shall include the Midwest Scaling Protocol adjustments.

Authority for Requirement: DNR Construction Permit 06-A-1162-S3

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 22.108(3)

Emission Point ID Number: EP-SV10

Associated Equipment

Associated Emission Unit ID Numbers: EU-35; EU-36; EU-37

Emissions Control Equipment ID Number: CE-11

Emissions Control Equipment Description: Baghouse

Continuous Emissions Monitors ID Numbers: None

EP	EU	Emission Unit Description	Raw Material	Rated Capacity
EP-SV10	EU-35	DDGS Elevator	DDGS	100.0 ton/hr
	EU-36	DDGS Truck Loadout	DDGS	100.0 ton/hr
	EU-37	DDGS Rail Loadout	DDGS	100.0 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 06-A-1163-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 (PM₁₀)

Emission Limit(s): 0.14 lb/hr

Authority for Requirement: DNR Construction Permit 06-A-1163-S2

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.14 lb/hr; 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 06-A-1163-S2
567 IAC 23.4(7)

Operational Limits & Requirements

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

Operating Limits

- A. Plymouth Energy LLC is limited to annual wet cake production of 75,000 tons per calendar year to avoid initial compliance testing for VOC and HAP emissions. Upon such time in which Plymouth Energy LLC exceeds annual wet cake production of 75,000 tons per year (wet basis), Plymouth Energy LLC is required to conduct initial compliance testing on VOC and HAP emissions from Wet Cake Production/storage. Once initial compliance threshold is exceeded, Plymouth Energy LLC is required to notify the Department within 30 days and request guidance on how initial compliance testing for VOC and HAPs shall be conducted on Wet Cake production/storage (FS-07).

- B. The DDGS Baghouse (CE-10) differential pressure drop shall be maintained between 0.1 and 5 inches water column.
- C. Maintain DDGS Baghouse (CE-10) according to manufacturer specifications and maintenance schedule.

Reporting and Recordkeeping

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

- A. The owner or operator shall record on an annual basis the amount of wet cake produced in tons, on a wet basis.
- B. The owner or operator shall collect and record the pressure drop across the DDGS Baghouse (CE-10), in inches of water, at least once per calendar day. If the pressure drop across the DDGS Baghouse (CE-10) falls outside the range specified in Item A in the section of Operating Limits, the owner or operator shall investigate DDGS Baghouse (CE-10) and make corrections to DDGS Baghouse (CE-10). The owner or operator shall maintain a record of all corrective actions taken. This requirement shall not apply on the days that the DDGS Baghouse (CE-10) is not in operation.
- C. Maintain a record of all inspections and maintenance and any action resulting from the inspection and maintenance of DDGS Baghouse (CE-10).

Authority for Requirement: DNR Construction Permit 06-A-1163-S2

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 85

Stack Opening, (inches, dia.): 13

Exhaust Flow Rate (scfm): 1,650

Exhaust Temperature (°F): Ambient

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 06-A-1163-S2

The temperature and flow rate 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 design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

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 22.108(3)

Emission Point ID Number: EP-SV11

Associated Equipment

Associated Emission Unit ID Numbers: EU-B01
Emissions Control Equipment ID Number: CE-B01
Emissions Control Equipment Description: Low NO_x Burner
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: EU-B01
Emission Unit Description: Boiler #1
Raw Material/Fuel: Natural Gas
Rated Capacity: 92.05 MMBtu/hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

Authority for Requirement: DNR Construction Permit 06-A-1164
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 (PM₁₀)

Emission Limit(s): 1.30 lb/hr

Authority for Requirement: DNR Construction Permit 06-A-1164

Pollutant: Particulate Matter (PM)

Emission Limit(s): 1.30 lb/hr; 0.030 lb/MMBtu

Authority for Requirement: DNR Construction Permit 06-A-1164
NSPS Subpart Dc
567 IAC 23.1(2) "III"

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

Authority for Requirement: 567 IAC 23.3(3) "e"

Pollutant: Nitrogen Oxides (NO_x)

Emission Limit(s): 5.60 lb/hr

Authority for Requirement: DNR Construction Permit 06-A-1164

Pollutant: Carbon Monoxide (CO)

Emission Limit(s): 3.40 lb/hr

Authority for Requirement: DNR Construction Permit 06-A-1164

Operational Limits & Requirements

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

Operating Limits

- A. Boiler #1 (EU-B01) is limited to firing on natural gas fuel only.

Reporting and Recordkeeping

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

- A. As specified in 40 CFR Part 60 §60.48c(g), the owner or operator of Boiler #1 EU-B01) shall record and maintain records of the fuels combusted during each calendar month.
- B. As specified in 40 CFR Part 60.48c(f), the owner or operator of Boiler # 1 (EU-B01) shall retain fuel supplier certification of the sulfur content of fuels fired in Boiler #1 (EU-B01).

Authority for Requirement: DNR Construction Permit 06-A-1164

NSPS and NESHAP Applicability

This boiler is subject to NSPS Subpart A – General Provisions and Subpart Dc – Standards of Performance for Small Industrial-Commercial Institutional Steam Generating Units.

