

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

**Name of Permitted Facility: Gerdau**

**Facility Location: 1500 W 3<sup>rd</sup> St.**

**Wilton, Iowa 52778**

**Air Quality Operating Permit Number: 03-TV-006R3**

**Expiration Date: March 13, 2027**

**Permit Renewal Application Deadline: September 13, 2026**

**EIQ Number: 92-3862**

**Facility File Number: 70-03-003**

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**Responsible Official**

**Name: Ricardo Rodrigues**

**Title: Vice President/General Manager**

**Mailing Address: 1500 West 3<sup>rd</sup> Street**

**Wilton, IA 52778**

**Phone #: (214) 949-3956**

**Permit Contact Person for the Facility**

**Name: Andrea Berger**

**Title: Environmental Specialist**

**Mailing Address: 1500 W 3<sup>rd</sup> Street**

**Wilton, IA 52778**

**Phone #: (920) 328-4440**

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

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

*Marnie Stein*

03/13/2022

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Marnie Stein, Supervisor of Air Operating Permits Section

Date

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## Abbreviations

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

### Pollutants

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

# I. Facility Description and Equipment List

Facility Name: Gerdau

Permit Number: 03-TV-006R3

Facility Description: Blast Furnaces and Steel Mills (SIC 3312)

## Equipment List

Emission Point Number	Emission Unit Number	Emission Unit Description	IDNR Construction Permit Number
EP-01	EU-01+	Electric Arc Furnace	07-A-440-S5
	EU-02+	Continuous Casting	
	EU-08+	Auto Torches	
	EU-10	Lime Silo Equalization Port	
	EU-23+	Ladle Dryer	
	EU-30+	Charge Handling	
EP-03	EU-01+	Electric Arc Furnace	07-A-441-S1
	EU-02+	Continuous Casting	
	EU-06+	South Ladle Dryers & Preheaters	
	EU-08+	Auto Torches	
	EU-23+	Ladle Dryer	
	EU-30+	Charge Handling	
EP-04	EU-03	Billet Reheat Furnace - Natural Gas	97-A-024-S3
	EU-04	Billet Reheat Furnace-Steel	
EP-05	EU-05	Hot Metal Rolling	07-A-443-S4
	EU-12	Parts Washer	
	EU-18	Rolling Mill Torches and Post Heater	
	EU-36	Angle Straightener	
I-19	I-19	FD-1 Gasoline Tank 500 Gal	N/A
EP-22	EU-22	Carbon Storage Silo	02-A-397-S2
EP-26	EU-25	Quicklime Silo	07-A-449-S1
EP-27	EU-26	Dolomite Silo	07-A-450-S2
EP-32	EU-32	MS Cooling Tower (3 Cells)	17-A-147
EP-11	EU-14	East Pond Cooling Tower (2 Cells)	07-A-445-S2
EP-08	EU-11	Metal Shredder	88-A-062-S7
EP-21	EU-21	Pneumatic Dust Transfer System	01-A-728-S2
EP-23	EU-23+	Ladle Dryer	07-A-446-S1
EP-24	EU-06+	South Ladle Dryers & Preheaters	07-A-447-S1
EP-29	EU-07	Tundish Preheaters	09-A-751
EP-30	EU-37	Grizzly	09-A-752
EP-31	EU-31	325 HP Cat Olympian D200P4 Backup Generator	N/A

+ Emission Unit is also located on another Emission Point

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## Insignificant Activities Equipment List

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Insignificant Emission Unit Number	Insignificant Emission Unit Description
I-01	40 HP Portable Diesel Pump
I-02	40 HP Portable Diesel Welder
I-03	40 HP Portable Diesel Welder
I-04	50 HP Portable Diesel Welder
I-05	Slag Quenching
I-06	Billet and Scrap Torch Cutting
I-07	Ladle Stirring Station
I-08	Process Water Treatment
I-10	OS-1 Mold Lube Oil Tank 6000 Gal.
I-11	OS-2 Used Oil Tank 500 Gal.
I-12	OS-3 Water Glycol Tank 1300 Gal
I-13	OS-6 Water Glycol Tank 580 Gal
I-14	MS-1 Diesel Tank 500 Gal
I-15	MS-2 Mold Lube Tank 500 Gal
I-16	MS-3 Water Glycol Tank 560 Gal
I-18	MS-9 Water Glycol Tank 500 Gal
I-20	FD-2 Diesel Tank 500 Gal
I-26	Used Oil Skimmer Tank, North 600 Gal
I-27	Used Oil Skimmer Tank, South 600 Gal
I-28	Shredder Hydraulic & Used Oil Tank 500 Gal
I-29	Scrap Loading Fac. & Assoc. Fugitive
I-30	1999 Portable CAT Backup Generator
I-31	2006 Portable CAT Backup Generator
I-35	Portable Backup Generator NPPH-McGraw Edison Onan 150.0

## II. Plant-Wide Conditions

Facility Name: Gerdau  
Permit Number: 03-TV-006R3

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: Five (5) years.  
Commencing on: March 14, 2022  
Ending on: March 13, 2027

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

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### Emission Limits

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

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

Sulfur Dioxide (SO<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 on or after July 21, 1999, the emission of particulate matter from any process shall not exceed an emission standard of 0.1 grain per dry standard cubic foot of exhaust gas, except as provided in 567 – 21.2(455B), 23.1(455B), 23.4(455B) and 567 – Chapter 24.

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

Fugitive Dust: Attainment and Unclassified Areas - No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered repaired or demolished, with the exception of farming operations or dust generated by ordinary travel on unpaved public roads, without taking reasonable precautions to prevent particulate matter in quantities sufficient to create a nuisance, as defined in Iowa Code section 657.1, from becoming airborne. All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate. The highway authority shall be responsible for taking corrective action in those cases where said authority has received complaints of or has actual knowledge of dust conditions which require abatement pursuant to this subrule. Reasonable precautions may include, but not limited to, the following procedures.

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

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

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### **NSPS**

Units at this facility are subject to 40 CFR 60 Subpart AAa – New Source Performance Standards for Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels per 40 CFR 60.270a.

