Iowa Department of Natural Resources
Title V Operating Permit

Name of Permitted Facility: Harsco Metals
Facility Location: 1770 Bill Sharp Blvd.
Muscatine, Iowa 52761-9492
Air Quality Operating Permit Number: 07-TV-008R3
Expiration Date: 05/30/2028

Permit Renewal Application Deadline: 11/30/2027

EIQ Number: 92-2868
Facility File Number: 70-01-054

Responsible Official
Name: Joe Burkey
Title: Regional President
Mailing Address: 300 Seven Fields Blvd.
Seven Fields, PA 16046
Phone #: (724) 741-6662
Email: jburkey@harsco.com

Permit Contact Person for the Facility
Name: Glenn Hundertmark
Title: Environmental Manager
Mailing Address: 300 Seven Fields Blvd.
Seven Fields, PA 16046
Phone #: (724) 741-6662
Email: Ghundertmark@harsco.com

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

05/31/2023

Marnie Stein, Supervisor of Air Operating Permits Section — Date

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Abbreviations

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

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

I. Facility Description and Equipment List

Facility Name: Harsco Metals
Permit Number: 07-TV-008R3

Facility Description: Slag Processing (SIC 3312)

Equipment List

A. Steel Slag Handling

Emission Point Number	Emission Unit Number	Emission Unit Description	IDNR Construction Permit Number
28	MS-1	Steel Slag Loading	95-A-560-S2
	MS-2	Feeder to Grizzly Slag Transfer	
	MS-3	Slag Screening	
	MS-4	Grizzly to Oversize Pile Slag Transfer	
	MS-5	Grizzly to Conveyor Slag Transfer	
	MS-6	Conveyor to Conveyor Slag Transfer	
	MS-7	Conveyor to Feeder Slag Transfer	
	MS-8	Feeder to Feeder Slag Transfer	
	MS-9	Feeder to Conveyor Slag Transfer	
	MS-10	Conveyor to Screen Slag Transfer	
	MS-11	Slag Screening	
	MS-12	Screen to Feeder Slag Transfer	
	MS-13	Feeder to Conveyor Slag Transfer	
	MS-14	Conveyor to 2 ½ x 10 Metallic Pile Slag Transfer	
	MS-15	Screen to Conveyor Slag Transfer	
	MS-16	Conveyor to 2 ½ x 3/4 Metallic Pile Slag Transfer	
	MS-17	Screen to Feeder Slag Transfer	
	MS-18	Feeder to Conveyor Slag Transfer	
	MS-19	Conveyor to 0 x 3/4 Metallic Pile Slag Transfer	
	MS-20	Screen to Conveyor Slag Transfer	
	MS-21	Conveyor to Conveyor Slag Transfer	
	MS-22	Conveyor to Conveyor Slag Transfer	
	MS-23	Feeder to Feeder Slag Transfer	
	MS-24	Feeder to Conveyor Slag Transfer	
	MS-25	Conveyor to Screen Slag Transfer	
	MS-26	Slag Screening	
	MS-27	Screen to Conveyor Slag Transfer	
	MS-28	Conveyor to Conveyor Slag Transfer	
	MS-29	Conveyor to -3/4 Slag Pile Transfer	

Equipment List (Cont.)

A. Steel Slag Handling (Cont.)

Emission Point Number	Emission Unit Number	Emission Unit Description	IDNR Construction Permit Number
28	MS-30	Screen to Conveyor Slag Transfer	95-A-560-S2
	MS-31	Conveyor to ¾ x 2 ½ Slag Transfer	
	MS-32	Screen to Conveyor Slag Transfer	
	MS-33	Conveyor to 2 ½ x 10 Slag Pile Transfer	

B. Slag Screening Plant and Jaw Crusher

Emission Point Number	Emission Unit Number	Emission Unit Description	IDNR Construction Permit Number
Q5P	Q5P-B-01	Feeder Belt	04-A-1063-S3
	Q5P-C-01	Spokane Crusher (includes crusher and one transfer point)	
	Q5P-B-02	42" Belt	
	Q5P-B-03	Tel Smith Belt	
	Q5P-S-01	Tel Smith Screen (includes screen and three transfer points)	
	Q5P-B-04	Overs Belt	
	Q5P-B-05	Sand and Chip Stacker	
	Q5P-B-06	Sand and Chip Belt #2	
	Q5P-S-02	Cedar Rapids Screen (includes screen and two transfer points)	
	Q5P-B-07	Sand Stacker	
	Q5P-B-08	Chip Stacker	

C. Diesel Generators

Emission Point Number	Emission Unit Number	Emission Unit Description	IDNR Construction Permit Number
Q5DE	Q5DE1	650 BHp Diesel Generator (Portable Engine)	04-A-1064-S3
Q53	Q5DE2	314 BHp Diesel Generator (Portable Engine)	05-A-493-S2

D. Miscellaneous Sources

Emission Point Number	Emission Unit Number	Emission Unit Description	IDNR Construction Permit Number
SCRAP	SCRAP	Steel Scrap Handling Yard	95-A-561-S2
GASOLINE	GASOLINE	Gasoline Storage Tank	N/A
BatchMix	BatchMix	Hot Mix Asphalt Plant	22-A-364