Authority for Requirement: DNR Construction Permit 06-A-1164

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 45

Stack Opening, (inches, dia.): 36

Exhaust Flow Rate (scfm): 15,900

Exhaust Temperature (°F): 310

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 06-A-1164

The temperature and flow rate 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 design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-SV12

Associated Equipment

Associated Emission Unit ID Numbers: EU-B02
Emissions Control Equipment ID Number: CE-B02
Emissions Control Equipment Description: Low NO_x Burner
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: EU-B02
Emission Unit Description: Boiler #2
Raw Material/Fuel: Natural Gas
Rated Capacity: 92.05 MMBtu/hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

Authority for Requirement: DNR Construction Permit 06-A-1165
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 (PM₁₀)

Emission Limit(s): 1.30 lb/hr

Authority for Requirement: DNR Construction Permit 06-A-1165

Pollutant: Particulate Matter (PM)

Emission Limit(s): 1.30 lb/hr; 0.030 lb/MMBtu

Authority for Requirement: DNR Construction Permit 06-A-1165
NSPS Subpart Dc
567 IAC 23.1(2) "III"

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

Authority for Requirement: 567 IAC 23.3(3) "e"

Pollutant: Nitrogen Oxides (NO_x)

Emission Limit(s): 5.60 lb/hr

Authority for Requirement: DNR Construction Permit 06-A-1165

Pollutant: Carbon Monoxide (CO)

Emission Limit(s): 3.40 lb/hr

Authority for Requirement: DNR Construction Permit 06-A-1165

Operational Limits & Requirements

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

Operating Limits

- A. Boiler # 2 (EU-B02) is limited to firing on natural gas fuel only.

Reporting and Recordkeeping

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

- A. As specified in 40 CFR Part 60 §60.48c(g), the owner or operator of Boiler # 2 (EU-B02) shall record and maintain records of the fuels combusted during each calendar month.
- B. As specified in 40 CFR Part 60.48c(f), the owner or operator of Boiler #2 (EU-B02) shall retain fuel supplier certification of the sulfur content of fuels fired in Boiler #2 (EU-B02).

Authority for Requirement: DNR Construction Permit 06-A-1165

NSPS and NESHAP Applicability

This boiler is subject to NSPS Subpart A – General Provisions and Subpart Dc – Standards of Performance for Small Industrial-Commercial Institutional Steam Generating Units.

Authority for Requirement: DNR Construction Permit 06-A-1165

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 45

Stack Opening, (inches, dia.): 36

Exhaust Flow Rate (scfm): 15,900

Exhaust Temperature (°F): 310

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 06-A-1165

The temperature and flow rate 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 design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-SV14

Associated Equipment

Associated Emission Unit ID Numbers: EU-39; EU-40

Emissions Control Equipment ID Number: CE-12

Emissions Control Equipment Description: Flare

Continuous Emissions Monitors ID Numbers: None

EP	EU	Emission Unit Description	Raw Material	Rated Capacity
EP-SV14	EU-39	Ethanol Truck Loadout	Ethanol	1,000 gal/min
	EU-40	Ethanol Rail Loadout	Ethanol	410 gal/min
	CE-12	Flare	Natural Gas	2.5 MMBtu/hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

Authority for Requirement: DNR Construction Permit 08-A-373-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)

Emission Limit(s): 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 08-A-373-S2
567 IAC 23.4(7)

Pollutant: Nitrogen Oxides (NO_x)

Emission Limit(s): 4.0 ton/yr

Authority for Requirement: DNR Construction Permit 08-A-373-S2

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 7.8 ton/yr

Authority for Requirement: DNR Construction Permit 08-A-373-S2

Pollutant: Carbon Monoxide (CO)

Emission Limit(s): 8.3 ton/yr

Authority for Requirement: DNR Construction Permit 08-A-373-S2

Pollutant: Single HAP

Emission Limit(s): 0.14 ton/yr

Authority for Requirement: DNR Construction Permit 08-A-373-S2

Pollutant: Total HAPs

Emission Limit(s): 0.22 ton/yr

Authority for Requirement: DNR Construction Permit 08-A-373-S2

Operational Limits & Requirements

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

Operating Limits

- A. Plymouth Energy LLC is limited to a maximum production of 63.0 million gallons of anhydrous ethanol per twelve month rolling period.
- B. Plymouth Energy LLC is limited to loading a maximum of 129.0 million gallons of ethanol (denatured and anhydrous ethanol) per twelve month rolling period.
- C. Plymouth Energy LLC is limited to loading a maximum of 63.0 million gallons of ethanol (denatured and anhydrous ethanol) into trucks per twelve month rolling period.
- D. Plymouth Energy LLC is limited to receiving onsite a maximum of 1.5 million gallons of denaturant per twelve month rolling period.
- E. The control equipment (flare) shall be used at all times ethanol is loaded into trucks and railcars at Plymouth Energy LLC.
- F. Flare (CE-12) shall be maintained and operated according to the specifications and requirements as specified in 40 CFR Part 60 §60.18(b).

Reporting and Recordkeeping

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

- A. On a Monthly basis, the owner or operator shall keep records of the amount of ethanol produced from Plymouth Energy LLC in gallons. Calculate and record rolling 12-month totals.
- B. On a Monthly basis, the owner or operator shall keep records of the amount of ethanol loaded from Plymouth Energy LLC in gallons. Calculate and record rolling 12-month totals.
- C. On a Monthly basis, the owner or operator shall keep records of the amount of ethanol loaded into trucks from Plymouth Energy LLC in gallons. Calculate and record rolling 12-month totals.
- D. On a Monthly basis, the owner or operator shall keep records of the amount of denaturant received onsite to Plymouth Energy LLC in gallons. Calculate and record rolling 12-month totals.
- E. The owner or operator shall maintain records that Flare (CE-12) complies with the specifications and requirements as specified in 40 CFR Part 60 §60.18(b).
- F. Maintain a record of all inspections and maintenance and any action resulting from the inspection and maintenance of Flare (CE-12).

