

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

**Name of Permitted Facility:** Tama Paperboard, LLC.  
**Facility Location:** 117 Siegel Street  
Tama, IA 52339

**Air Quality Operating Permit Number:** 00-TV-051R3  
**Expiration Date:** March 20, 2023  
**Permit Renewal Application Deadline:** September 20, 2022

**EIQ Number:** 92-3992  
**Facility File Number:** 86-01-001

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**Responsible Official**

**Name:** Gregg Aiken  
**Title:** General Manager  
**Mailing Address:** 117 Siegel Street, Tama, IA 52339  
**Phone #:** (641) 484-2884

**Permit Contact Person for the Facility**

**Name:** Gregg Aiken  
**Title:** General Manger  
**Mailing Address:** 117 Siegel Street, Tama, IA 52339  
**Phone #:** (641) 484-2884

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

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

  
Lori Hanson, Supervisor of Air Operating Permits Section

03/21/2018  
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
DNR .....	Department of Natural Resources
EIQ.....	emissions inventory questionnaire
EP .....	emission point
EU .....	emission unit
gr/dscf .....	grains per dry standard cubic foot
IAC.....	Iowa Administrative Code
MVAC.....	motor vehicle air conditioner
NAICS.....	North American Industry Classification System
NESHAP .....	national emission standards for hazardous air pollutants
NSPS.....	new source performance standard
ppmv .....	parts per million by volume
lb/hr.....	pounds per hour
lb/MMBtu .....	pounds per million British thermal units
SCC.....	Source Classification Codes
scfm.....	standard cubic feet per minute
SIC .....	Standard Industrial Classification
TPY.....	tons per year
USEPA.....	United States Environmental Protection Agency

### Pollutants

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

# I. Facility Description and Equipment List

Facility Name: Tama Paperboard, LLC.

Permit Number: 00-TV-051R3

Facility Description: Paperboard Manufacturing (SIC 2631)

## Equipment List

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number	
S-6	10	Uhle Roll	97-A-727-S6	
S-7		Felt Section Vacuum Pump	97-A-728-S6	
S-7A		Felt Section Vacuum Pump	02-A-402-S4	
S-7B		Felt Section Vacuum Pump Exhaust	04-A-822-S4	
S-10		Paper Machine Dryer Section	97-A-732-S6	
S-11		Paper Machine Dryer Section	97-A-733-S6	
S-12		Paper Machine Dryer Section	97-A-734-S6	
S-13		Paper Machine Dryer Section	97-A-735-S6	
S-63		Calendar Stacks and Coaters Area	97-A-737-S6	
S-84		Air Knife Coater	97-A-744-S8	
S-87		Paper Machine Dryer Section	97-A-745-S6	
S-88		Paper Machine Dryer Section (Heat Exchange)	97-A-746-S6	
S-25		S-25	Coating Mix Tank Exhaust	13-A-231
S-101		S-101	Storage Tank (2,760 gal)	07-A-008-S1
S-102	S-102	Storage Tank (2,760 gal)	07-A-009-S1	
S-103	S-103	Storage Tank (5,338 gal)	07-A-010-S1	
S-104	S-104	Storage Tank (5,338 gal)	07-A-011-S1	
S-105	S-105	Storage Tank (838 gal)	07-A-012-S3	
S-54	40	Main Boiler (81 MMBtu/hr)	97-A-718-S6	
S-61	50	Auxiliary Boiler (10.50 MMBtu/hr)	97-A-717-S4	
S-72	70	Skid Shop	97-A-722-S1	
S-82	20	Top Coat Infrared Dryer	97-A-720-S2	
S-83	30	Pre-Coat Infrared Dryer	97-A-719-S2	
S-99	120	Pre-Coat Infrared Dryer	97-A-721-S2	
S-100	80	Activated Sludge System	-	
S-20	500	Emergency Fire Pump (208 bhp)	11-A-617-S1	
IA06	IA06	Gasoline Storage Tank (200 gal)	-	

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### Insignificant Activities Equipment List

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Insignificant Emission Unit Number	Insignificant Emission Unit Description
40	No. 6 Fuel Oil Tank (10,000 gallons)
IA02	Natural Gas-Fired WWTP Furnace (Less than 10 MMBtu/hr)
IA03	Natural Gas-Fired Furnace in Yard Equipment Shed (Less than 10 MMBtu/hr)
IA04	Natural Gas-Fired Space Heaters (Less than 10 MMBtu/hr)
IA05	Diesel Storage Tank (1,000 gallons)
IA08	Aqua-Ammonia Tote Exterior Vent
IA09	Process Water Chlorination
200	Unpaved Haul Roads

## II. Plant-Wide Conditions

Facility Name: Tama Paperboard, LLC.