Insignificant Activities Equipment List

Insignificant Emission Unit Number	Insignificant Emission Unit Description
LBST 1-4	4 Slag Stockpiles (0.25 – 0.5 acre)
PDMH	Pot Dumping and Material Handling
FILL	Loadout Filling
LOAD	Loadouts
COLDBIN	Cold Bin Aggregate Feed Bins
CONVEY	Cold Bin Feed Conveyor
IMPORT	Imported Dust Silo

II. Plant-Wide Conditions

Facility Name: Harsco Metals
Permit Number: 07-TV-008R3

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

Permit Duration

The term of this permit is: Five (5) years.
Commencing on: 05/31/2023
Ending on: 05/30/2028

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

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

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

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

Particulate Matter:
No person shall cause or allow the emission of particulate matter from any source in excess of the emission standards specified in this chapter, except as provided in 567 – Chapter 24. For sources constructed, modified or reconstructed on or after July 21, 1999, the emission of particulate matter from any process shall not exceed an emission standard of 0.1 grain per dry standard cubic foot of exhaust gas, except as provided in 567 – 21.2(455B), 23.1(455B), 23.4(455B) and 567 – Chapter 24.
For sources constructed, modified or reconstructed prior to July 21, 1999, the emission of particulate matter from any process shall not exceed the amount determined from Table I, or amount specified in a permit if based on an emission standard of 0.1 grain per standard cubic foot of exhaust gas or established from standards provided in 23.1(455B) and 23.4(455B).
Authority for Requirement: 567 IAC 23.3(2)"a"

Fugitive Dust: Attainment and Unclassified Areas - A person shall take reasonable precautions to prevent particulate matter from becoming airborne in quantities sufficient to cause a nuisance as defined in Iowa Code section 657.1 when the person allows, causes or permits any materials to be handled, transported or stored or a building, its appurtenances or a construction haul road to be used, constructed, altered, repaired or demolished, with the exception of farming operations or dust generated by ordinary travel on unpaved roads. Ordinary travel includes routine traffic and road maintenance activities such as scarifying, compacting, transporting road maintenance surfacing material, and scraping of the unpaved public road surface. (the preceding sentence is State Only) All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of

the property on which the emissions originate. The public highway authority shall be responsible for taking corrective action in those cases where said authority has received complaints of or has actual knowledge of dust conditions which require abatement pursuant to this subrule. Reasonable precautions may include, but not be limited to, the following procedures.

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

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

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40 CFR 63 Subpart CCCCCC

A gasoline storage tank at this facility (emission unit GASOLINE) is subject to 40 CFR 63 Subpart CCCCCC National Emission Standards for Hazardous Air Pollutants for Area Source Categories: Gasoline Distribution Bulk Terminals, Bulk Plants, Pipeline Facilities, and Gasoline Dispensing Facilities.

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

Relationship to SSAB Iowa, Inc.

Harsco Metals and SSAB Iowa, Inc. have been issued separate Title V Permits, but are considered as one stationary source for Title V and PSD applicability purposes.

III. Emission Point-Specific Conditions

Facility Name: Harsco Metals
Permit Number: **07-TV-008R3**

Emission Point ID Number: See Table: Steel Slag Handling

Associated Equipment

Associated Emission Unit ID Numbers: See Table: Steel Slag Handling
Emissions Control Equipment ID Number: CE1
Emissions Control Equipment Description: Wet Suppression

Table: Steel Slag Handling

Emission Point Number	Associated Emission Unit Number	Emission Unit Description	Raw Material	Rated Capacity (tons/hr)
28	MS-1	Steel Slag Loading	Steel Slag	300
	MS-2	Feeder to Grizzly Slag Transfer	Steel Slag	300
	MS-3	Slag Screening	Steel Slag	300
	MS-4	Grizzly to Oversize Pile Slag Transfer	Steel Slag	15
	MS-5	Grizzly to Conveyor Slag Transfer	Steel Slag	285
	MS-6	Conveyor to Conveyor Slag Transfer	Steel Slag	285
	MS-7	Conveyor to Feeder Slag Transfer	Steel Slag	285
	MS-8	Feeder to Feeder Slag Transfer	Steel Slag	60
	MS-9	Feeder to Conveyor Slag Transfer	Steel Slag	60
	MS-10	Conveyor to Screen Slag Transfer	Steel Slag	60
	MS-11	Slag Screening	Steel Slag	300
	MS-12	Screen to Feeder Slag Transfer	Steel Slag	15
	MS-13	Feeder to Conveyor Slag Transfer	Steel Slag	15
	MS-14	Conveyor to 2 ½ x10 Metallic Pile Slag Transfer	Steel Slag	15
	MS-15	Screen to Conveyor Slag Transfer	Steel Slag	15
	MS-16	Conveyor to 2 ½ x3/4 Metallic Pile Slag Transfer	Steel Slag	15
	MS-17	Screen to Feeder Slag Transfer	Steel Slag	24
	MS-18	Feeder to Conveyor Slag Transfer	Steel Slag	24
	MS-19	Conveyor to 0 x3/4 Metallic Pile Slag Transfer	Steel Slag	24
	MS-20	Screen to Conveyor Slag Transfer	Steel Slag	6
	MS-21	Conveyor to Conveyor Slag Transfer	Steel Slag	6

Table: Steel Slag Handling (cont.)