Authority for Requirement: DNR Construction Permit 08-A-373-S2

NSPS and NESHAP Applicability

This emission point is subject to NSPS Subpart A – General Provisions and Subpart VVa – Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

Authority for Requirement: DNR Construction Permit 08-A-373-S2

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 35

Stack Opening, (inches, dia.): 16

Exhaust Flow Rate (scfm): 1,400

Exhaust Temperature (°F): 1,200

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 08-A-373-S2

The temperature and flow rate 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 design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

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 22.108(3)

Emission Point ID Number: EP-SV15

Associated Equipment

Associated Emission Unit ID Numbers: EU-B04
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: NA
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: EU-B04
Emission Unit Description: Emergency Diesel Fire Pump (1475 hp)
Raw Material/Fuel: Diesel
Rated Capacity: 3.76 MMBtu/hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

Authority for Requirement: DNR Construction Permit 09-A-048
567 IAC 23.3(2) "d"

⁽¹⁾An exceedance of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM₁₀)

Emission Limit(s): 0.26 lb/hr

Authority for Requirement: DNR Construction Permit 09-A-048

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.26 lb/hr; 0.15 g/hp-hr

Authority for Requirement: DNR Construction Permit 09-A-048

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 3.02 lb/hr; 2.5 lb/MMBtu

Authority for Requirement: DNR Construction Permit 09-A-048
567 IAC 23.3(3) "b" (2)

Pollutant: Nitrogen Oxides (NO_x)

Emission Limit(s): 15.69 lb/hr

Authority for Requirement: DNR Construction Permit 09-A-048

Pollutant: NMHC+NO_x

Emission Limit(s): 4.8 lb/hp-hr

Authority for Requirement: DNR Construction Permit 09-A-048

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 3.64 lb/hr

Authority for Requirement: DNR Construction Permit 09-A-048

Pollutant: Carbon Monoxide (CO)

Emission Limit(s): 2.44 lb/hr

Authority for Requirement: DNR Construction Permit 09-A-048

Operational Limits & Requirements

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

Operating Limits

- A. This emission unit, EU-B04, shall operate only in emergency situations or for routine maintenance and testing.
- B. This emission unit, EU-B04, shall not operate more than 100 hours per rolling twelve-month period.
- C. Per 40 CFR§60.4211, emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine for a maximum of 100 hours per year. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency ICE beyond 100 hours per year.
- D. This emission unit, EU-B04, shall be limited to using diesel fuel with a maximum sulfur content not to exceed 0.5% by weight.
- E. Beginning October 1, 2007, diesel fuel fired in this generator shall be limited to a maximum sulfur content of 500 ppm and a minimum cetane index of 40 or a maximum aromatic content of 30 percent by volume per 40 CFR§80.510(a).
- F. Beginning October 1, 2010, diesel fuel fired in this generator shall be limited to a maximum sulfur content of 15 ppm and a minimum cetane index of 40 or a maximum aromatic content of 30 percent by volume per 40 CFR§80.510(b).
- G. Per 40 CFR§60.4207, owners and operators of pre-2011 model year diesel generators subject to NSPS Subpart III may petition the Administrator for approval to use remaining non-compliant fuel that does not meet the fuel requirements of 40 CFR§80.510(a) or CFR§80.510(b) beyond the dates required, for the purpose of using up existing fuel inventories.

Reporting and Recordkeeping

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

- A. The owner or operator of this emission unit, EU-B04, shall install a non-resettable hour meter prior to startup of the engine per 40 CFR§60.4209.
- B. Record each month the total hours of operation for this emission unit, EU-B04, and the reason the generator was operated. Calculate and record rolling twelve-month totals.
- C. Maintain records of the sulfur content of the fuel oil utilized in this emission unit, EU-B04.
- D. The owner or operator of this emission unit shall follow the monitoring requirements of 40 CFR§60.4209.

- E. The owner or operator of this emission unit shall follow the compliance requirements of 40 CFR§60.4211.
- F. The owner or operator of this emission unit, EU-B04, shall follow the notification, reporting, and recordkeeping requirements of 40 CFR§60.4214(b).

Authority for Requirement: DNR Construction Permit 09-A-048

NSPS and NESHAP Applicability

This emission point is subject to New Source Performance Standards NSPS Subpart III – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

Authority for Requirement: 40 CFR Part 60 Subpart III

This emission point is subject to National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines (RICE NESHAP).

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 8.25

Stack Opening, (inches, dia.): 8

Exhaust Flow Rate (scfm): 1,700

Exhaust Temperature (°F): 918

Discharge Style: Horizontal

Authority for Requirement: DNR Construction Permit 09-A-048

The temperature and flow rate 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 design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-TK01 and EP-TK02

Associated Equipment

Associated Emission Unit ID Numbers: EU-TK01; EU-TK02
Emissions Control Equipment ID Number: CE-TK01; CE-TK02
Emissions Control Equipment Description: Internal Floating Roof
Continuous Emissions Monitors ID Numbers: None

EP	EU	Emission Unit Description	Raw Material	Rated Capacity
EP-TK01	EU-TK01	200 Proof Ethanol Storage Tank	200 Proof Ethanol	184,962 gallons
EP-TK02	EU-TK02	200 Proof Ethanol Storage Tank	200 Proof Ethanol	184,962 gallons

Applicable Requirements

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

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

Emission limits are not required at this time.