### **NESHAP**

This facility is subject to 40 CFR 63 Subpart YYYYY National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities as an existing source.

One emergency generator (EU-31), the 325 HP Cat Olympian D200P4 Backup Generator is subject to 40 CFR Part 63 Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE).

### III. Emission Point-Specific Conditions

Facility Name: Gerdau  
 Permit Number: **03-TV-006R3**

#### Emission Point ID Number: EP-01

#### Associated Equipment

**Table: Electric Arc Furnace Stack**

Emission Point Number	Associated Emission Unit Number	Emission Unit Description	Control Equipment Number	Control Equipment Description	Raw Material	Rated Capacity
EP-01	EU-01	Electric Arc Furnace	CE-01	Baghouse	Liquid Steel	90 tons/hr
			CE-09	Post Combustion in Ductwork		
	EU-02	Continuous Casting	CE-01	Baghouse	Liquid Steel	90 tons/hr
	EU-08	Auto Torches			Natural Gas	5 MMBTU/hr
	EU-10	Lime Equalization Port			Lime/Dolomite	58.6 tons/hr
	EU-23	Ladle Dryer			Natural Gas	5 MMBTU/hr
	EU-30	Charge Handling			Metal Scrap	90 tons/hr

Authority for Requirement: DNR Construction Permit 07-A-440-S5



## 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 Limits: 3%/6%/10%<sup>(1)</sup>

Authority for Requirement: DNR Construction Permit 07-A-440-S5  
40 CFR 60.272a  
567 IAC 23.1(2)"ww"  
567 IAC 23.1(4)"dy"

<sup>(1)</sup> Opacity limit is 3% from the stack, 6% from the shop due solely to the operations of the EAF or AOD vessel(s) and 10% from any dust handling system, see 40 CFR 60.272a.

Pollutant: PM<sub>2.5</sub>

Emission Limit(s): 10.3 lb/hr

Authority for Requirement: DNR Construction Permit 07-A-440-S5

Pollutant: PM<sub>10</sub>

Emission Limit(s): 11.4 lb/hr

Authority for Requirement: DNR Construction Permit 07-A-440-S5

Pollutant: Particulate Matter (Federal)

Emission Limit(s): 0.0052 gr/dscf

Authority for Requirement: DNR Construction Permit 07-A-440-S5  
40 CFR 63.10686 (b)(1) & 40 CFR 60.272a(a)1  
567 IAC 23.1(4)"dy" & 567 IAC 23.1(2)"ww"

Pollutant: Particulate Matter (State)

Emission Limit(s): 13.7 lb/hr

Authority for Requirement: DNR Construction Permit 07-A-440-S5

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

Emission Limit(s): 29.7 lb/hr, 500 ppm

Authority for Requirement: DNR Construction Permit 07-A-440-S5  
567 IAC 23.3(3)"e"

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

Emission Limit(s): 22.1 lb/hr

Authority for Requirement: DNR Construction Permit 07-A-440-S5

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 25.0 lb/hr

Authority for Requirement: DNR Construction Permit 07-A-440-S5

Pollutant: Carbon Monoxide (CO)  
Emission Limit(s): 466 lb/hr and 4.1 lb/billet ton  
Authority for Requirement: DNR Construction Permit 07-A-440-S5

Pollutant: Hydrogen Fluoride (HF)  
Emission Limit(s): 0.052 lb/ton of billet produced  
Authority for Requirement: DNR Construction Permit 07-A-440-S5

**Operational Limits & Reporting/Record keeping Requirements**

*The owner/operator of this equipment shall comply with the operational limits and requirements listed below. Records shall be kept on site for at least five years and shall be available for inspection by the Department.*

- A. The amount of steel produced in the electric arc furnace (EAF) shall not exceed 360,000 billet tons in any 12-month rolling period.
- B. Determine the annual amount of steel produced by the EAF (in billet tons) on a rolling 12-month basis for each month of operation
- C. Carbon sources for the EAF shall be limited to coal, coke, petroleum coke, charcoal, wood and tires.
- D. The owner or operator shall maintain a record of the amount of tires charged into the EAF.
- E. The oxyfuel burners shall be fired by natural gas only.
- F. The amount of natural gas consumed in the Melt Shop shall not exceed 500 MMCF per twelve month rolling period.
- G. Determine the annual amount of natural gas consumed in the melt shop (in MMCF) on a rolling 12-month basis for each month of operation.
- H. The facility (plant number 70-03-003) shall take reasonable precautions to limit emissions during any malfunction.
- I. Record the type of malfunction, date of malfunction, and measures taken in order to limit emissions due to the malfunction.
- J. The owner or operator must install, operate, and maintain a capture system that collects the emissions from each EAF (including charging, melting and tapping operations) and conveys the collected emissions to a control device for the removal of particulate matter (PM) ( 40 CFR 63.10686(a)).
- K. The owner or operator shall install and operate a bag leak detection system as required by 40 CFR 60.273a(e).
- L. The owner or operator shall perform monthly inspections of equipment important to the performance of the control device as required by 40 CFR 60.274a(d).
- M. The baghouse shall be maintained in accordance with the manufacturer's specifications.
- N. The owner or operator shall keep records of baghouse inspections and maintenance.
- O. The owner or operator shall follow the applicable requirements for the control of contaminants from scrap as listed in 40 CFR 63.10685.
- P. The owner or operator shall maintain records and submit reports as required by 40 CFR 63.10685 and 63.10690.
- Q. The owner or operator shall maintain records and submit reports as required by 40 CFR 60.274a and 60.276a.

- R. The owner or operator shall conduct daily opacity observations (using test method 40 CFR 60, Appendix A, Method 9) on the EAF Baghouse Stack and MS roofline as required by 40 CFR 60.273a(c).

Authority for Requirement: DNR Construction Permit 07-A-440-S5  
40 CFR 60 Subpart AAa  
567 IAC 23.1(2) "ww"  
40 CFR 63 Subpart YYYYYY  
567 IAC 23.1(4) "dy"

### **NSPS**

These units are subject to 40 CFR 60 Subpart AAa – New Source Performance Standards for Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels per 40 CFR 60.270a.