Emission Point Number	Associated Emission Unit Number	Emission Unit Description	Raw Material	Rated Capacity (tons.hr)
28	MS-22	Conveyor to Conveyor Slag Transfer	Steel Slag	6
	MS-23	Feeder to Feeder Slag Transfer	Steel Slag	225
	MS-24	Feeder to Conveyor Slag Transfer	Steel Slag	225
	MS-25	Conveyor to Screen Slag Transfer	Steel Slag	231
	MS-26	Slag Screening	Steel Slag	300
	MS-27	Screen to Conveyor Slag Transfer	Steel Slag	120
	MS-28	Conveyor to Conveyor Slag Transfer	Steel Slag	120
	MS-29	Conveyor to -3/4 Slag Pile Transfer	Steel Slag	120
	MS-30	Screen to Conveyor Slag Transfer	Steel Slag	90
	MS-31	Conveyor to 3/4x2 ½ Slag Transfer	Steel Slag	90
	MS-32	Screen to Conveyor Slag Transfer	Steel Slag	21
	MS-33	Conveyor to 2 ½ x10 Slag Pile Transfer	Steel Slag	21

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): No Visible Emissions [(1)]
Authority for Requirement: DNR Construction Permit 95-A-560-S2
567 IAC 23.3(2)"c"(1)

[(1)] No visible emissions are allowed beyond the lot line of the property.

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr./dscf
Authority for Requirement: DNR Construction Permit 95-A-560-S2
567 IAC 23.3(2)"a"

Pollutant: PM_{10}
Emission Limit(s): 1.36 lb/hr and 6.0 tons/yr [(2)]
Authority for Requirement: DNR Construction Permit 95-A-560-S2

[(2)] Twelve month rolling total.

Operational Limits & Requirements

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

Hours of operation:

A. The crusher and screens are limited to operating between the hours of 7:00 a.m. and 3:00 p.m. any day of the year.
B. The maximum production rate of the Steel Slag Processing/Handling Plant shall not exceed 250 tons per hour.

Work practice standards:

A. Emissions abatement shall conform to the Fugitive Dust Control Plan submitted by Harsco Corporation Plant 52 as attached (Appendix A).

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

A. Record the date and time that the Steel Slag Processing/Handling Plant begins and concludes operations for each day they are operated.
B. Record the total throughput, in tons, for the Steel Slag Processing/Handling Plant for each day it is operated. Calculate and record the average throughput, in tons per hour, for each day the Steel Slag Processing/Handling Plant is operated.
C. Records, adequate for documenting compliance with the Fugitive Dust Control Plan, shall be kept of all dust control activities.

Authority for Requirement: DNR Construction Permit 95-A-560-S2

Monitoring Requirements

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

Opacity shall be observed on a weekly basis to ensure no visible emissions at the facility lot line during the material handling operation of the units. If visible emissions are observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Numbers: EP-Q5P

Associated Equipment

Associated Emission Unit ID Numbers: See Table: Slag Screening Plant (EP-Q5P)
Emissions Control Equipment ID Number: CE-Water Suppression
Emissions Control Equipment Description: Water Truck and Water Sprays

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Table: Slag Screening Plant (EP-Q5P):

Emission Point Number	Associated Emission Unit Number	Emission Unit Description	Raw Material	Rated Capacity (tons/hr)
Q5P	Q5P-B-01	Feeder Belt	Steel Slag	200
	Q5P-C-01	Spokane Crusher (includes crusher and one transfer point)	Steel Slag	200
	Q5P-B-02	42" Belt	Steel Slag	200
	Q5P-B-03)	Tel Smith Belt	Steel Slag	200
	Q5P-S-01	Tel Smith Screen (includes screen and three transfer points)	Steel Slag	200
	Q5P-B-04	Overs Belt	Steel Slag	50
	Q5P-B-05	Sand and Chip Stacker	Steel Slag	75
	Q5P-B-06	Sand and Chip Belt #2	Steel Slag	75
	Q5P-S-02	Cedar Rapids Screen (includes screen and two transfer points)	Steel Slag	75
	Q5P-B-07	Sand Stacker	Steel Slag	50
	Q5P-B-08	Chip Stacker	Steel Slag	25

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 (at the lot line)
Emission Limit(s): No Visible Emissions [(2)]
Authority for Requirement: DNR Construction Permits 04-A-1063-S3
567 IAC 23.3(2)"c"

[(2)] No visible emissions are allowed beyond the lot line of the property.

Pollutant: Opacity (EP Q5P)
Emission Limit(s): 40% [(1)]
Authority for Requirement: DNR Construction Permit 04-A-1063-S3
567 IAC 23.3(2)"d"

[(1)] An exceedance of the indicator 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: Particulate Matter (PM_{10})
Emission Limit(s): 0.75 lb/hr
Authority for Requirement: DNR Construction Permit 04-A-1063-S3

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 04-A-1063-S3
567 IAC 23.3(2)"a"

Operating Requirements with Associated Monitoring and Recordkeeping
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

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

A. The Slag Screen Plants (EP-Q5P) is limited to operating between the hours of 7:00 a.m. and 3:00 p.m. any day of the year. Record the date and time that the crusher and screens begin and conclude operation for each day they are operated.