Operational Limits & Requirements

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

Operating Limits

- A. The fixed roof in combination with an internal roof shall meet the specifications as stated in 40 CFR Part 60 §60.112b(a)(1).

Reporting and Recordkeeping

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

- A. Record and report as specified in 40 CFR Part 60 §60.115b(a) "Reporting and recordkeeping requirements".
- B. Record as specified in 40 CFR Part 60 §60.116b(a), the owner or operator shall keep copies of all records required by §60.11b(b) for the life of the source.
- C. Record as specified in 40 CFR Part 60 §60.116b(b), the owner or operator shall keep readily accessible records showing the dimension of the storage vessel and analysis showing the capacity of the vessel.
- D. As specified in 40 CFR Part 60 §60.116b(c), the owner or operator shall maintain a record of the volume stored, the period of storage, and the maximum true vapor pressure of that volume during the respective storage period.
- E. Record annually, the net material throughput in gallons.

Authority for Requirement: DNR Construction Permit 06-A-1167-S1; 06-A-1168-S1

NSPS and NESHAP Applicability

These tanks are subject to the following NSPS Subparts:

Subpart A – General Provisions

Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction, or Modification Commenced after July 23, 1984

Subpart VVa – Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

Authority for Requirement: DNR Construction Permit 06-A-1167-S1; 06-A-1168-S1

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 39.5

Stack Opening, (inches, dia.): 8

Exhaust Flow Rate (scfm): Working/Breathing Losses

Exhaust Temperature (°F): Ambient

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 06-A-1167-S1; 06-A-1168-S1

The temperature and flow rate 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 design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-TK03

Associated Equipment

Associated Emission Unit ID Numbers: EU-TK03
Emissions Control Equipment ID Number: CE-TK03
Emissions Control Equipment Description: Internal Floating Roof
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: EU-TK03
Emission Unit Description: Denaturant Storage Tank
Raw Material/Fuel: Denaturant
Rated Capacity: 63,415 gallons

Applicable Requirements

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

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

Emission limits are not required at this time.

Operational Limits & Requirements

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

Operating Limits

- A. The fixed roof in combination with an internal roof shall meet the specifications as stated in 40 CFR Part 60 §60.112b(a)(1).

Reporting and Recordkeeping

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

- A. Record and report as specified in 40 CFR Part 60 §60.115b(a) "Reporting and recordkeeping" requirements.
- B. Record as specified in 40 CFR Part 60 §60.116b(a), the owner or operator shall keep copies of all records required by §60.11b(b) for the life of the source.
- C. Record as specified in 40 CFR Part 60 §60.116b(b), the owner or operator shall keep readily accessible records showing the dimension of the storage vessel and analysis showing the capacity of the vessel.
- D. As specified in 40 CFR Part 60 §60.116b(c), the owner or operator shall maintain a record of the volume stored, the period of storage, and the maximum true vapor pressure of that volume during the respective storage period.
- E. Record annually, the net material throughput in gallons.

Authority for Requirement: DNR Construction Permit 06-A-1169-S1

NSPS and NESHAP Applicability

This tank is subject to the following NSPS subparts:

Subpart A – General Provisions

Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction, or Modification Commenced after July 23, 1984

Subpart VVa – Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

Authority for Requirement: DNR Construction Permit 06-A-1169-S1

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 33.25

Stack Opening, (inches, dia.): 6

Exhaust Flow Rate (scfm): Working/Breathing Losses

Exhaust Temperature (°F): Ambient

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 06-A-1169-S1

The temperature and flow rate 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 design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-TK04 and EP-TK05

Associated Equipment

Associated Emission Unit ID Numbers: EU-TK04; EU-TK05
Emissions Control Equipment ID Number: CE-TK04; CE-TK05
Emissions Control Equipment Description: Internal Floating Roof
Continuous Emissions Monitors ID Numbers: None

EP	EU	Emission Unit Description	Raw Material	Rated Capacity
EP-TK04	EU-TK04	Denatured Ethanol Tank	Denatured Ethanol	619,217 gallons
EP-TK05	EU-TK05	Denatured Ethanol Tank	Denatured Ethanol	619,217 gallons

Applicable Requirements

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

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

Emission limits are not required at this time.

Operational Limits & Requirements

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

Operating Limits

- A. The fixed roof in combination with an internal roof shall meet the specifications as stated in 40 CFR Part 60 §60.112b(a)(1).

Reporting and Recordkeeping

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

- A. Record and report as specified in 40 CFR Part 60 §60.115b(a) Reporting and recordkeeping requirements.
- B. Record as specified in 40 CFR Part 60 §60.116b(a), the owner or operator shall keep copies of all records required by §60.116b(b) for the life of the source.
- C. Record as specified in 40 CFR Part 60 §60.116b(b), the owner or operator shall keep readily accessible records showing the dimension of the storage vessel and analysis showing the capacity of the vessel.
- D. As specified in 40 CFR Part 60 §60.116b(c), the owner or operator shall maintain a record of the volume stored, the period of storage, and the maximum true vapor pressure of that volume during the respective storage period.
- E. Record annually, the net material throughput in gallons.