Authority for Requirement: DNR Construction Permit 07-A-440-S5  
40 CFR 60 Subpart AAa  
567 IAC 23.1(2) "ww"

### **NESHAP**

These units are subject to the 40 CFR 63 Subpart YYYYYY – National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Steelmaking Facilities as an existing source.

Authority for Requirement: DNR Construction Permit 07-A-440-S5  
40 CFR 63 Subpart YYYYYY  
567 IAC 23.1(4) "dy"

### **Emission Point Characteristics**

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

Stack Height, (ft, from the ground): 100

Stack Opening, (inches, dia.): 192

Exhaust Flow Rate, (scfm): 500,000

Exhaust Temperature, (°F): 90

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 07-A-440-S5

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

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

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

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

**Compliance Assurance Monitoring (CAM) Plan Required?**      Yes  No   
*(Required for CE-01)*

Authority for Requirement: 567 IAC 22.108(3)

## CAM Plan for EP-01 Baghouse

### I. Background

#### A. Emissions Unit

Description: Electric Arc Furnace (EAF)  
Identification: EU-01  
Facility: Gerdau Wilton Iowa

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

Regulation No.: Permit 03-TV-006R2  
Particulate emission limit: 13.7 lb./hr PM, 11.4 lb./hr PM-10  
Opacity emission limit: 3%  
Current Monitoring requirements: Initial Stack Testing, then performance testing once every 5 years

C. Control Technology: Fabric Filters

### II. Monitoring Approach for Indicator One

#### A. Indicator One

Differential Pressure drop will be used as an indicator (daily checks).

#### B. Measurement Approach

Pressure drop will be checked daily.

#### C. Indicator Range

Normal operating range per baghouse (4) is between -4 to -12 inches of H<sub>2</sub>O.  
Investigate differential pressure of effected modular between -9.1 to -12 inches of H<sub>2</sub>O  
Investigate, isolate and record differential pressure excursions above -12.1 inches of H<sub>2</sub>O (and higher).  
Investigate, isolate and record differential pressure excursions below -3.9 inches H<sub>2</sub>O.  
Except during normal maintenance (changing bags, adjusting bags, etc.) a reading below -3.9 may occur.

#### D. QIP (Quality Improvement Plan)

Threshold is triggered with normal operating range of below -4 inches of H<sub>2</sub>O and above -12 inches of H<sub>2</sub>O.  
The QIP threshold is six excursions in a six-month reporting period

#### E. Performance Criteria

Data representativeness: Differential pressure was selected as the performance indicator for CAM because it is a good indicator of proper operation and maintenance of the baghouse. Operational experience has shown that when the baghouse is operating properly, total differential pressure level

will be generally between -4 and -12 inches of water over each baghouse. This indicator range was selected because differential readings of lesser or greater magnitude could indicate impaired baghouse performance and an associated increase in particulate emissions from the baghouse stack.

Verification of operational status: Records of pressure drop readings will be maintained for five years.

QA/QC practices and criteria: The attendant shall check the pressure drop daily when the emission unit on this emission point is in operation; a corrective action will be taken within 24 hours of an upset condition.

Monitoring frequency and data Collection procedure: Pressure drop readings shall be conducted daily during a period when the emission unit on this emission point is in operation. The baghouse status report is printed out once daily and maintained for five years.

### III. Monitoring Approach for Indicator Two

#### A. Indicator Two

Broken Bag detector will be used as an indicator (daily checks).

#### B. Measurement Approach

Broken bag detector system control panel will be checked daily for upset conditions.

#### C. Indicator Range

NA

#### D. QIP (Quality Improvement Plan) Threshold

The QIP threshold is six excursions in a six-month reporting period

#### E. Performance Criteria

Data representativeness: NA

Verification of operational status: Records of broken bag alarms will be maintained for five years.

QA/QC practices and criteria: The attendant shall check the broken bag detector system control panel daily when the emission unit on this emission point is in operation; a corrective

action will be taken within 24 hours of an upset condition.

Monitoring frequency and data  
Collection procedure:

Broken bag detector system control panel check shall be conducted daily during a period when the emission unit on this emission point is in operation. The baghouse status report is printed out once daily and maintained for five years.

### III. Justification

#### A. Background

The Wilton operation is a mini-mill steel production facility and operates under the standard industrial classification (SIC) code 3312. The processes consist of shredding crushed automobiles, sheet steel, and appliances into scrap metal, melting scrap steel in an electric arc furnace, and casting the molten metal into billets in the facility's continuous caster. The billets are then reheated in a natural gas-fired furnace to the desired temperature in order to be rolled into the desired shapes. The plant is capable of producing up to 360,000 tons of steel billets per year.

#### B. Rationale for Selection of Indicator Range

The selected indicator range is a pressure drop of greater than -4 inches of water below the recent normal operating range or an increase in pressure drop beyond -12 inches of water.

The selected indicator range is -4 to -12 inches of water total baghouse differential. Differential pressure was selected as the performance indicator for CAM because it is a good indicator of proper operation and maintenance of the baghouse. Operational experience has shown that when the baghouse is operating properly, differential pressure levels will be generally between -4 and -12 inches of water over each baghouse. This indicator range was selected because differential pressure readings of lesser or greater magnitude could indicate impaired baghouse performance and an associated increase in particulate emissions from the baghouse stack except during start up, shut down, and upset conditions.

The selected QIP threshold for the baghouse is 6 excursions in a 6-month reporting period. If the QIP threshold is exceeded in a semiannual reporting period, a QIP will be developed and implemented.