B. The maximum production rate of the crusher (EU-Q5P-C-01) shall not exceed 150 tons per hour. The maximum recycle rate of the crusher (EU-Q5P-C-01) shall not exceed 50 tons per hour. These two maximum rates equal the maximum capacity of the crusher (EU-Q5P-C-01), which is 200 tons per hour. The following shall be recorded and maintained:

   i. The recycle rate, in tons, for the crusher for each day it is operated.

   ii. The total throughput, in tons, for the crusher for each day it is operated.

   iii. The number of hours the crusher (EU-Q5P-C-01) operates, for each day it is operated.

   iv. Calculate and record the average throughput based on the hours of operation and the total throughput minus the recycle, in tons per hour, for each day the crusher (EU-Q5P-C-01) is

operated.

C. The owner or operator of the Slag Screen Plant (EP-Q5P) shall follow the Fugitive Dust Control Plan developed by Harsco Corporation Plant 52 in permit 95-A-560-S2 to minimize emissions from the Slag Screen Plant (EP-Q5P). A copy of the Fugitive Dust Control Plan developed by Harsco Corporation Plant 52 in permit 95-A-560-S2 shall be retained on-site.

D. Water suppression shall be utilized to meet opacity at the screening plant and the lot line using either water or water/surfactant mixture.

   i. The owner or operator shall control emissions using water suppression, which is performed by using a water truck and/or water nozzle suppression at the screening plant. If the water truck and/or water nozzle suppression be inoperable alternative means of wetting materials shall be employed (i.e.: tanker truck, loader buckets, or dump trucks) or the material handling activity shall be curtailed.

   ii. At the screening plant, water suppression is required at the feed pile. Water suppression is required at subsequent locations at the screening plant, as needed.

   iii. Water suppression is allowed to not be utilized during rain events and the subsequent time when feedstock is wet.

   iv. A log shall be maintained with the following information:

      a. Date;

      b. Weather conditions; and

      c. Indicate if water suppression was used or not.

E. During stock and de-stocking operations, front-end loader bucket drop height shall be minimized to the lowest practical level. Equipment operators shall be instructed use care when unloading materials. Dump truck loads shall be dumped slowly. Material shall be thoroughly wetted by water suppression before handling.

F. The owner or operator of the crusher and screens shall provide the Department with written notification of equipment relocation within the property, at least thirty (30) days before equipment relocation.

Authority for Requirement: DNR Construction Permit 04-A-1063-S3

Monitoring Requirements

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

Opacity shall be observed on a weekly basis to ensure no visible emissions at the facility lot line during the material handling operation of the units. If visible emissions are observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Numbers: See Table: Diesel Generators

Associated Equipment

Associated Emission Unit ID Numbers: See Table: Diesel Generators

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Table: Diesel Generators

Emission Point Number	**Associated Emission Unit Number**	Emission Unit **Description**	**Raw Material**	**Rated Capacity (BHp – gal/hr)**
Q5DE	Q5DE1	Nonemergency Portable Diesel Engine Generator	Diesel Fuel	650 - 33
Q53	Q5DE2	Nonemergency Portable Diesel Engine Generator	Diesel Fuel	314 - 16

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: Diesel Generators-Emission Limits

Emission Point Number	**Associated Emission Unit Number**	**Opacity Limit** 567 IAC 23.3(2)"d"	**PM Limit (lb./hr)**	**PM_{10} Limit (lb./hr)**	**SOx Limit** 567 IAC 23.3(3)"b"	**NOx Limit (tons/yr)**	**Authority for Requirement** (Construction Permit Number)
Q5DE	Q5DE1	40%(1)	1.0	1.0	1.90 lb/hr and 2.5 lb/MMBtu	39.4(2)	04-A-1064-S3
Q53	Q5DE2	40%(1)	1.0	1.0	0.91 lb/hr and 2.5 lb/MMBtu		05-A-493-S2

(1) An exceedance of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).
(2) NOX limit imposed on Diesel Engine EU Q5DE1 and EU Q5DE2 to avoid PSD applicability and keep the projects, 04-586 and 05-266, a minor modification to a PSD major facility. NOX limit verified though a limit on the quantity of fuel fired per 12-month rolling period.

Operational Limits & Requirements

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

Operating Limits

Operating limits for this emission unit shall be:

A. The diesel engine, EU Q5DE1 and/or EU Q5DE2, is limited to operating between the hours of 7:00 a.m. and 3:00 p.m. any day of the year.
B. The diesel engine, EU Q5DE1 and/or EU Q5DE2, shall fire only diesel fuel with a maximum sulfur content of 0.4 weight percent.
C. The total combined fuel usage of diesel engine EU Q5DE1and diesel engine EU Q5DE2 shall not exceed 162,500 gallons of fuel per 12-month rolling period.
D. The owner or operator of the diesel engine, EU Q5DE1 and/or EU Q5DE2, shall provide the Department with written notification of equipment relocation within the property, at least thirty (30) days before equipment relocation. This requirement is added to the permit due to dispersion modeling conducted for project #04-586.
E. The owner or operator of the diesel engine, EU Q5DE1 and/or EU Q5DE2, shall submit the notice of relocation of portable equipment to the department at least 7 days in advance of relocating the engine outside the property boundary.
F. The owner or operator shall maintain records of relocation of the engine EU Q5DE1 and/or EU Q5DE2.