Authority for Requirement: DNR Construction Permit 06-A-1170-S1; 06-A-1171-S1

NSPS and NESHAP Applicability

These tanks are subject to the following NSPS subparts:

Subpart A – General Provisions

Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Storage Vessels) for which Construction, Reconstruction, or Modification Commenced after July 23, 1984

Subpart VVa – Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

Authority for Requirement: DNR Construction Permit 06-A-1170-S1; 06-A-1171-S1

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 44.17

Stack Opening, (inches, dia.): 8

Exhaust Flow Rate (scfm): Working/Breathing Losses

Exhaust Temperature (°F): Ambient

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 06-A-1170-S1; 06-A-1171-S1

The temperature and flow rate 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 design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-FS02

Associated Equipment

Associated Emission Unit ID Numbers: EU-FS02
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: NA
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: EU-FS02
Emission Unit Description: Cooling Tower (8 cells)
Raw Material/Fuel: Cooling Water
Rated Capacity: 20,000 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%
Authority for Requirement: 567 IAC 23.3(2) "d"

Pollutant: Particulate Matter (PM₁₀)
Emission Limit(s): 6.60 ton/yr
Authority for Requirement: DNR Construction Permit 06-A-1172-S2

Pollutant: Particulate Matter (PM)
Emission Limit(s): 6.60 ton/yr
Authority for Requirement: DNR Construction Permit 06-A-1172-S2

Operational Limits & Requirements

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

Operating Limits

- A. The Total Dissolved Solids (TDS) concentration in the cooling water shall not exceed 3,000 parts per million by weight (3,000 mg/L) for any single sampling event.
- B. The facility shall maintain the Cooling Tower (EU-FS02) according to manufacturer's specifications and maintenance schedule.
- C. Owner or operator shall not use additives in cooling water associated with Cooling Tower (EU-FS02) that contain VOCs, HAPs or chromium compounds.

Reporting and Recordkeeping

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

- A. The facility shall complete an analysis of the Total Dissolved Solids (TDS) concentration in the cooling water at least once for each calendar month Cooling Tower (EU-FS02) is in operation.
- B. The facility shall maintain a record of all inspections/maintenance and any action resulting from the inspection/maintenance of Cooling Tower (EU-FS02).

C. Retain material safety data sheets (MSDS) of all additives used in cooling water associated with Cooling Tower (EU-FS02).

Authority for Requirement: DNR Construction Permit 06-A-1172-S2

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 36.5

Stack Opening, (inches, dia.): 162 per cell

Exhaust Flow Rate (scfm): 165,025 per cell

Exhaust Temperature (°F): Ambient

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 06-A-1172-S2

The temperature and flow rate 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 design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-FS05

Associated Equipment

Associated Emission Unit ID Numbers: EU-FS05
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: NA
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: EU-FS5
Emission Unit Description: VOC Emissions from Equipment Leaks
Raw Material/Fuel: VOC Fugitive Emissions
Rated Capacity: NA

Applicable Requirements

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

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

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 6.43 ton/yr
Authority for Requirement: DNR Construction Permit 06-A-1173-S1

Pollutant: Single HAP
Emission Limit(s): 0.13 ton/yr
Authority for Requirement: DNR Construction Permit 06-A-1173-S1

Pollutant: Total HAPs
Emission Limit(s): 0.20 ton/yr
Authority for Requirement: DNR Construction Permit 06-A-1173-S1

Operational Limits & Requirements

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

Operating Limits

- A. The component count shall be documented as to the number and types of components used. Components include but are not limited to valves, pumps, compressor seals, flanges, etc. The component count shall be updated as the component count varies.
- B. The owner or operator shall follow the applicable standards of NSPS Subpart VVa, 40 CFR §60.480a through 40 CFR §60.489a.

Reporting and Recordkeeping

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

- A. Calculate and record the VOC and HAP emissions based on the documented component count. Update annualized VOC and HAP emission calculations as the component count varies. Emission factors shall be based on EPA document 453/R-95-017 entitled Protocol for Equipment Leak Emission Estimates.
- B. The owner or operator shall keep records as required in 40 CFR §60.486a, and reports as required in 40 CFR §60.487a.

Authority for Requirement: DNR Construction Permit 06-A-1173-S1

NSPS and NESHAP Applicability

This emission point is subject to NSPS Subpart A – General Provisions and Subpart VVa – Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006

Authority for Requirement: DNR Construction Permit 06-A-1173-S1

Monitoring Requirements

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-FS06

Associated Equipment

Associated Emission Unit ID Numbers: EU-FS06
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: NA
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: EU-FS6
Emission Unit Description: Fugitive Emissions from Paved Road
Raw Material/Fuel: Fugitive Dust
Rated Capacity: NA

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): No Visible Emissions

Authority for Requirement: DNR Construction Permit 06-A-1174
567 IAC 23.3(2) "c" (1)

Pollutant: Particulate Matter (PM)

Emission Limit(s): 32.80 ton/yr

Authority for Requirement: DNR Construction Permit 06-A-1174

Operational Limits & Requirements

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

Operating Limits

- A. All haul roads shall be paved prior to completion of construction/commencing operation of Plymouth Energy LLC.
- B. The speed limit shall be posted on the haul roads.
- C. Any spills on the road shall be cleaned up immediately.
- D. Truck traffic emissions on the paved road shall be controlled by water flushing and sweeping once per day except as noted in Conditions D1 through D4 as detailed below.
The water spray rate shall be a minimum of 0.23 gallons per square yard.
D1.If water flushing followed by sweeping cannot be accomplished because the ambient air temperature (as measured at the facility during daylight operating hours) will be less than 35°F (1.7°C) only sweeping is required. Water flushing and/or sweeping is not required for days of inclement weather.
D2. Water flushing and sweeping need not occur when a rain gauge located at the site indicates that at least 0.2 inches of precipitation (water equivalent) has occurred within the preceding 24-hr time period or the paved road(s) will not be used on a given day.
D3. Water flushing and sweeping need not occur if the plant does not receive any truck

traffic that day (i.e. on a weekend).