## Emission Point ID Number: EP-03

### Associated Equipment

Associated Emission Unit ID Numbers: Melt Shop Roof Line

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Table: Melt Shop Roof Line

Emission Point Number	Associated Emission Unit Number	Emission Unit Description	Raw Material	Rated Capacity
EP-03	EU-01	Electric Arc Furnace	Liquid Steel	90 tons/hr
	EU-02	Continuous Caster	Liquid Steel	90 tons/hr
	EU-06	South Ladle Dryers & Preheaters	Natural Gas	5 MMBTU/hr
	EU-08	Auto Torches	Natural Gas	5 MMBTU/hr
	EU-23	Ladle Dryer	Natural Gas	5 MMBTU/hr
	EU-30	Charge Handling	Metal Scrap	90 tons/hr

Authority for Requirement: DNR Construction Permit 07-A-441-S1

### Applicable Requirements

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

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

Pollutant: Opacity

Emission Limits: less than 6%<sup>(1)</sup>

Authority for Requirement: DNR Construction Permit 07-A-441-S1

40 CFR 63.10686 (b)(2)

567 IAC 23.1(3)"dy"

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

Emission Limits: 500 parts per million by volume

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

DNR Construction Permit 07-A-441-S1

### Operational Limits & Requirements

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

- A. The amount of natural gas consumed in the melt shop (see Table: Melt Shop Roofline for a list of emission units) shall not exceed 500 MMCF per twelve month rolling period.



B. The facility shall take reasonable precautions to limit emissions during any malfunction.

**Reporting & Record keeping:**

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

- A. Determine the annual amount of natural gas consumed in the melt shop (in MMCF) on a rolling 12-month basis for each month of operation.
- B. The type of malfunction, date of malfunction, and measures taken in order to limit emissions due to the malfunction.
- C. The owner or operator shall maintain records and submit reports as required by 40 CFR 63.10685 and 63.10690.

Authority for Requirement: DNR Construction Permit 07-A-441-S1  
40 CFR 63 Subpart YYYYYY  
567 IAC 23.1(4) "dy"

**NSPS**

These units are subject to 40 CFR 60 Subpart AAa – New Source Performance Standards for Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels per 40 CFR 60.270a.

Authority for Requirement: DNR Construction Permit 07-A-441-S1  
40 CFR 60 Subpart AAa  
567 IAC 23.1(2) "ww"

**NESHAP**

These units are subject to the 40 CFR 63 Subpart YYYYYY – National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Steelmaking Facilities as an existing source.

Authority for Requirement: DNR Construction Permit 07-A-441-S1  
40 CFR 63 Subpart YYYYYY  
567 IAC 23.1(4) "dy"

**Monitoring Requirements**

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

**Facility Periodic Opacity Monitoring**

The owner or operator shall conduct daily opacity observations (using test method 40 CFR 60, Appendix A, Method 9) on the EAF and MS roofline as required by 40 CFR 60.273a(c).

Authority for Requirement: 40 CFR 60 Subpart AAa  
567 IAC 23.1(2) "ww"

**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-04

### Associated Equipment

Associated Emission Unit ID Numbers: Billet Reheat Furnaces

Table: Billet Reheat Furnaces

Emission Point Number	Associated Emission Unit Number	Emission Unit Description	Control Equipment Number	Control Equipment Description	Raw Material	Rated Capacity
EP-04	EU-03	Billet Reheat Furnace (combustion)	CE-31	Low NOx Burner	Natural Gas	145.5 MMBtu/hr
	EU-04	Billet Reheat Furnace (steel)	N/A	N/A	Billet Steel	90 tons/hr

### Applicable Requirements

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

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

Pollutant: Opacity

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

Authority for Requirement: DNR Construction Permit 97-A-024-S3  
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: PM<sub>10</sub>

Emission Limit(s): 1.1 lb/hr

Authority for Requirement: DNR Construction Permit 97-A-024-S3

Pollutant: Particulate Matter

Emission Limit(s): 1.1 lb/hr, 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 97-A-024-S3  
567 IAC 23.3(2)"a"

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

Emission Limit(s): 14.55 lb/hr

Authority for Requirement: DNR Construction Permit 97-A-024-S3

**Operational Limits & Requirements**

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

Process throughput:

- A. The amount of material processed by this emission unit shall not exceed 380,000 tons per twelve month rolling period.
- B. This emission unit shall be fired by natural gas only.

Reporting & Record keeping:

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

- A. Determine the annual material processed for this emission unit (in tons/yr) on a rolling 12-month total for each month of operation.

Authority for Requirement: DNR Construction Permit 97-A-024-S3

**Emission Point Characteristics**

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

Stack Height, (ft, from the ground): 58.9

Stack Opening, (inches, dia.): 90

Exhaust Flow Rate, (scfm): 11,200-22,800

Exhaust Temperature, (°F): 400-900

Discharge Style: Unobstructed vertical

Authority for Requirement: DNR Construction Permit 97-A-024-S3

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

**Monitoring Requirements**

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

**Emission Point ID Number: EP-05**

Associated Equipment

Associated Emission Unit ID Numbers: See Table: Rolling Mill Roof Line

Table: Rolling Mill Roof Line

<b>Emission Point Number</b>	<b>Associated Emission Unit Number</b>	<b>Emission Unit Description</b>	<b>Control Equipment Number</b>	<b>Raw Material</b>	<b>Rated Capacity</b>
EP-05	EU-05	Hot Metal Rolling	N/A	Steel	90 tons/hr
	EU-12	Parts Washer		Mineral Spirits	161 gallons
	EU-18	Misc Torches & Post Heater		Natural Gas	Varies
	EU-36	Angle Straightener	CE-04	Angle Steel	90 tons/hr

Authority for Requirement: DNR Construction Permit 07-A-443-S4

**Applicable Requirements**

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

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

Pollutant: Opacity

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

Authority for Requirement: DNR Construction Permit 07-A-443-S4  
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter

Emission Limit(s): 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 07-A-443-S4  
567 IAC 23.3(2)"a"

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

Emission Limits: 500 parts per million by volume

Authority for Requirement: DNR Construction Permit 07-A-443-S4  
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.*

Process throughput:

- A. The amount of natural gas consumed in the Rolling Mill shall not exceed 1,400 MMCF per twelve month rolling period.
- B. This natural gas used in this emission unit shall be pipeline quality natural gas.
- C. The facility shall take reasonable precautions to limit emissions during any malfunction.