Operating Condition Monitoring and Recordkeeping

A. Unless specified by a federal regulation, all records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Department. Records shall be legible and maintained in an orderly manner. These records shall show the following:
B. Record the date and time that diesel engine, EU Q5DE1 and/or EU Q5DE2, begins and concludes operation for each day it is operated.
C. Retain vendor's certification of the sulfur content for the diesel fuel fired in the diesel engine, EU Q5DE1 and/or EU Q5DE2.
D. Record the total amount of fuel, in gallons, that is used in the diesel engine EU Q5DE1 and diesel engine EU Q5DE2 each month. Calculate and record 12-month rolling totals.
E. The permittee shall record where the engine is located and the length of time that the engine is at each location.

Authority for Requirement: DNR Construction Permit 04-A-1064-S3 and 05-A-493-S2

Emission Point Characteristics

These emission points shall conform to the specifications listed below.

Table: Diesel Generators – Emission Point Characteristics

			Stack Characteristics				
Emission Point Number	**Associated Emission Unit Number**	**Construction Permit No.**	**Height (feet)**	**Diameter (inches)**	*Exhaust Flowrate (scfm)*	*Exhaust Temp. (°F)*	*Discharge Style*
Q5DE	Q5DE1	04-A-1064-S3	14	6	500	750	Vertical, Unobstructed
Q53	Q5DE2	05-A-493-S2	10	6	450	950	Vertical, Unobstructed

Authority for Requirement: DNR Construction Permit 04-A-1064-S3 and 05-A-493-S2

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

Monitoring Requirements

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: SCRAP

Associated Equipment

Associated Emission Unit ID Numbers: SH-1

Emission Unit vented through this Emission Point: SH-1
Emission Unit Description: Steel Scrap Handling Yard
Raw Material/Fuel: Steel scrap
Rated Capacity: NA

Applicable Requirements

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

Pollutant: Opacity
Emission Limit(s): No Visible Emissions [(1)]
Authority for Requirement: DNR Construction Permit 95-A-561-S2
567 IAC 23.3(2)"c"(1)
[(1)] No visible emissions are allowed beyond the lot line of the property.

Pollutant: PM_{10}
Emission Limit(s): 1.40 lb/hr and 6.13 tons/yr
Authority for Requirement: DNR Construction Permit 95-A-561-S2

Operating Requirements with Associated Monitoring and Recordkeeping
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

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

A. Operating limits (requirements) for Scrap Handling Yard shall include the implementation and continued incorporation of the Fugitive Dust Control Plan submitted by Harsco Corporation entitled Harsco Metals – SSAB as attached (Attachment A).
   i. Records shall be kept of all dust control activities at the plant adequate for documenting compliance with the attached Fugitive Dust Control Plan

Authority for Requirement: DNR Construction Permit 95-A-561-S2

Monitoring Requirements

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

Opacity shall be observed on a weekly basis to ensure no visible emissions at the facility lot line during the material handling operation of the units. If visible emissions are observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an opacity observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake opacity readings at approximately 2-hour intervals throughout the day. If all observation attempts for a week have been unsuccessful due to weather, an observation shall be made the next operating day where weather permits.

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

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: GASOLINE

Associated Equipment

Associated Emission Unit ID Number: GASOLINE

Emission Unit vented through this Emission Point: GASOLINE
Emission Unit Description: Gasoline Storage Tank
Raw Material/Fuel: Gasoline
Rated Capacity: 2,000 gallon capacity

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.

There are no emission limits at this time.

NESHAP:
This unit is subject to Subparts A (General Provisions, 40 CFR §63.1 – 40 CFR §63.15) and CCCCCC [National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities, 40 CFR §63.11110 – 40 CFR §63.11132]. Per the applicability criteria in Sec. 63.11111 and the definition of gasoline dispensing facility (GDF) in Sec 63.11132, this is a source subject to 40 CFR Part 63, Subpart CCCCCC.

This source has a monthly throughput of less than 10,000 gallons. Per Sec. 63.11111(b), if a GDF has a monthly throughput of less than 10,000 gallons of gasoline, the facility must comply with the requirements of Sec. 63.11116.

Attached as Appendix B to this permit, and hereby incorporated by reference is the web link to 40 CFR 63 Subpart CCCCCC.