D4. Daily water flushing need not occur provided that PM emissions from haul roads do not exceed 24.60 tons per rolling 12-month period. This shall be calculated using the formula in Condition F in the Reporting and Recordkeeping of this permit. Provided emissions as calculated in Condition F remain below 24.60 tons per rolling 12-month period only daily sweeping is required. In the event that emissions exceed 24.60 tons per rolling 12-month period, Plymouth Energy LLC is required to commence daily road sweeping with daily water flushing of the haul roads. Provided PM emissions are maintained below 24.60 tons per rolling 12-month period, Plymouth Energy LLC may revert back to only daily sweeping requirement.

Reporting and Recordkeeping

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

- A. Record the frequency of sweeping performed on the haul roads. If the roads are not swept due to weather, a written record must be kept on site outlining the conditions.
- B. Performance testing on the haul road surface silt loading shall be completed on a monthly basis. For each performance test, silt loading sampling shall be done for at least 3 different locations. Performance testing shall be completed prior to water flushing and/or sweeping.
- C. The plant shall maintain a log for the haul roads that show the following:
 - C1. The silt content of the road for that month based on testing;
 - C2. The date of performance testing;
 - C3. The vehicle miles traveled (VMT) for that month;
 - C4. Each day record whether or not water flushing and sweeping was accomplished. For days w/o water flushing and/or sweeping record the circumstances (i.e. weather condition, equipment malfunction);
 - C5. The amount of water applied and the areas treated;
 - C6. The operator's initials.
- D. Silt load performance testing shall be completed monthly with the initial testing being performed within 30 days after commencing operation of Plymouth Energy LLC. Testing shall be completed prior to water flushing and/or sweeping for that day. Provided the results demonstrate compliance with the PM ton per year emission limits in the section of Emission Limits of this permit, reduced frequency of testing may be requested after 12 performance tests have been completed.
- E. The owner/operator shall record the number of trucks that load/unload material on a monthly basis.

- F. The owner or operator shall calculate and record the monthly haul road emissions according to the following formulas, which uses the equations from AP-42 Section 13.2.1, the empirical constants, assumes a mean vehicle weight of 29.0 tons and an average of 1.1 miles per truck delivery or loadout.

$$E_{PM} = 0.001258 \times \left(\frac{sL}{2}\right)^{0.65} \times V$$

Where E_{PM} = tons of PM emissions per month

sL= road surface silt loading (g/m²) for the average of three performance tests conducted for the month

V= total number of trucks (delivery of loadout) for the month

- G. The owner or operator shall update monthly the twelve-month rolling total of PM emissions by adding up the calculated monthly emissions for the previous twelve months. The plant shall notify DNR immediately if the twelve-month rolling total exceeds 32.80 tons PM.

Authority for Requirement: DNR Construction Permit 06-A-1174

Monitoring Requirements

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-FS07

Associated Equipment

Associated Emission Unit ID Numbers: EU-FS07
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: NA
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: EU-FS07
Emission Unit Description: Wet Distiller's Grain Storage and Loadout
Raw Material/Fuel: VOC Fugitive Emissions
Rated Capacity: NA

Applicable Requirements

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

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

Emission limits are not required at this time.

Operational Limits & Requirements

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

Operational limits are not required at this time.

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

IV. General Conditions

This permit is issued under the authority of the Iowa Code subsection 455B.133(8) and in accordance with 567 Iowa Administrative Code chapter 22.

G1. Duty to Comply

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

G2. Permit Expiration

1. Except as provided in 567 IAC 22.104, the expiration of this permit terminates the permittee's right to operate unless a timely and complete application has been submitted for renewal. Any testing required for renewal shall be completed before the application is submitted. *567 IAC 22.116(2)*
2. To be considered timely, the owner, operator, or designated representative (where applicable) of each source required to obtain a Title V permit shall present or mail the Air Quality Bureau, Iowa Department of Natural Resources, Air Quality Bureau, 7900 Hickman Rd, Suite #1, Windsor Heights, Iowa 50324, two copies (three if your facility is located in Linn or Polk county) of a complete permit application, at least 6 months but not more than 18 months prior to the date of permit expiration. An additional copy must also be sent to EPA Region VII, Attention: Chief of Air Permits, 11201 Renner Blvd., Lenexa, KS 66219. The application must include all emission points, emission units, air pollution control equipment, and monitoring devices at the facility. All emissions generating activities, including fugitive emissions, must be included. The definition of a complete application is as indicated in 567 IAC 22.105(2). *567 IAC 22.105*

G3. Certification Requirement for Title V Related Documents

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

G4. Annual Compliance Certification

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

G5. Semi-Annual Monitoring Report

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

G6. Annual Fee

1. The permittee is required under subrule 567 IAC 22.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
3. The following forms shall be submitted annually by March 31 documenting actual emissions for the previous calendar year.
 - a. Form 1.0 "Facility Identification";
 - b. Form 4.0 "Emissions unit-actual operations and emissions" for each emission unit;
 - c. Form 5.0 "Title V annual emissions summary/fee"; and
 - d. Part 3 "Application certification."
4. The fee shall be submitted annually by July 1. The fee shall be submitted with the following forms:
 - a. Form 1.0 "Facility Identification";
 - b. Form 5.0 "Title V annual emissions summary/fee";
 - c. Part 3 "Application certification."
5. If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.

6. Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.
7. The fee for a portable emissions unit or stationary source which operates both in Iowa and out of state shall be calculated only for emissions from the source while operating in Iowa.
8. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 22.115(1)"d".

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

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

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

G8. Duty to Provide Information

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

G9. General Maintenance and Repair Duties

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

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

G10. Recordkeeping Requirements for Compliance Monitoring

1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records, where applicable:
 - a. The date, place and time of sampling or measurements
 - b. The date the analyses were performed.
 - c. The company or entity that performed the analyses.
 - d. The analytical techniques or methods used.
 - e. The results of such analyses; and
 - f. The operating conditions as existing at the time of sampling or measurement.

- g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts.)
- 2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.
- 3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:
 - a. Comply with all terms and conditions of this permit specific to each alternative scenario.
 - b. Maintain a log at the permitted facility of the scenario under which it is operating.
 - c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 22.108(4), 567 IAC 22.108(12)*

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

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

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

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

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

G13. Hazardous Release

The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity, strength and toxicity of the substance, creates an immediate or potential danger to the public health, safety or to the environment. A verbal report shall be made to the department at (515) 281-8694 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. 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. Oral Reporting of Excess Emissions. An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 25.1(6). An oral report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 25.1(1)) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable emission standard by more than 10 percent or the applicable visible emission standard by more than 10 percent opacity. The oral report may be made 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 oral reports to the department within seven days of the onset of the upset condition, and shall include as a minimum the following:

- i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.
- ii. The estimated quantity of the excess emission.
- iii. The time and duration of the excess emission.
- iv. The cause of the excess emission.
- v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.
- vi. The steps that were taken to limit the excess emission.
- vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. *567 IAC 24.1(1)-567 IAC 24.1(4)*

3. Emergency Defense for Excess Emissions. For the purposes of this permit, an “emergency” means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include non-compliance, to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation or operator error. An emergency constitutes an affirmative defense to an action brought for non-compliance with technology based limitations if it can be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that:

- a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
- b. The facility at the time was being properly operated;
- c. During the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements of the permit; and
- d. The permittee submitted notice of the emergency to the director by certified mail within two working days of the time when the emissions limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. *567 IAC 22.108(16)*

G15. Permit Deviation Reporting Requirements

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

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

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

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

1. Off Permit Changes to a Source. Pursuant to section 502(b)(10) of the CAAA, the permittee may make changes to this installation/facility without revising this permit if:
 - a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 22.
 - b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);
 - c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);
 - d. The changes are not subject to any requirement under Title IV of the Act.
 - e. The changes comply with all applicable requirements.
 - f. For such a change, the permitted source provides to the department and the administrator by certified mail, at least 30 days in advance of the proposed change, a written notification, including the following, which must be attached to the permit by the source, the department and the administrator:
 - i. A brief description of the change within the permitted facility,
 - ii. The date on which the change will occur,
 - iii. Any change in emission as a result of that change,
 - iv. The pollutants emitted subject to the emissions trade
 - v. If the emissions trading provisions of the state implementation plan are invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.
 - vi. A description of the trading of emissions increases and decreases for the purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and
 - vii. Any permit term or condition no longer applicable as a result of the change.
2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. *567 IAC 22.110(2)*
3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 22.110(1). *567 IAC 22.110(3)*
4. The permit shield provided in subrule 22.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. *567 IAC 22.110(4)*
5. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. *567 IAC 22.108(11)*

G18. Duty to Modify a Title V Permit

1. Administrative Amendment.

- a. An administrative permit amendment is a permit revision that is required to do 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 Permit Modification.

- a. Minor permit modification procedures may be used only for those permit modifications that do any of the following:
 - i. Do not violate any applicable requirements
 - 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 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.
- b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:
 - i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs.
 - ii. The permittee's suggested draft permit
 - iii. Certification by a responsible official, pursuant to 567 IAC 22.107(4), that the proposed modification meets the criteria for use of a minor permit modification procedures and a request that such procedures be used; and
 - iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 22.107(7).

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

3. Significant Permit Modification. Significant Title V modification procedures shall be used for applications requesting Title V permit modifications that do not qualify as minor Title V modifications or as administrative amendments. These include but are not limited to all significant changes in monitoring permit terms, every relaxation of reporting or recordkeeping permit terms, and any change in the method of measuring compliance with existing requirements. Significant Title V modifications shall meet all requirements of 567 IAC Chapter 22, including those for applications, public participation, review by affected states, and review by the administrator, and those requirements that apply to Title V issuance and renewal. *567 IAC 22.111-567 IAC 22.113* The permittee shall submit an application for a significant permit modification not later than three months after commencing operation of the changed source unless the existing Title V permit would prohibit such construction or change in operation, in which event the operation of the changed source may not commence until the department revises the permit. *567 IAC 22.105(1)"a"(4)*