Reporting & Record keeping:

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

- A. Determine the annual amount of natural gas consumed in the rolling mill (in MMCF) on a rolling 12-month basis for each month of operation.
- B. The type of malfunction, date of malfunction, and measures taken in order to limit emissions due to the malfunction.

Authority for Requirement: DNR Construction Permit 07-A-443-S4

**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)

**Relevant requirements of O & M plan for this equipment:**

**CE-04, Angle Straightener**

**CE-07, Angle Straightener**

**CE's are in series.**

**Monitoring Guidelines**

The facility makes a commitment to take timely corrective action during periods of excursion where the indicators are out of range. A corrective action may include an investigation of the reason for the excursion, evaluation of the situation and necessary follow-up action to return operation within the indicator range. An excursion is determined by the averaged discrete data point over a period of time. An excursion does not necessarily indicate a violation of an applicable requirement. If the corrective action measures fail to return the indicators to the appropriate range, the facility will report the exceedance to the department and conduct source testing within 90 days of the exceedance to demonstrate compliance with applicable requirements. If the test demonstrates compliance with emission limits then new indicator ranges must be set for monitoring and the new ranges must be incorporated in the operating permit. If the test demonstrates noncompliance with emission limits, then the facility, within 60 days, proposes a schedule to implement corrective action to bring the source into compliance and demonstrate compliance.

**General**

Periodic Monitoring is not required during periods of time greater than one day in which the source does not operate.

**Quarterly**

- Perform and document inspection of blower, duct, hopper, doors, and sheet metal.
- Perform and document inspection of dust collector filters.
- Perform and document inspection of drive and belts.

If abnormal conditions are detected, measures for remediation will be implemented within eight (8) hours. Maintain a written record of the inspection and any actions resulting from the inspection.

**Record Keeping and Reporting**

Maintenance and inspection records will be kept for 5 years and available upon request.

**Quality Control**

- The dust system equipment will be operated and maintained according to the manufacturer's specifications.

An adequate inventory of spare parts shall be kept.

## **Emission Point ID Number: I-19**

### Associated Equipment

Associated Emission Unit ID Number: I-19

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Emission Unit vented through this Emission Point: I-19

Emission Unit Description: 500 Gallon Gasoline Tank

Raw Material/Fuel: Gasoline

Rated Capacity: 500 gallons

### **Applicable Requirements**

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

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

No emission limits at this time

#### **Operational Limits & Reporting/Record keeping Requirements**

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

*Records shall be kept on site for at least five years and shall be available for inspection by the Department.*

- 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



**National Emission Standards for Hazardous Air Pollutants (NESHAP)**

This unit is subject to the 40 CFR 63 Subpart CCCCCC – National Emission Standards for Hazardous Air Pollutants for Area Sources: Gasoline Dispensing Facilities

Authority for Requirement: 40 CFR 63 Subpart CCCCCC

**Emission Point Characteristics**

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

Not Applicable

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.

**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: Silos

### Associated Equipment

Associated Emission Unit ID Numbers: Silos

Table: Silos

Emission Point Number	Associated Emission Unit Number	Emission Unit Description	Control Equipment Number	Control Equipment Description	Raw Material	Rated Capacity	Construction Permit
EP-22	EU-22	Carbon Silo	CE-22	Bin Vent Dust Collector	Carbon	150 tons	02-A-397-S2
EP-26	EU-25	Quicklime Silo-Scrap Facility	CE-26	Bin Vent Dust Collector	Quicklime, Lime	150 tons	07-A-449-S1
EP-27	EU-26	Dolomite Silo-Scrap Facility	CE-27	Bin Vent Dust Collector	Dolomite	150 tons	07-A-450-S2

### Applicable Requirements

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

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

Pollutant: Opacity

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

Authority for Requirement: DNR Construction Permits listed in Table: Silos  
567 IAC 23.3(2)"d"

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

Pollutant: PM<sub>10</sub>

Emission Limit(s): 0.47 lb/hr, 0.1 gr/dscf;

Authority for Requirement: DNR Construction Permits listed in Table: Silos

Pollutant: Particulate Matter

Emission Limit(s): 0.47 lb/hr, 0.1 gr/dscf;

Authority for Requirement: DNR Construction Permits listed in Table: Silos  
567 IAC 23.3(2)"a"

**Emission Point Characteristics**

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

Stack Height, (ft, from the ground): 86.2

Stack Opening, (inches): 18.25 x 4.31

Exhaust Flow Rate, (scfm): 550

Exhaust Temperature, (°F): 70

Discharge Style: Horizontal

Authority for Requirement: DNR Construction Permits specified in Table: Silos

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

**Monitoring Requirements**

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

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

**Facility Maintained Operation & Maintenance Plan Required?**                      Yes  No   
*(Required for CE-22, CE-26, & CE-27)*

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

## Emission Point ID Number: Cooling Towers

### Associated Equipment

Associated Emission Unit ID Numbers: Cooling Towers

Table: Cooling Towers

Emission Point Number	Associated Emission Unit Number	Emission Unit Description	Control Equipment Number	Control Equipment Description	Raw Material	Rated Capacity (gal/hr)	Construction Permit
EP-32	EU-32	EAF Cooling Tower	CE-32	Drift Eliminator	Process Water	246,000	17-A-147
EP-11	EU-14	East Pond Cooling Tower	CE-11	Drift Eliminator	Process Water	540,000	07-A-445-S2

### Applicable Requirements

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

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

Table: Cooling Towers-Emission Limits

Emission Point Number	Associated Emission Unit Number	Opacity Limit 567 IAC 23.3(2)"d"	PM <sub>10</sub> Limit (lb/hr)	PM Limit (gr/dscf) 567 IAC 23.3(2)"a"	Authority for Requirement (Construction Permit Number)
EP-32	EU-32	40% <sup>(1)</sup>	0.75	0.1	17-A-147
EP-11	EU-14	40% <sup>(1)</sup>	4.1	0.1	07-A-445-S2

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

#### Operational Limits & Requirements

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

- A. The total dissolved solids (TDS) of the water in the cooling towers shall not exceed 1800 ppm. The owner or operator shall:
  1. Each quarter, obtain a water sample and conduct a TDS analysis.