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

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: BatchMix

Associated Equipment

Associated Emission Unit ID Numbers (if multiple units vent thru this EP): BatchMix
Emissions Control Equipment ID Number: CE 3 & CE 4
Emissions Control Equipment Description: Baghouse (CE 3) and Cyclone (CE 4)
Continuous Emissions Monitors ID Numbers: N/A

Emission Unit vented through this Emission Point: BatchMix
Emission Unit Description: Hot Mix Asphalt Plant
Raw Material/Fuel: Asphalt
Rated Capacity: 132 tons/hr

Applicable Requirements

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

Pollutant: Opacity
Emission Limit(s): 40% (1)
Authority for Requirement: DNR Construction Permit 22-A-364
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM_{10})
Emission Limit(s): 3.92 lb/hr
Authority for Requirement: DNR Construction Permit 22-A-364

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.15 gr/dscf
Authority for Requirement: DNR Construction Permit 22-A-364
567 IAC 23.4(2)
567 IAC 23.3(1)"c"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppm_v
Authority for Requirement: DNR Construction Permit 22-A-364
567 IAC 23.3(3)"e"

Pollutant: Carbon Monoxide (CO)
Emission Limit(s): 58.08 lb/hr
Authority for Requirement: DNR Construction Permit 22-A-364

NSPS Subpart I Limits

Pollutant: Opacity
Emission Limit(s): 20%
Authority for Requirement: DNR Construction Permit 22-A-364
40 CFR 60 Subpart I
567 IAC 23.1(2)"f"

Pollutant: Particulate Matter (PM)
Emission Limit(s): 90 mg/dscm (0.04 gr/dscf)
Authority for Requirement: DNR Construction Permit 22-A-364
40 CFR 60 Subpart I
567 IAC 23.1(2)"f"

Operational Requirements with Associated Monitoring and Recordkeeping

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

A. The owner or operator shall not produce more than 175,000 tons of hot mix asphalt per 12-month rolling period. The owner or operator shall demonstrate compliance by tracking the 12-month rolling total amount of hot mix asphalt produced. On a monthly basis, the owner or operator shall:
    a. Record the amount of hot mix asphalt produced, in tons, during the previous month; and,
    b. Calculate and record the amount of hot mix asphalt produced, in tons, during the previous 12-month period.
B. The owner or operator shall not crush or grind nonmetallic minerals, including those embedded in RAP, at the Hot Mix Asphalt Plant covered by this permit.
C. The owner or operator shall operate and maintain all process, air pollution control, and monitoring equipment in accordance with manufacturer's specifications and maintenance schedules. The owner or operator shall maintain a log of the following information:
    a. The date any inspection and/or maintenance was performed;
    b. Any issues identified during the inspection and the date each issue was resolved;
    c. Any issues identified during the maintenance activities and the date each issue was resolved; and
    d. Identification of the staff member performing the maintenance or inspection.
D. The dryer may only be fired by propane. The owner or operator shall maintain records detailing the type of fuel burned in the dryer.
E. The owner or operator shall maintain a record of the manufacturer's maximum heat input rating (MMBTU/hr) of the dryer.
F. The owner or operator shall not process recycled asphalt shingles (RAS) that are a regulated asbestos containing material (RACM) in the Dryer. RACM is regulated by 40 CFR Part 61, Subpart M (*Nation Emission Standard for Asbestos*, 40 CFR §61.140 – 40 CFR §61.157). The definition of RACM can be found in 40 CFR §61.141. In addition, see Appendix A to Subpart M of Part 61 (*Interpretative Rule Governing Roof Removal Operations*) for the type of roofing projects regulated by the 40 CFR Part 61, Subpart M. The owner or operator shall maintain the following records on the RAS received at the Hot Mix Asphalt Plant:
    a. The name(s) of the suppliers of the RAS and
    b. Documentation from the supplier(s) that the RAS is not a RACM, as defined in 40 CFR §61.141.

G. This Hot Mix Asphalt Plant is required to employ Best Management Practices (BMP) to reasonably prevent the discharge of fugitive dust from all process equipment, storage piles, and haul roads beyond the lot line of the property on which it is located. The following are examples of reasonable practices that may be used by the owner or operator to minimize the generation of fugitive dust emissions:
    a. BMP on process equipment include, but are not limited to:
        i. Limit the drop heights of materials being transferred to or from any stock pile, bin, or conveyor
        ii. Watering materials
        iii. If using unenclosed aggregate storage bins, do not load aggregate within two feet of the top of the bin walls
    b. BMP on haul roads include, but are not limited to:
        i. Limiting truck speed on the facility property
        ii. Watering and/or treating unpaved roadways with chemical dust suppressants
        iii. Watering and/or sweeping paved roadways
        iv. Immediately cleaning up or dampening all material spills on the roadways
    c. BMP on storage piles include, but are not limited to:
        i. Covering storage piles
        ii. Watering storage piles
        iii. Partially enclosing above ground storage piles within three sided enclosures Stock piles shall be kept as compact as possible

Authority for Requirement: DNR Construction Permit 22-A-364

NSPS/NESHAP Applicability

This unit is subject to 40 CFR 60 Subpart A (General Provisions, 40 CFR §60.1 – 40 CFR §60.19) and 40 CFR 60 Subpart I (Standards of Performance for Hot Mix Asphalt Plants, 40 CFR §60.90 – 40 CFR §60.93).