Permit Number: 00-TV-051R3

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

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### Permit Duration

The term of this permit is: 5 years

Commencing on: March 21, 2018

Ending on: March 20, 2023

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

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### Emission Limits

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

Pollutant: Single HAP (facility-wide)

Emission Limits: 9.4 ton/year

Authority for Requirement: DNR Construction Permits 97-A-727-S6, 97-A-728-S6, 02-A-402-S4, 04-A-822-S4, 97-A-732-S6, 97-A-733-S6, 97-A-734-S6, 97-A-735-S6, 13-A-231, 97-A-737-S6, 97-A-744-S8, 97-A-745-S6, 97-A-746-S6, 07-A-008-S1, 07-A-009-S1, 07-A-010-S1, 07-A-011-S1, 07-A-012-S3

Pollutant: Total HAP (facility-wide)

Emission Limits: 24.4 ton/year

Authority for Requirement: DNR Construction Permits 97-A-727-S6, 97-A-728-S6, 02-A-402-S4, 04-A-822-S4, 97-A-732-S6, 97-A-733-S6, 97-A-734-S6, 97-A-735-S6, 13-A-231, 97-A-737-S6, 97-A-744-S8, 97-A-745-S6, 97-A-746-S6, 07-A-008-S1, 07-A-009-S1, 07-A-010-S1, 07-A-011-S1, 07-A-012-S3

Opacity (visible emissions): 40% opacity

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

Sulfur Dioxide (SO<sub>2</sub>): 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 - A person shall take reasonable precautions to prevent particulate matter from becoming airborne in quantities sufficient to cause a nuisance as defined in Iowa Code section 657.1 when the person allows, causes or permits any materials to be handled, transported or stored or a building, its appurtenances or a construction haul road to be used, constructed, altered, repaired or demolished, with the exception of farming operations or dust generated by ordinary travel on unpaved roads. Ordinary travel includes routine traffic and road maintenance activities such as scarifying, compacting, transporting road maintenance surfacing material, and scraping of the unpaved public road surface. (the preceding sentence is State Only) All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate. The public highway authority shall be responsible for taking corrective action in those cases where said authority has received complaints of or has actual knowledge of dust conditions which require abatement pursuant to this subrule. Reasonable precautions may include, but not be limited to, the following procedures.

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

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

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### III. Emission Point-Specific Conditions

Facility Name: Tama Paperboard, LLC.  
 Permit Number: 00-TV-051R2

#### Emission Point ID Numbers: See Paper Machine Table 1

Paper Machine Table 1

Emission Point Number	Emission Unit Number	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
S-6	10	Uhle Roll	-	Paper	12.50 ton/yr	97-A-727-S6
S-7		Felt Section Vacuum Pump	-	Paper	12.50 ton/yr	97-A-728-S6
S-7A		Felt Section Vacuum Pump	-	Paper	12.50 ton/yr	02-A-402-S4
S-7B		Felt Section Vacuum Pump Exhaust	-	Paper	12.50 ton/yr	04-A-822-S4
S-10		Paper Machine Dryer Section	-	Paper	12.50 ton/yr	97-A-732-S6
S-11		Paper Machine Dryer Section	-	Paper	12.50 ton/yr	97-A-733-S6
S-12		Paper Machine Dryer Section	-	Paper	12.50 ton/yr	97-A-734-S6
S-13		Paper Machine Dryer Section	-	Paper	12.50 ton/yr	97-A-735-S6
S-63		Calendar Stacks & Coaters Area	-	Paper	12.50 ton/yr	97-A-737-S6
S-84		Air Knife Coater	-	Paper	12.50 ton/yr	97-A-744-S8
S-87		Paper Machine Dryer Section	-	Paper	12.50 ton/yr	97-A-745-S6
S-88		Paper Machine Dryer Section (Heat Exchange)	-	Paper	12.50 ton/yr	97-A-746-S6
S-25		S-25	Coating Mix Tank	-	Coating Mix	800 gallons

#### Applicable Requirements

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

*The emissions from these emission points shall not exceed the following specified levels.*

Pollutant: Volatile Organic Compounds (VOC)

Emission Limits: 205 TPY <sup>(1)</sup>

Authority for Requirement: DNR Construction Permits 97-A-727-S6, 97-A-728-S6, 02-A-402-S4, 04-A-822-S4, 97-A-732-S6, 97-A-733-S6, 97-A-734-S6, 97-A-735-S6, 13-A-231, 97-A-737-S6, 97-A-744-S8, 97-A-745-S6, 97-A-746-S6

<sup>(1)</sup> Emission limit on the paper machine (EU 10) in order to keep the facility a "synthetic minor" source for Prevention of Significant Deterioration (PSD) purposes.

Pollutant: Hazardous Air Pollutants (HAPs)

Emission Limits: See Plant-Wide Conditions

Authority for Requirement: DNR Construction Permits 97-A-727-S6, 97-A-728-S6, 02-A-402-S4, 04-A-822-S4, 97-A-732-S6, 97-A-733-S6, 97-A-734-S6, 97-A-735-S6, 13-A-231, 97-A-737-S6, 97-A-744-S8, 97-A-745-S6, 97-A-746-S6