- B. VOC-containing or chromium-based water treatment chemicals shall not be used in these emission units. The owner or operator shall:
1. Maintain a Safety Data Sheet (SDS) of each water treatment chemical used in each emission unit.
- C. The owner or operator shall maintain the Drift Eliminators (CE-32& CE-11) according to manufacturer specifications. The owner or operator shall:
1. Maintain the East Pond Cooling Tower (EU-14) and the MS Cooling Tower (EU-32), along with the Drift Eliminators (CE-11) and (CE-32) according to the manufacturer’s specifications and maintenance schedules; and
  2. Maintain a record of all inspections and maintenance and any action resulting from inspections and maintenance of the East Pond Cooling Tower (EU-14) and the MS Cooling Tower (EU-32), along with the Drift Eliminators (CE-11) and (CE-32).

Authority for Requirement: DNR Construction Permits listed in Table: Cooling Towers- Emission Limits

**Emission Point Characteristics**

*These emission points shall conform to the specifications listed below.*

Table: Cooling Towers – Emission Point Characteristics

Emission Point Number	Associated Emission Unit Number	Construction Permit No.	Stack Characteristics				Discharge Style
			Height (feet)	Diameter (inches)	Exhaust Flowrate (scfm)	Exhaust Temp. (°F)	
EP-32	EU-32	17-A-147	21	3 cells @ 84 per cell	3 cells @ 90,400 per cell	90	Vertical Unobstructed
EP-11	EU-14	07-A-445-S1	37	2 cells @ 216 per cell	2 cells @ 107,000 per cell	90	Vertical Unobstructed

Authority for Requirement: DNR Construction Permits specified in Table: Cooling Towers– Emission Point Characteristics

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

**Monitoring Requirements**

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: EP-08**

### Associated Equipment

Associated Emission Unit ID Numbers: EU-11  
Emissions Control Equipment ID Number: CE 06  
Emissions Control Equipment Description: Water Spray and Cyclone

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Emission Unit vented through this Emission Point: EU-11  
Emission Unit Description: Metal Shredder  
Raw Material/Fuel: Scrap Metal  
Rated Capacity: 90 tons/hr

### **Applicable Requirements**

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

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

Pollutant: Opacity  
Emission Limits: 40%<sup>(1)</sup>  
Authority for Requirement: DNR Construction Permit 88-A-062-S7  
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: PM<sub>10</sub>  
Emission Limit(s): 1.59 lb/hr  
Authority for Requirement: DNR Construction Permit 88-A-062-S7

Pollutant: Particulate Matter  
Emission Limit(s): 6.86 lb/hr, 0.1 gr/dscf  
Authority for Requirement: DNR Construction Permit 88-A-062-S7  
567 IAC 23.3(2)"a"

### **Operational Limits & Requirements**

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

#### Process Throughput:

- A. The Metal Shredder (EU-11) shall not operate more than 5,000 hours per twelve (12) month rolling period.
- B. The owner or operator shall follow the applicable requirements for the control of contaminants from scrap as required by 40 CFR §63.10685.

#### Reporting & Record keeping:

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

- A. Determine the combined annual hours of operation for the Metal Shredder (EU-11) on rolling twelve (12) month basis for each month of operation.
- B. The owner or operator shall maintain records and submit reports as required by 40 CFR §63.10685 and 40 CFR §63.10690.

Authority for Requirement: DNR Construction Permit 88-A-062-S7  
40 CFR 63 Subpart YYYYYY  
567 IAC 23.1(4) "dy"

### **NESHAP**

These units are subject to the 40 CFR 63 Subpart YYYYYY – National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Steelmaking Facilities as an existing source.

Authority for Requirement: DNR Construction Permit 88-A-062-S7  
40 CFR 63 Subpart YYYYYY  
567 IAC 23.1(4) "dy"



**Emission Point Characteristics**

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

Stack Height, (ft, from the ground): 48

Stack Opening, (inches): 33 x 24

Exhaust Flow Rate, (scfm): 13,750

Exhaust Temperature, (°F): 100

Discharge Style: Unobstructed vertical

Authority for Requirement: DNR Construction Permit 88-A-062-S7

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

**Monitoring Requirements**

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: EP-21**

### Associated Equipment

Associated Emission Unit ID Numbers: EU-21

Emissions Control Equipment ID Number: CE-21

Emissions Control Equipment Description: Cyclone followed by Cartridge Filter

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Emission Unit vented through this Emission Point: EU-21

Emission Unit Description: Pneumatic Dust Transfer System

Raw Material/Fuel: EAF Dust

Rated Capacity: 35 lb/ton of steel

### **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 Limits: 10%<sup>(1)</sup>

Authority for Requirement: 40 CFR 60 Subpart AAa  
567 IAC 23.1(2) "ww"

<sup>(1)</sup> According to §60.272a(b), on and after the date on which the performance test required to be conducted by §60.8 is completed, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from the dust-handling system any gases that exhibit 10 percent opacity or greater

Pollutant: Opacity

Emission Limits: 40%<sup>(2)</sup>

Authority for Requirement: DNR Construction Permit 01-A-728-S2  
567 IAC 23.3(2)"d"

<sup>(2)</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: PM<sub>10</sub>

Emission Limit(s): 1.47 lb/hr

Authority for Requirement: DNR Construction Permit 01-A-728-S2

Pollutant: Particulate Matter

Emission Limit(s): 1.47 lb/hr, 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 01-A-728-S2  
567 IAC 23.3(2)"a"

## **NSPS**

These units are subject to 40 CFR 60 Subpart AAa – New Source Performance Standards for Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels per 40 CFR 60.270a.

Authority for Requirement: 40 CFR 60 Subpart AAa  
567 IAC 23.1(2) "ww"

## **Emission Point Characteristics**

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

Stack Height, (ft, from the ground): 8  
Stack Opening, (inches, dia.): 8  
Exhaust Flow Rate, (scfm): 1,700  
Exhaust Temperature, (°F): 70  
Discharge Style: Downward  
Authority for Requirement: DNR Construction Permit 01-A-728-S2

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

## **Monitoring Requirements**

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

Visible emissions shall be observed on a weekly basis to ensure there are none when the emission unit on this emission point is at or near full capacity. 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 (>10%) is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from observation of the violation.