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 23
Stack Opening, (inches, dia.): 36 x 32
Exhaust Flow Rate (scfm): 17,726
Exhaust Temperature (°F): 428
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 22-A-364

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

Monitoring Requirements

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

Stack Testing:

Pollutant – Opacity [(1)]
Stack Test to be Completed by (date) – Within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup
Test Method - 40 CFR 60, Appendix A, Method 9
Authority for Requirement - 40 CFR 60 Subpart I

Pollutant – Particulate Matter (PM) [(1)]
Stack Test to be Completed by (date) – Within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup
Test Method - 40 CFR 60, Appendix A, Method 5
Authority for Requirement - 40 CFR 60 Subpart I

[(1)] A Hot Mix Asphalt Facility that commenced construction or modification after June 11, 1973 shall conduct stack testing as required by NSPS Subpart I. The owner or operator shall test all emission units subject to the standards in 40 CFR §60.92. The testing shall comply with the test methods detailed in 40 CFR §60.93. The definitions for commence, construction, and modification can be found in NSPS Subpart A (40 CFR §60.1 – 40 CFR §60.19).

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

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)

CAM Plan for BatchMix Baghouse

Emissions Unit

Emission Unit: BatchMix
Facility: Harsco Metals
Pollutant: PM
Emission Control Technique: Baghouse
Control Device Identification Number: CE 3
Emission Egress Point Identification Number: BatchMix

Applicable Requirements:

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.15 gr/dscf
Authority for Requirement: 567 IAC 23.4(2)
567 IAC 23.3(1)"c"
DNR Construction Permit 22-A-364

Monitoring Approach:

Indicator

- Daily visible emission readings and weekly pressure drop checks when operating will be used as indicators. Pressure drop checks will apply to the baghouse controlling emissions from the asphalt batch plant stack.

Measurement Approach

- A trained employee familiar with normal process operations and the appearance of the exhaust from each source is responsible for observing and reading visible emissions at the specified frequency.
- The pressure drop of the baghouse will be checked weekly to ensure that the pressure drop does not fall outside of the normal operating ranges stated in the facility Operation and Maintenance plans.

Indicator Range

- The presence of visible emissions or pressure drop outside of the normal operating range would be considered an excursion and trigger the operator to take corrective actions.
- The facility shall keep records of the normal operating pressure drop range based on manufacturer's information.
- Pressure drop should not fall outside of the normal operating range.

Performance criteria

- Data representativeness:
  - Pressure drop outside of the Indicator Range would indicate a decrease in the performance of the baghouse and potentially indicate an increase of particulate emissions.
  - The presence of any visible emissions from a properly maintained and operating fabric filter is an appropriate indicator that a bag rupture or leak is occurring, and that corrective action is necessary.

- QA/QC practices and criteria:
  - The facility shall check the pressure drop weekly when the emission unit on this emission point is in operation. If a pressure drop outside the Indicator Range is observed, corrective action will be taken within 8 hours.
  - Employees performing visible emissions observations are trained on observing the source under the appropriate conditions (e.g. lighting, sun position, etc,) and have a detailed understanding of the proper operation of the affected sources. The records of the emissions observations are periodically reviewed by the facility environmental coordinator or designee to verify that the notations are being kept properly.
- Monitoring frequency and Data collection procedure:
  - The Inspection Log will be maintained at the facility. The documentation will include control device identification, differential pressure, record of daily visible emissions, and documentation if the process was in operation at the time of visible emissions checks. Records of pressure drop readings and visible emission readings will be maintained for five years.

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. *567 IAC 22.110(1)*

2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. *567 IAC 22.110(2)*

3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 22.110(1). *567 IAC 22.110(3)*

4. The permit shield provided in subrule 22.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. *567 IAC 22.110(4)*

5. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. *567 IAC 22.108(11)*

G18. Duty to Modify a Title V Permit

1. Administrative Amendment.

a. An administrative permit amendment is a permit revision that does any of the following:

i. Correct typographical errors

ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source;

iii. Require more frequent monitoring or reporting by the permittee; or

iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittee has been submitted to the director.

b. The permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. The request shall be submitted to the director.

c. Administrative amendments to portions of permits containing provisions pursuant to Title IV of the Act shall be governed by regulations promulgated by the administrator under Title IV of the Act.

2. Minor Title V Permit Modification.

a. Minor Title V permit modification procedures may be used only for those permit modifications that satisfy all of the following:

i. Do not violate any applicable requirement;

ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit;

iii. Do not require or change a case by case determination of an emission limitation or other standard, or an increment analysis;

iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act;

v. Are not modifications under any provision of Title I of the Act; and

vi. Are not required to be processed as significant modification under rule 567 - 22.113(455B).

b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:

i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;

ii. The permittee's suggested draft permit;

iii. Certification by a responsible official, pursuant to 567 IAC 22.107(4), that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used; and

iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 22.107(7).

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

3. Significant Title V Permit Modification.

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

by affected states, and review by the administrator, as those requirements that apply to Title V issuance and renewal.

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

G19. Duty to Obtain Construction Permits

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

G20. Asbestos

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

G21. Open Burning

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

G22. Acid Rain (Title IV) Emissions Allowances

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

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

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
    a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.
    b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.
    c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.
    d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.
2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:
    a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.
    b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.
    c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.
    d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must

comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)

e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.

f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.