G19. Duty to Obtain Construction Permits

Unless exempted under 567 IAC 22.1(2), the permittee must not construct, install, reconstruct, or alter any equipment, control equipment or anaerobic lagoon without first obtaining a construction permit, conditional permit, or permit pursuant to 567 IAC 22.8, or permits required pursuant to 567 IAC 22.4 and 567 IAC 22.5. Such permits shall be obtained prior to the initiation of construction, installation or alteration of any portion of the stationary source. *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, training fires and controlled burning of a demolished building. *567 IAC 23.1(3)"a", and 567 IAC 23.2*

G21. Open Burning

The permittee is prohibited from conducting open burning, except as may be allowed by 567 IAC 23.2. *567 IAC 23.2 except 23.2(3)"j"; 567 IAC 23.2(3)"j" - State Only*

G22. Acid Rain (Title IV) Emissions Allowances

The permittee shall not exceed any allowances that it holds under Title IV of the Act or the regulations promulgated there under. Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners and operators of the unit or the designated representative of the owners and operators is prohibited. Exceedences of applicable emission rates are prohibited. "Held" in this context refers to both those allowances assigned to the owners and operators by USEPA, and those allowances supplementally acquired by the owners and operators. The use of any allowance prior to the year for which it was allocated is prohibited. Contravention of any other provision of the permit is prohibited. *567 IAC 22.108(7)*

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

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
 - a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.
 - b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.
 - c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.
 - d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.
2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:
 - a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.
 - b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.
 - c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.
 - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)
 - e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.
 - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.
3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.
4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant,
5. The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *40 CFR part 82*

G24. Permit Reopenings

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *567 IAC 22.108(9)"c"*
2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.
 - a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;
 - b. Reopening and revision on this ground is not required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to May 15, 2001.
 - c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 22.108(17)"a"*, *567 IAC 22.108(17)"b"*
3. A permit shall be reopened and revised under any of the following circumstances:
 - a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to July 21, 1992, provided that the reopening may be stayed pending judicial review of that determination;
 - b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;
 - c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.
 - d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.
 - e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. *567 IAC 22.114(1)*
4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. *567 IAC 22.114(2)*

G25. Permit Shield

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

G26. Severability

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

G27. Property Rights

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

G28. Transferability

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

G29. Disclaimer

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

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

The permittee shall notify the department's stack test contact in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor is performed to determine compliance with applicable requirements of 567 – Chapter 23 or a permit condition. For the department to consider test results a valid demonstration of compliance with applicable rules or a permit condition, such notice shall be given. 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. Unless specifically waived by the department's stack test contact, a pretest meeting shall be held not later than 15 days prior to conducting the compliance demonstration. The department may accept a testing protocol in lieu of a pretest meeting. A representative of the

department shall be permitted to witness the tests. Results of the tests shall be submitted in writing to the department's stack test contact in the form of a comprehensive report within six weeks of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which the source shall be operated. In cases where compliance is to be demonstrated at less than the maximum continuous output as rated by the equipment manufacturer, and it is the owner's intent to limit the capacity to that rating, the owner may submit evidence to the department that the source has been physically altered so that capacity cannot be exceeded, or the department may require additional testing, continuous monitoring, reports of operating levels, or any other information deemed necessary by the department to determine whether such source is in compliance.

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

Stack Test Review Coordinator
Iowa DNR, Air Quality Bureau
7900 Hickman Road, Suite #1
Windsor Heights, IA 50324
(515) 725-9545

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

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

G31. Prevention of Air Pollution Emergency Episodes

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

567 IAC 26.1(1)

G32. Contacts List

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

Chief of Air Permits
EPA Region 7
Air Permits and Compliance Branch
11201 Renner Blvd.
Lenexa, KS 66219
(913) 551-7020

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

Chief, Air Quality Bureau
Iowa Department of Natural Resources
7900 Hickman Road, Suite #1
Windsor Heights, IA 50324
(515) 725-9500

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

Field Office 1

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

Field Office 3

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

Field Office 5

401 SW 7th Street, Suite I
Des Moines, IA 50309
(515) 725-0268

Polk County Public Works Dept.

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

Field Office 2

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

Field Office 4

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

Field Office 6

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

Linn County Public Health Dept.

Air Pollution Branch
501 13th St., NW
Cedar Rapids, IA 52405
(319) 892-6000

V. Appendix

- A. 40 CFR 60 Subpart A – General Provisions
<http://www.tceq.texas.gov/permitting/air/rules/federal/60/a/ahp.html>
- B. 40 CFR 60 Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units
<http://www.tceq.texas.gov/permitting/air/rules/federal/60/dc/dchp.html>
- C. 40 CFR 60 Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984
<http://www.tceq.texas.gov/permitting/air/rules/federal/60/kb/kbhp.html>
- D. 40 CFR 60 Subpart VVa – Standards of Performance for Equipment Leaks of VOC in the Synthetic Organic Chemicals Manufacturing Industry for Which Construction, Reconstruction, or Modification Commenced After November 7, 2006
<http://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&SID=bc4c913cc779deb441f61b794bf739ec&r=SUBPART&n=40y7.0.1.1.1.63>
- E. 40 CFR 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
<http://www.gpo.gov/fdsys/pkg/FR-2013-01-30/pdf/2013-01288.pdf>
- F. 40 CFR 63 Subpart ZZZZ – National Emission Standard for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
<http://www.gpo.gov/fdsys/pkg/FR-2013-01-30/pdf/2013-01288.pdf>