If weather conditions prevent the observer from conducting an observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake 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.

Maintain a written record of the observation and any action resulting from the observation for a minimum of five years.

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: EP-23**

### Associated Equipment

Associated Emission Unit ID Numbers: EU-23

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Emission Unit vented through this Emission Point: EU-23  
Emission Unit Description: North Ladle Dryer  
Raw Material/Fuel: Natural Gas  
Rated Capacity: 5 MMBtu/hr

### **Applicable Requirements**

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

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

Pollutant: Opacity

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

Authority for Requirement: DNR Construction Permit 07-A-446-S1  
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: PM<sub>10</sub>

Emission Limit(s): 0.04 lb/hr

Authority for Requirement: DNR Construction Permit 07-A-446-S1

Pollutant: Particulate Matter

Emission Limit(s): 0.04 lb/hr, 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 07-A-446-S1  
567 IAC 23.3(2)"a"

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

Emission Limit(s): 500 ppmv

Authority for Requirement: DNR Construction Permit 07-A-446-S1  
567 IAC 23.3(3)"e"

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

Emission Limit(s): 0.5 lb/hr, 2.19 tons/yr and 100 lb/MMCF

Authority for Requirement: DNR Construction Permit 07-A-446-S1

Pollutant: Carbon Monoxide (CO)

Emission Limit(s): 0.42 lb/hr, 1.84 tons/yr, and 84 lb/MMCF

Authority for Requirement: DNR Construction Permit 07-A-446-S1

### **Operational Limits & Requirements**

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

Process throughput:

- A. The amount of natural gas consumed in the Melt Shop shall not exceed 500 MMCF per twelve month rolling period.
- B. The natural gas used in this emission unit shall be pipeline quality natural gas.

Work practice standards:

- A. The facility shall take reasonable precautions to limit emissions during any malfunction.

Reporting & Record keeping:

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

- A. Determine the annual amount of natural gas consumed in the melt shop (in MMCF) on a rolling 12-month basis for each month of operation.
- B. The type of malfunction, date of malfunction, and measures taken in order to limit emissions due to the malfunction.

Authority for Requirement: DNR Construction Permit 07-A-446-S1

### **Emission Point Characteristics**

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

Stack Height, (ft, from the ground): 47

Stack Opening, (inches, dia.): 33.6

Exhaust Flow Rate, (scfm): 5,800

Exhaust Temperature, (°F): 140

Discharge Style: Vertical unobstructed

Authority for Requirement: DNR Construction Permit 07-A-446-S1

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

**Monitoring Requirements**

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: EP-24**

### Associated Equipment

Associated Emission Unit ID Numbers: EU-06

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Emission Unit vented through this Emission Point: EU-06  
Emission Unit Description: South Ladle Dryers & Preheaters  
Raw Material/Fuel: Natural Gas  
Rated Capacity: 10 MMBtu/hr

### **Applicable Requirements**

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

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

Pollutant: Opacity

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

Authority for Requirement: DNR Construction Permit 07-A-447-S1  
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: PM<sub>10</sub>

Emission Limit(s): 0.11 lb/hr

Authority for Requirement: DNR Construction Permit 07-A-447-S1

Pollutant: Particulate Matter

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

Authority for Requirement: DNR Construction Permit 07-A-447-S1  
567 IAC 23.3(2)"a"

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

Emission Limit(s): 500 ppmv

Authority for Requirement: DNR Construction Permit 07-A-447-S1  
567 IAC 23.3(3)"e"

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

Emission Limit(s): 1.51 lb/hr, 6.57 tons/yr and 100 lb/MMCF

Authority for Requirement: DNR Construction Permit 07-A-447-S1

Pollutant: Carbon Monoxide (CO)

Emission Limit(s): 1.27 lb/hr, 5.52 tons/yr, and 84 lb/MMCF

Authority for Requirement: DNR Construction Permit 07-A-447-S1



### **Operational Limits & Requirements**

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

Process throughput:

- A. The amount of natural gas consumed in the Melt Shop shall not exceed 500 MMCF per twelve month rolling period.
- B. The natural gas used in this emission unit shall be pipeline quality natural gas.

Work practice standards:

- A. The facility shall take reasonable precautions to limit emissions during any malfunction.

### **Reporting & Record Keeping**

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

- A. Determine the annual amount of natural gas consumed in the melt shop (in MMCF) on a rolling 12-month basis for each month of operation.
- B. The type of malfunction, date of malfunction, and measures taken in order to limit emissions due to the malfunction.

Authority for Requirement: DNR Construction Permit 07-A-447-S1

### **Emission Point Characteristics**

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

Stack Height, (ft, from the ground): 47

Stack Opening, (inches, dia.): 46.8

Exhaust Flow Rate, (scfm): 17,500

Exhaust Temperature, (°F): 140

Discharge Style: Vertical unobstructed

Authority for Requirement: DNR Construction Permit 07-A-447-S1

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

**Monitoring Requirements**

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: EP-29**

### Associated Equipment

Associated Emission Unit ID Numbers: EU-07

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Emission Unit vented through this Emission Point: EU-07  
Emission Unit Description: Tundish Preheater  
Raw Material/Fuel: Natural Gas  
Rated Capacity: 5.0 MMBtu/hr

### **Applicable Requirements**

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

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

Pollutant: Opacity

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

Authority for Requirement: DNR Construction Permit 09-A-751  
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: PM<sub>10</sub>

Emission Limit(s): 0.04 lb/hr

Authority for Requirement: DNR Construction Permit 09-A-751

Pollutant: Particulate Matter

Emission Limit(s): 0.04 lb/hr, 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 09-A-751  
567 IAC 23.3(2)"a"

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

Emission Limit(s): 500 ppm

Authority for Requirement: DNR Construction Permit 09-A-751  
567 IAC 23.3(3)"e"

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

Emission Limit(s): 0.05 lb./hr., 2.19 tons/yr and 100 lb/MMCF

Authority for Requirement: DNR Construction Permit 09-A-751

Pollutant: Carbon Monoxide (CO)

Emission Limit(s): 0.42 lb/hr, 1.84 tons/yr, and 84 lb/MMCF

Authority for Requirement: DNR Construction Permit 09-A-751

**Operational Limits & Requirements**

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

Process throughput:

- A. The amount of natural gas consumed in the Melt Shop shall not exceed 500 MMCF per twelve month rolling period.
- B. Natural gas combusted in this emission unit shall be pipeline quality natural gas.