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

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

5. The permittee shall be allowed to switch from any ozone-depleting 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 9th 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 9th 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 9th 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 6th Street SE
Cedar Rapids, IA 52401
(319) 892-6000

Appendix A: Fugitive Dust Control Plan

FUGITIVE DUST CONTROL PLAN
HARSCO METALS - SSAB
MUSCATINE, IOWA

Revised April 2013

Fugitive dust sources of significance from this site can be categorized into three groups: Fines stockpiles, roadways/parking areas and material handling. The following information is provided to document emission control procedures to be implemented for these sources.

Plan of Control

A. Person responsible for plan implementation:

Edward Ramsey, Operations Director

B. Owner/operator responsible for plan implementation:

Harsco Metals c/o
SSAB Steel
1770 Zachary Avenue
Muscatine, Iowa 52761

C. This facility is operated within the SSAB Steel site. The following sources are operated on this site by Harsco Metals:

1. Fugitive Sources
   a) Stockpiles
   b) Roadways and Parking Areas
   c) Material Handling Activity

2. Stationary Process Sources
   a) Main Recovery Plant
   b) Scrap Handling Facility

D. Control Measures to be Implemented

1. Stockpile Control Measures:

a) Storage piles subject to wind erosion conditions shall be wetted with water or water/surfactant mixture as required to control emissions. Rainfall shall be considered an acceptable means of water supply.

b) Active areas of fines stockpiles shall be sprayed with water or water/surfactant mixture during and after load-out as required to prevent excessive emissions.

2. Roadway/Parking Areas Control Measures:

a) All Harsco Metal maintained unpaved roadways subject to mobile equipment traffic shall be treated with Petro-Tac or other equivalent dust suppressant chemical as frequently as necessary to prevent excessive emissions. Chemically treated unpaved roads must be water washed as necessary to remove any silt build-up.

b) Harsco Metal supervision and water truck operator shall monitor road conditions and advise Superintendent when action is needed. Superintendent shall be responsible for initiating additional applications of dust suppressant chemical or water as needed.

c) Spraying of roadways on days where 0.1 inch or greater precipitation has occurred within the previous 24 hours shall not be required. However it is the responsibility of the Superintendent to make observations and final determinations as to the need for applications.

d) The maximum vehicle speed permitted on Harsco Metal maintained roads shall be 15 MPH. Mill security and/or Harsco Metal supervision will enforce this limit.

e) Inactive roadways/parking areas shall be closed to all traffic, except by special permission.

f) Berming and/or traffic control barriers shall be installed if necessary to restrict traffic to emission controlled roadways only.

g) Prompt cleanup of spilled materials and carry-on dust is required of road maintenance personnel.

3. Material Handling Control Measures

a) A wet suppression system shall be provided to cool and wet all materials prior to handling or processing. The water shall be applied at the slag dumping areas in quantities as necessary to increase material moisture content to no less than 1.5% by weight.

b) Additional water or water/surfactant mixture may be applied where necessary to control material handling emissions.

c) During stocking and de-stocking operations, front-end loader bucket drop height shall be minimized to the lowest practical level. Equipment operators shall be instructed to use care when unloading materials. Dump truck loads must be dumped slowly.

E. Control Interruptions and Countermeasures

1. Stockpiles

a) Raw materials received are extremely hot, sub-freezing weather conditions generally do not reduce emission controls in the primary process. Water supply systems are designed for operation in freezing weather.

b) Finished slag product stockpiles contain >1% moisture to control emissions. Slag materials contain sufficient lime to cause a natural crust formation over undisturbed piles.

c) During periods when emission control systems are inoperable, the plant Superintendent shall contact the Agency to provide notice of such conditions. If necessary, facility operations must be shut-down until control systems are again operable.

2. Roadways/Parking Areas

a) Freezing weather conditions and equipment breakdowns present the primary cause of control interruption. The consistent chemical treatment of un-paved roads during the summer and fall will provide sufficient binding of the road base to control emissions through the winter months when water/chemicals cannot be applied. During periods when the water/chemical truck is down for repairs, arrangements will be made with SSAB or other local contractors for this service. Otherwise, activities must be curtailed until control equipment is again operable.

3. Material Handling Activity

a) Normal operating procedure require materials to be thoroughly wetted before handling. This is accomplished during the primary cooling and quenching process. Should these control systems be inoperable, alternative means of wetting materials must be employed (ie: tanker truck, loader buckets, or dump trucks) or the material handling activity must be curtailed.

F. Record Keeping Requirements

1. A Roads Maintenance Log will be maintained to record all specifics of road maintenance including the following:

a) Road name and location
b) Liquid application rate
c) Date and time of application
d) Width of application
e) Method of application
f) Water/chemical quantity
g) Chemical name and concentration
h) MSDS for chemicals used

2. A Log of Control Interruptions will be maintained to document incidents when control systems were inoperable.

Appendix B: 40 CFR Part 63, Subpart CCCCCC

Web Link to the National Emissions Standards for Hazardous Air Pollutants: Gasoline Dispensing Facilities

www.gpo.gov/fdsys/

See Featured Collections

- **Code of Federal Regulations**
- **Choose year**
- **Title 40**
- **Part 63**