### **Emission Point Characteristics**

*These emission points shall conform to the conditions specified in Table 2.*

Paper Machine Table 2

<b>Emission Point Number</b>	<b>Emission Unit Number</b>	<b>Construction Permit</b>	<b>Stack Height (feet)</b>	<b>Stack Opening (inches)</b>	<b>Exhaust Flowrate (scfm)</b>	<b>Exhaust Temp. (°F)</b>	<b>Discharge Style</b>
S-6	10	97-A-727-S6	25	8	1,900	100	Vertical Unobstructed
S-7		97-A-728-S6	23.7	36	9,400	100	Vertical Obstructed
S-7A		02-A-402-S4	22	8	1,900	110	Vertical Unobstructed
S-7B		04-A-822-S4	28	8	2000	115	Vertical Unobstructed
S-10		97-A-732-S6	28	50.4	23,000	100	Horizontal
S-11		97-A-733-S6	28	50.4	23,000	100	Horizontal
S-12		97-A-734-S6	28	50.4	23,000	100	Horizontal
S-13		97-A-735-S5	28	50.4	23,000	100	Horizontal
S-63		97-A-737-S6	24	48	12,800	120	Horizontal
S-84		97-A-744-S8	20	19	6,000	70	Downward
S-87		97-A-745-S6	28	50.4	23,000	100	Horizontal
S-88		97-A-746-S6	35	51.6 x 27.6	23,000	100	Vertical Unobstructed
S-25	S-25	13-A-231	23	24	425	Ambient	Vertical, Obstructed

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

### **Operational Limits & Requirements**

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

#### **Emission Point S-25 only:**

- A. For recordkeeping purposes, all emissions from this coating mix tank are assumed to be emitted at the point of use, which is EU10.

#### **For all other Emission Points:**

- A. The total quantity of coating chemicals shall not exceed 25,000,000 lbs per twelve-month rolling period. The VOC content shall not exceed 1.1% by weight.
- B. The total quantity of non-coating chemicals shall not exceed 2,650,000 lbs per twelve-month rolling period. The VOC content shall not exceed 2.0% by weight.

- C. The total quantity of retention aids shall not exceed 300,000 lbs per twelve-month rolling period. The VOC content shall not exceed 26% by weight.
- D. The total quantity of Poly Vinyl Alcohol (PVA) shall not exceed 25,000 lbs per twelve-month rolling period. The VOC content shall not exceed 10% by weight.

**Reporting & 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. The owner/operator shall maintain the following records:*

- A. Record and calculate the total quantity of coating chemicals used per twelve-month rolling period.
- B. Record and calculate the total quantity of non-coating chemicals used per twelve-month rolling period.
- C. Record and calculate the total quantity of retention aids used per twelve-month rolling period.
- D. Record and calculate the total quantity of Poly Vinyl Alcohol (PVA) used per twelve-month rolling period.
- E. Maintain the MSDS for all coating chemicals, non-coating chemicals, retention aids and PVA.
- F. The owner or operator shall record the single and total HAP emissions from these emission points each month. The owner or operator shall calculate a rolling twelve-month total on a monthly basis for single and total HAPs emissions at the facility (plant number 86-01-001) until the single HAP emissions exceed 7.0 tons per twelve month rolling period and/or the total HAP emissions exceed 18.0 tons per twelve month rolling period. At this point, the owner or operator shall immediately begin keeping 365-day rolling totals for single and total HAP emissions. Calculation requirements may revert back to a monthly basis if the 365-day rolling totals for single HAPs is returned to below 7.0 tons and the total HAP is returned to below 18.0 tons.

Authority for Requirement: DNR Construction Permits 97-A-727-S6, 97-A-728-S6, 02-A-402-S4, 04-A-822-S4, 97-A-732-S6, 97-A-733-S6, 97-A-734-S6, 97-A-735-S6, 13-A-231, 97-A-737-S6, 97-A-744-S8, 97-A-745-S6, 97-A-746-S6

**Monitoring Requirements**

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

**Emission Point ID Numbers: See Storage Tanks Table 1**

Storage Tanks Table 1

Emission Point Number	Emission Unit Number	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity (gallons)	Construction Permit
S-101	S-101	Storage Tank	-	Hercules DI2396	2,760	07-A-008-S1
S-102	S-102	Storage Tank	-	Hercules DI2396	2,760	07-A-009-S1
S-103	S-103	Storage Tank	-	National 1190	5,338	07-A-010-S1
S-104	S-104	Storage Tank	-	National 1190	5,338	07-A-011-S1
S-105	S-105	Clay Coating Mix Tank	-	Coating Mix	838	07-A-012-S3

**Applicable Requirements**

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

*The emissions from these emission points shall not exceed the following specified levels.*

Pollutant: Volatile Organic Compounds (VOC)

Emission Limits: 205 TPY <sup>(1)</sup>

Authority for Requirement: DNR Construction Permits 07-A-008-S1, 07-A-009-S1, 07-A-010-S1, 07-A-011-S1, 07-A-012-S3

<sup>(1)</sup> Emission limit on the paper machine\* (EU 10) in order to keep the facility a "synthetic minor" source for Prevention of Significant Deterioration (PSD) purposes.

\* Includes equipment associated with the paper machine

Pollutant: Hazardous Air Pollutants (HAPs)

Emission Limits: See Plant-Wide Conditions

Authority for Requirement: DNR Construction Permits 07-A-008-S1, 07-A-009-S1, 07-A-010-S1, 07-A-011-S1, 07-A-012-S3

**Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below. All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner. The owner/operator shall maintain the following records:*

- A. For recordkeeping purposes, all emissions from these storage tanks will be assumed to be emitted at the point of use, which is Emission Unit 10.