Reporting & Record keeping:

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

- A. Determine the annual amount of natural gas consumed in the melt shop (in MMCF) on a rolling 12-month basis for each month of operation.

Authority for Requirement: DNR Construction Permit 09-A-751

**Emission Point Characteristics**

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

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

Stack Opening, (inches, dia.): 60

Exhaust Flow Rate, (acfm): 30,000

Exhaust Temperature, (°F): 190

Discharge Style: Horizontal

Authority for Requirement: DNR Construction Permit 09-A-751

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

**Monitoring Requirements**

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

## **Emission Point ID Number: EP-30**

### Associated Equipment

Associated Emission Unit ID Numbers: EU-37

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Emission Unit vented through this Emission Point: EU-37

Emission Unit Description: Grizzly

Raw Material/Fuel: Slag

Rated Capacity: 300 tph

### **Applicable Requirements**

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

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

Pollutant: Fugitive Dust

Emission Limit: No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered, repaired or demolished, without taking reasonable precautions to prevent a nuisance. All persons shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate.

Authority for Requirement: DNR Construction Permit 09-A-752  
567 IAC 23.3(2)"c"

Pollutant: PM<sub>10</sub>

Emission Limit(s): 2.0 lb./hr.

Authority for Requirement: DNR Construction Permit 09-A-752

#### **Operational Limits & Requirements**

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

Hours of operation:

- A. This unit shall be operated only between the hours of 7:00 am and 7:00 pm.

Reporting & Record keeping:

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

- A. The owner or operator shall keep records each day the unit is operated specifying the time of startup and the time the unit shutdown.

Authority for Requirement: DNR Construction Permit 09-A-752

**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-31**

### Associated Equipment

Associated Emission Unit ID Number: EU-31

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Emission Unit vented through this Emission Point: EU-31  
Emission Unit Description: 325 HP Cat Olympian D200P4 Backup Generator  
Raw Material/Fuel: Diesel  
Rated Capacity: 325 bhp

### **Applicable Requirements**

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

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

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

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

Pollutant: Sulfur Dioxide (SO<sub>2</sub>)  
Emission Limit(s): 2.5 lb/MMBtu  
Authority for Requirement: 567 IAC 23.3(b)"2"

#### **Operational Limits & Requirements**

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

##### Process throughput:

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

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

##### Reporting & Record keeping:

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

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

Authority for Requirement: 567 IAC 22.108(3)

### NESHAP:

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

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

### Operating Limits 40 CFR 63.6640(f)

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

1. Keep records of the maintenance conducted on the stationary RICE.
2. Keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. Document how many hours are 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

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

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

**Monitoring Requirements**

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

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

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

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

Authority for Requirement: 567 IAC 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 Permitting & Standards Branch, 11201 Renner Blvd., Lenexa, KS 66219. Additional copies to local programs or EPA are not required for application materials submitted through the electronic format specified by the Department. The application must include all emission points, emission units, air pollution control equipment, and monitoring devices at the facility. All emissions generating activities, including fugitive emissions, must be included. The definition of a complete application is as indicated in 567 IAC 22.105(2). *567 IAC 22.105*

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

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

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

By March 31 of each year, the permittee shall submit compliance certifications for the previous calendar year. The certifications shall include descriptions of means to monitor the compliance status of all emissions sources including emissions limitations, standards, and work practices in accordance with applicable requirements. The certification for a source shall include the identification of each term or condition of the permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with all applicable department rules. For sources determined not to be in compliance at the time of compliance certification, a compliance schedule shall be submitted which provides for periodic progress reports, dates for achieving activities, milestones, and an explanation of why any dates were missed and preventive or corrective measures. The compliance certification shall be submitted to the administrator, director, and 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 emissions inventory shall be submitted annually by March 31 with forms specified by the department documenting actual emissions for the previous calendar year.
4. The fee shall be submitted annually by July 1 with forms specified by the department.
5. If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.
6. Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.
7. The fee for a portable emissions unit or stationary source which operates both in Iowa and out of state shall be calculated only for emissions from the source while operating in Iowa.
8. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 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.
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 or greenhouse gas generating substances to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *40 CFR part 82*

#### **G24. Permit Reopenings**

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *567 IAC 22.108(9)"c"*

2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.

a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;

b. Reopening and revision on this ground is not required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to May 15, 2001.

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  
Iowa DNR, Air Quality Bureau  
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:

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

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

Chief, Air Quality Bureau  
Iowa Department of Natural Resources  
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**

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

**Field Office 2**

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

**Field Office 3**

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

**Field Office 4**

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

**Field Office 5**

Wallace State Office Building  
502 E 9<sup>th</sup> St.  
Des Moines, IA 50319-0034  
(515) 725-0268

**Field Office 6**

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

**Polk County Public Works Dept.**

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

**Linn County Public Health**

Air Quality Branch  
1020 6<sup>th</sup> Street SE  
Cedar Rapids, IA 52401  
(319) 892-6000

## V. Appendix A: NSPS & NESHAP

- **40 CFR 60 Subpart AAa – Standards of Performance for Steel Plants: Electric Arc Furnaces and Argon-Oxygen Decarburization Vessels Constructed After August 17, 1983**

<https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-60/subpart-AAa>

- **40 CFR 63 Subpart YYYYY – National Emission Standards for Hazardous Air Pollutants for Area Sources: Electric Arc Furnace Steelmaking Facilities**

<https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-YYYYY>

- **40 CFR 63 Subpart ZZZZ– National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

<https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-ZZZZ>