Authority for Requirement: DNR Construction Permits 07-A-008-S1, 07-A-009-S1, 07-A-010-S1, 07-A-011-S1, 07-A-012-S3

**Monitoring Requirements**

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

## Emission Point ID Number: S-54

### Associated Equipment

Emission Unit Number	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
40	Main Boiler	-	Natural Gas (No. 2 and No. 6 fuel oil backup)	81 MMBtu/hr	97-A-718-S6

### 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: 40% <sup>(1)</sup>

Authority for Requirement: DNR Construction Permit 97-A-718-S6  
567 IAC 23.3(2)"d"

<sup>(1)</sup> 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 (PM<sub>10</sub>)

Emission Limits: 71.0 lb/hr<sup>(2)</sup>; 17.2 TPY

Authority for Requirement: DNR Construction Permit 97-A-718-S6

<sup>(1)</sup> Maximum emission limit allowed when burning Number 6 fuel oil.

Pollutant: Particulate Matter (PM)

Emission Limit: 0.8 lb/MMBtu

Authority for Requirement: DNR Construction Permit 97-A-718-S6  
567 IAC 23.3(2)"b"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limit (when burning natural gas): 500 ppm<sub>v</sub>

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

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limit (when burning No. 2 or No. 6 fuel oil): 2.5 lb/MMBtu

Authority for Requirement: DNR Construction Permit 97-A-718-S6  
567 IAC 23.3(3)"b"

Pollutant: Nitrogen Oxides (NO<sub>x</sub>)

Emission Limit: 50.0 lb/hr

Authority for Requirement: DNR Construction Permit 97-A-718-S6

## **NESHAP Applicability**

This boiler is subject to the National Emission Standards for Hazardous Air Pollutants Subpart JJJJJ for Industrial, Commercial and Institutional Boilers - Area Sources.

Authority for Requirement: 40 CFR Part 63, Subpart JJJJJ  
DNR Construction Permit 97-A-718-S6

## **Operational Limits & Requirements**

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

- A. This unit is allowed to burn natural gas, No. 2 fuel oil, and No. 6 fuel oil.
- B. The sulfur content of the fuel used shall not exceed 1.92%.
- C. A fuel analysis on each shipment of No. 6 fuel oil shall be done. This analysis shall show the sulfur content and the heat content of the fuel.
- D. The unit shall not burn more than 5,025 pounds of No. 6 fuel oil per hour.
- E. The maximum heat input to the boiler shall not exceed 81 MMBtu/hr based upon the amount and heat capacity of the fuel combusted and the hours of operation per day.
- F. No more than 55,500 pounds of steam per hour shall be used while the unit is operating on No. 6 fuel oil.
- G. The total amount of No. 6 fuel oil burned by this emission unit shall not exceed 310,000 gallons per 12-month rolling period. No. 2 fuel oil can be substituted for No. 6 fuel oil at a ratio of 1 gallon of No. 6 = 1.96 gallons of No. 2.
- H. This emission unit, Main Boiler, shall not operate more than sixteen (16) hours per month while the auxiliary boiler (S- 61) is in operation.

Authority for Requirements: DNR Construction Permit 97-A-718-S6

## **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. The owner/operator shall maintain the following records:*

- A. The permittee shall maintain the following daily records:
  - i. The date, the type of fuel used, the heat content of the fuel used, the amount of each fuel used, and the number of hours that the unit operated on each type of fuel for that day;
  - ii. A determination of the average heat input to the boiler based upon the amount of fuel used multiplied by the heat capacity value of the fuel divided by the number of hours the boiler was fired on that fuel; and,
  - iii. In addition to the total hours of operation for the day, the specific times that the boiler is in operation should be listed.
- B. The sulfur content of each fuel used. Recording the sulfur content of the natural gas used is not required if the facility has a certification that it is using pipeline quality natural gas.
- C. The results of all fuel analyses performed on the No. 6 fuel oil.
- D. The No. 6 fuel oil feed rate (in lb/hr) and the steam usage rate (in lb/hr) when the unit is using No. 6 fuel oil.

- E. Upon the issuance of 97-A-718-S6, determine the total amount of No. 2 and the total amount of No. 6 fuel oil used for each month of operation for the past 12 months.
- F. Calculate the total amount of No. 6 fuel oil for each month of operation by the following equation:  

$$\text{Gallons/month} = \text{gallons of No. 6/month} + [(\text{gallons of No. 2/month})/1.96]$$
- G. After the issuance of 97-A-718-S6, determine the annual amount of No. 2 and the annual amount No. 6 fuel oil used on a rolling-12-month basis for each month of operation.
- H. Calculate the rolling-12-month amount of No. 6 fuel oil by the following equation:  

$$\text{Gallons/rolling-12-months} = \text{gallons of No. 6/rolling-12-months} + [(\text{gallons of No. 2/rolling-12-months})/1.96]$$

Authority for Requirements: DNR Construction Permit 97-A-718-S6

**Emission Point Characteristics**

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

Stack Height (feet, from the ground): 50.75  
 Stack Opening (inches, diameter): 54  
 Stack Exhaust Flow Rate (scfm): 28,450  
 Exhaust Temperature (°F): 220  
 Discharge Style: Vertical, unobstructed  
 Authority for Requirement: DNR Construction Permit 97-A-718-S6

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

**Monitoring Requirements**

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

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

Authority for Requirement: 567 IAC 22.108(3)

## Emission Point ID Number: S-61

### Associated Equipment

Emission Unit Number	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
50	Auxiliary Boiler	-	Natural Gas	10.5 MMBtu/hr	97-A-717-S4

### Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit: 40% <sup>(1)</sup>

Authority for Requirement: DNR Construction Permit 97-A-717-S4  
567 IAC 23.3(2)"d"

<sup>(1)</sup> 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: 0.8 lb/MMBtu

Authority for Requirement: DNR Construction Permit 97-A-717-S4  
567 IAC 23.3(2)"b"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limit: 500 ppmv

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

#### Operational Limits & Requirements

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

- A. This unit shall burn natural gas only.
- B. This emission unit shall not operate more than 4,000 hours per 12-month rolling period.
- C. This emission unit, Auxiliary Boiler, shall not operate more than sixteen (16) hours per month while the main boiler (S-54) is in operation.

#### Reporting and record keeping:

*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. The owner/operator shall maintain the following records:*

- A. Record the type of fuel burned in the boiler.
- B. Record the number of hours the boiler is operated on a monthly basis. Calculate and record the rolling 12-month totals.

- C. Record the number of hours, every month the boiler is operated when the main boiler is in operation.

Authority for Requirements: DNR Construction Permit 97-A-717-S4

**Emission Point Characteristics**

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

Stack Height (feet, from the ground): 48.5  
Stack Opening (inches, diameter): 20  
Stack Exhaust Flow Rate (scfm): 2,100  
Exhaust Temperature (°F): 655  
Discharge Style: Vertical obstructed

Authority for Requirement: DNR Construction Permit 97-A-717-S4

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

**Monitoring Requirements**

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

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

Authority for Requirement: 567 IAC 22.108(3)



**Emission Point ID Number: S-72**

Associated Equipment

<b>Emission Unit Number</b>	<b>Emission Unit Description</b>	<b>Control Equipment</b>	<b>Raw Material</b>	<b>Rated Capacity</b>	<b>Construction Permit</b>
70	Skid Shop	CE-10 Cyclone	Wood Pallets	30 pallets/hr	97-A-722-S1

**Applicable Requirements**

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

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

Pollutant: Opacity

Emission Limit: 20%

Authority for Requirement: DNR Construction Permit 97-A-722-S1  
567 IAC 23.3(2)"d"

Pollutant: Particulate Matter (PM)

Emission Limit: 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 97-A-722-S1  
567 IAC 23.3(2)"a"

**Emission Point Characteristics**

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

Stack Height (feet): 8

Stack Opening (inches, diameter): 10

Stack Exhaust Flow Rate (scfm): 1,400

Stack Temperature (°F): 70

Discharge Style: Unobstructed Vertical<sup>(1)</sup>

<sup>(1)</sup> The facility has the option of venting the emissions through the stack listed above or back into the building.

Authority for Requirement: DNR Construction Permit 97-A-722-S1

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

**Monitoring Requirements**

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

Opacity Monitoring:

*(If the facility vents the emissions back into the building, this opacity monitoring is not required.)*

The facility shall check the opacity weekly during a period when the emission unit on this emission point is at or near full capacity and record the reading. Maintain a written record of the observation and any action resulting from the observation for a minimum of five years. Opacity shall be observed to ensure that no visible emissions occur during the material handling operation of the unit. If visible emissions are observed corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity greater than 20% is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

Authority for Requirement: 567 IAC 22.108(14)

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

## Emission Point ID Number: S-82

### Associated Equipment

Emission Unit Number	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
20	Top Coat Infrared Dryer	-	Natural Gas <sup>(1)</sup>	3.76 MMBtu/hr	97-A-720-S2

<sup>(1)</sup> The facility can also Propane as a back up fuel

### 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: 40% <sup>(1)</sup>

Authority for Requirement: DNR Construction Permit 97-A-720-S2  
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM<sub>10</sub>)

Emission Limits: 0.25 lb/hr

Authority for Requirement: DNR Construction Permit 97-A-720-S2

Pollutant: Particulate Matter (PM)

Emission Limit: 0.25 lb/hr; 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 97-A-720-S2  
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limit: (when burning natural gas) 500 ppmv

Authority for Requirement: DNR Construction Permit 97-A-720-S2  
567 IAC 23.3(3)"e"

Pollutant: Nitrogen Oxide (NO<sub>x</sub>)

Emission Limit: 0.80 lb/hr

Authority for Requirement: DNR Construction Permit 97-A-720-S2

**Operational Limits & Recordkeeping Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below. All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner. The owner/operator shall maintain the following records:*

- A. The fuel is limited to natural gas or propane.
- B. Maintain a record of the type of fuel used.

Authority for Requirement: DNR Construction Permit 97-A-720-S2

**Emission Point Characteristics**

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

Stack Height (feet): 9  
 Stack Opening (inches, diameter): 20  
 Stack Exhaust Flow Rate (scfm): 4,532  
 Stack Temperature (°F): 325  
 Discharge Style: Horizontal  
 Authority for Requirement: DNR Construction Permit 97-A-720-S2

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

**Monitoring Requirements**

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

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

Authority for Requirement: 567 IAC 22.108(3)

## Emission Point ID Number: S-83

### Associated Equipment

Emission Unit Number	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
30	Pre-Coat Infrared Dryer	-	Natural Gas <sup>(1)</sup>	0.94 MMBtu/hr	97-A-719-S2

<sup>(1)</sup> The facility can also Propane as a back up fuel

### 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: 40% <sup>(1)</sup>

Authority for Requirement: DNR Construction Permit 97-A-719-S2  
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM<sub>10</sub>)

Emission Limits: 0.20 lb/hr

Authority for Requirement: DNR Construction Permit 97-A-719-S2

Pollutant: Particulate Matter (PM)

Emission Limit: 0.20 lb/hr; 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 97-A-719-S2  
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limit: 500 ppmv

Authority for Requirement: DNR Construction Permit 97-A-719-S2  
567 IAC 23.3(3)"e"

Pollutant: Nitrogen Oxide (NO<sub>x</sub>)

Emission Limit: 0.20 lb/hr

Authority for Requirement: DNR Construction Permit 97-A-719-S2

**Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below. All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner. The owner/operator shall maintain the following records:*

- A. The fuel is limited to natural gas or propane.
- B. Maintain a record of the type of fuel used

Authority for Requirement: DNR Construction Permit 97-A-719-S2

**Emission Point Characteristics**

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

Stack Height (feet): 18  
 Stack Size (inches, diameter): 8  
 Stack Exhaust Flow Rate (scfm): 1,146  
 Stack Temperature (°F): 325  
 Discharge Style: Horizontal  
 Authority for Requirement: DNR Construction Permit 97-A-719-S2

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

**Monitoring Requirements**

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

## Emission Point ID Number: S-99

### Associated Equipment

Emission Unit Number	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
120	Pre-Coat Infrared Dryer	-	Natural Gas <sup>(1)</sup>	1.88 MMBtu/hr	97-A-721-S2

<sup>(1)</sup> The facility can also Propane as a back up fuel

### 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: 40% <sup>(1)</sup>

Authority for Requirement: DNR Construction Permit 97-A-721-S2  
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM<sub>10</sub>)

Emission Limits: 0.25 lb/hr

Authority for Requirement: DNR Construction Permit 97-A-721-S2

Pollutant: Particulate Matter (PM)

Emission Limit: 0.25 lb/hr; 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 97-A-721-S2  
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limit: 500 ppmv

Authority for Requirement: DNR Construction Permit 97-A-721-S2  
567 IAC 23.3(3)"e"

Pollutant: Nitrogen Oxide (NO<sub>x</sub>)

Emission Limit: 0.40 lb/hr

Authority for Requirement: DNR Construction Permit 97-A-721-S2

**Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below. All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner. The owner/operator shall maintain the following records:*

- A. The fuel is limited to natural gas or propane.
- B. Maintain a record of the type of fuel used

Authority for Requirement: DNR Construction Permit 97-A-721-S2

**Emission Point Characteristics**

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

Stack Height (feet): 18  
 Stack Size (inches, diameter): 12  
 Stack Exhaust Flow Rate (scfm): 961  
 Stack Temperature (°F): 325  
 Discharge Style: Horizontal  
 Authority for Requirement: DNR Construction Permit 97-A-721-S2

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

**Monitoring Requirements**

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

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

Authority for Requirement: 567 IAC 22.108(3)



**Emission Point ID Number: 100**

Associated Equipment

<b>Emission Unit Number</b>	<b>Emission Unit Description</b>	<b>Control Equipment</b>	<b>Raw Material</b>	<b>Rated Capacity</b>	<b>Construction Permit</b>
80	Activated Sludge System	-	Wastewater Treatment Chemicals	50 gal/day	-

**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.*

See Plant-wide Conditions

**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 S-20

### Associated Equipment

Emission Unit Number	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
500	Emergency Fire Pump Engine	-	Diesel Fuel	208 bhp	11-A-617-S1

### Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit: 40%<sup>(1)</sup>

Authority for Requirement: DNR Construction Permit 11-A-617-S1  
567 IAC 23.3(2)"d"

<sup>(1)</sup> 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 (PM<sub>10</sub>)

Emission Limit(s): 0.53 lb/hr

Authority for Requirement: DNR Construction Permit 11-A-617-S1

Pollutant: Particulate Matter (PM)

Emission Limit: 0.53 lb/hr; 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 11-A-617-S1  
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)

Emission Limit(s): 2.5 lb/MMBtu

Authority for Requirement: DNR Construction Permit 11-A-617-S1  
567 IAC 23.3(3)"b"(2)

Pollutant: Nitrogen Oxide (NO<sub>x</sub>)

Emission Limit: 7.54 lb/hr

Authority for Requirement: DNR Construction Permit 11-A-617-S1

Pollutant: Carbon Monoxide (CO)

Emission Limit: 1.62 lb/hr

Authority for Requirement: DNR Construction Permit 11-A-617-S1

### **Operational Limits & Requirements**

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

- A. This emission unit shall not operate more than 100 hours per twelve-month rolling period.
- B. Only #1 or #2 fuel oil shall be used in this emission unit.
- C. The fuel oil sulfur content shall not exceed 0.5% by weight.

### **Reporting & Record keeping**

*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. The owner/operator shall maintain the following records:*

- A. The number of hours of operation per twelve-month rolling period.
- B. The type of fuel used.
- C. The sulfur content of the fuel used.

Authority for Requirement: DNR Construction Permit 11-A-617-S1

### **NESHAP Applicability**

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

### **Compliance Date**

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

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

- A. Change oil and filter every 500 hours of operation or annually, whichever comes first. (See 63.6625(i) for the oil analysis option to extend time frame of requirements.)
- B. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first, and replace as necessary.
- C. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
- D. Operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
- E. Install a non-resettable hour meter if one is not already installed.

- F. Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

Operating Limits 40 CFR 63.6640(f)

- A. Any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations (*up to*) 50 hours per year is prohibited.
- B. There is no time limit on the use of emergency stationary RICE in emergency situations.
- C. You may operate your emergency stationary RICE up to 100 combined hours per calendar year for maintenance checks and readiness testing. See 40 CFR 63.6640(f)(2) for additional information and restrictions.
- D. You may operate your emergency stationary RICE up to 50 hours per calendar year for non-emergency situations, but those 50 hours are counted toward the 100 hours of maintenance and testing. Except as provided in 40 CFR 63.6640(f)(4)(i) and (ii), the 50 hours per year for non-emergency situations cannot be used for peak shaving, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

Recordkeeping Requirements 40 CFR 63.6655

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

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

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

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

**Emission Point Characteristics**

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

Stack Height (feet): 15

Stack Opening (inches, dia): 4

Exhaust Flow Rate (scfm): 953

Exhaust Temperature (°F): 815

Discharge Style: Vertical, Unobstructed

Authority for Requirement: DNR Construction Permit 11-A-617-S1

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may

vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

**Monitoring Requirements**

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

**Emission Point ID Number: IA06**

Associated Equipment

Emission Unit Number	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Construction Permit
IA06	Gasoline Storage Tank	-	Gasoline	200 gallons	-

Associated Emission Unit ID Number: IA06

**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.*

See Plant-Wide Conditions

**Operational Limits & Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below. All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner. The owner/operator shall maintain the following records:*

**NESHAP Applicability**

The tank is subject to 40 CFR 63 Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities. According to 40 CFR 63.1111(d) this storage tank, located at an area source, is an existing storage tank as it was constructed prior to November 9, 2006.

**§63.11115 What are my general duties to minimize emissions?**

Each owner or operator of an affected source under this subpart must comply with the requirements of paragraphs (a) and (b) of this section.

(a) You must, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

(b) You must keep applicable records as specified in §63.11125(d).

**§63.11116 Requirements for facilities with monthly throughput of less than 10,000 gallons of gasoline.**

- (a) You must not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:
  - (1) Minimize gasoline spills;
  - (2) Clean up spills as expeditiously as practicable;
  - (3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use;
  - (4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators.
- (b) You are not required to submit notifications or reports as specified in §63.11125, §63.11126, or subpart A of this part, but you must have records available within 24 hours of a request by the Administrator to document your gasoline throughput.
- (c) You must comply with the requirements of this subpart by the applicable dates specified in §63.11113.
- (d) Portable gasoline containers that meet the requirements of 40 CFR part 59, subpart F, are considered acceptable for compliance with paragraph (a)(3) of this section.

**§63.11125 What are my recordkeeping requirements?**

- (d) Each owner or operator of an affected source under this subpart shall keep records as specified in paragraphs (d)(1) and (2) of this section.
  - (1) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.
  - (2) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.11115(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

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

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

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

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



#### **G4. Annual Compliance Certification**

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

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

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

#### **G6. Annual Fee**

1. The permittee is required under subrule 567 IAC 22.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
3. The 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) 725-8694 and to the local police department or the office of the sheriff of the affected county as soon as possible but not later than six hours after the discovery or onset of the condition. This verbal report must be followed up with a written report as indicated in 567 IAC 131.2(2). *567 IAC Chapter 131-State Only*

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

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

## 2. Excess Emissions Reporting

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

- i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.
- ii. The estimated quantity of the excess emission.
- iii. The time and expected duration of the excess emission.
- iv. The cause of the excess emission.
- v. The steps being taken to remedy the excess emission.
- vi. The steps being taken to limit the excess emission in the interim period.

b. Written Reporting of Excess Emissions. A written report of an incident of excess emission shall be submitted as a follow-up to all required initial reports to the department

within seven days of the onset of the upset condition, and shall include as a minimum the following:

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

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

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

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

#### **G15. Permit Deviation Reporting Requirements**

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

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

During the term of this permit, the permittee must notify the department of any source that becomes subject to a standard or other requirement under 567-subrule 23.1(2) (standards of

performance of new stationary sources) or section 111 of the Act; or 567-subrule 23.1(3) (emissions standards for hazardous air pollutants), 567-subrule 23.1(4) (emission standards for hazardous air pollutants for source categories) or section 112 of the Act. This notification shall be submitted in writing to the department pursuant to the notification requirements in 40 CFR Section 60.7, 40 CFR Section 61.07, and/or 40 CFR Section 63.9. *567 IAC 23.1(2), 567 IAC 23.1(3), 567 IAC 23.1(4)*

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

1. Off Permit Changes to a Source. Pursuant to section 502(b)(10) of the CAAA, the permittee may make changes to this installation/facility without revising this permit if:
  - a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 22.
  - b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);
  - c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);
  - d. The changes are not subject to any requirement under Title IV of the Act (revisions affecting Title IV permitting are addressed in rules 567—22.140(455B) through 567 - 22.144(455B));
  - e. The changes comply with all applicable requirements.
  - f. For each such change, the permitted source provides to the department and the administrator by certified mail, at least 30 days in advance of the proposed change, a written notification, including the following, which must be attached to the permit by the source, the department and the administrator:
    - i. A brief description of the change within the permitted facility,
    - ii. The date on which the change will occur,
    - iii. Any change in emission as a result of that change,
    - iv. The pollutants emitted subject to the emissions trade
    - v. If the emissions trading provisions of the state implementation plan are invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.
    - vi. A description of the trading of emissions increases and decreases for the purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and
    - vii. Any permit term or condition no longer applicable as a result of the change.*567 IAC 22.110(1)*
2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. *567 IAC 22.110(2)*
3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 22.110(1). *567 IAC 22.110(3)*

4. The permit shield provided in subrule 22.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. *567 IAC 22.110(4)*
5. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. *567 IAC 22.108(11)*

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

##### 1. Administrative Amendment.

- a. An administrative permit amendment is a permit revision that does any of the following:
  - i. Correct typographical errors
  - ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;
  - iii. Require more frequent monitoring or reporting by the permittee; or
  - iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittee has been submitted to the director.
- b. The permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. The request shall be submitted to the director.
- c. Administrative amendments to portions of permits containing provisions pursuant to Title IV of the Act shall be governed by regulations promulgated by the administrator under Title IV of the Act.

##### 2. Minor Title V Permit Modification.

- a. Minor Title V permit modification procedures may be used only for those permit modifications that satisfy all of the following:
  - i. Do not violate any applicable requirement;
  - ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit;
  - iii. Do not require or change a case by case determination of an emission limitation or other standard, or an increment analysis;
  - iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act;
  - v. Are not modifications under any provision of Title I of the Act; and
  - vi. Are not required to be processed as significant modification under rule 567 - 22.113(455B).

- b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:
- i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
  - ii. The permittee's suggested draft permit;
  - iii. Certification by a responsible official, pursuant to 567 IAC 22.107(4), that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used; and
  - iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 22.107(7).
- c. The permittee may make the change proposed in its minor permit modification application immediately after it files the application. After the permittee makes this change and until the director takes any of the actions specified in 567 IAC 22.112(4) "a" to "c", the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time, the permittee need not comply with the existing permit terms and conditions it seeks to modify. However, if the permittee fails to comply with its proposed permit terms and conditions during this time period, the existing permit terms and conditions it seeks to modify may be enforced against the facility.

### 3. Significant Title V Permit Modification.

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

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

#### **G19. Duty to Obtain Construction Permits**

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

#### **G20. Asbestos**

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



## **G21. Open Burning**

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

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

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

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

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:

- a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.
- b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.
- c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.
- d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.

2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.
- b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.
- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.
- d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)
- e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.
- f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.

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

4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air

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

5. The permittee shall be allowed to switch from any ozone-depleting 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)*

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

### **G25. Permit Shield**

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

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

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

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

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

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

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

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

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

### **G26. Severability**

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

### **G27. Property Rights**

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

### **G28. Transferability**

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

### **G29. Disclaimer**

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

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

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

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

Stack Test Review Coordinator  
Wallace State Office Building  
502 E 9<sup>th</sup> St.  
Des Moines, IA 50319-0034  
(515) 725-9545

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

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

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

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

*567 IAC 26.1(1)*

### **G32. Contacts List**

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

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

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

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

Reports or notifications to the 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 2**

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

#### **Field Office 3**

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

#### **Field Office 4**

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

#### **Field Office 5**

7900 Hickman Road, Suite #200  
Windsor Heights, IA 50324  
(515) 725-0268

#### **Field Office 6**

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

#### **Polk County Public Works Dept.**

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

#### **Linn County Public Health**

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

# Appendix A

## Links to Standards

- A. 40 CFR Part 63 Subpart A – General Provisions  
<http://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&r=SUBPART&n=sp40.10.63.a>
- B. 40 CFR Part 63 Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants: Stationary Reciprocating Internal Combustion Engines  
<http://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&r=SUBPART&n=sp40.15.63.zzzz>
- C. 40 CFR Part 63 Subpart JJJJJ – National Emissions Standards for Hazardous Air Pollutants: Industrial, Commercial, and Institutional Boilers and Process Heaters – Area Sources  
<https://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&r=SUBPART&n=sp40.15.63.jjjjj>
- D. 40 CFR Part 63 Subpart CCCCC – National Emissions Standards for Hazardous Air Pollutants: Gasoline Dispensing Facilities  
<http://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&r=SUBPART&n=sp40.15.63.ccccc>