

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

Name of Permitted Facility: John Deere-Davenport Works

Facility Location: 1175 E 90th Street

Davenport, IA 52804

Air Quality Operating Permit Number: 01-TV-008R3-M001

Expiration Date: July 22, 2023

Permit Renewal Application Deadline: January 22, 2023

EIQ Number: 92-1314

Facility File Number: 82-01-043

Responsible Official

Name: Ms. Mary Pat Tubb

Title: General Manager

Mailing Address: P.O. Box 4198

Davenport, IA 52808

Phone #: (563)-388-4201

Permit Contact Person for the Facility

Name: Ms. Laura Evans

Title: Environmental Manager

Mailing Address: P.O. Box 4198

Davenport, IA 52808

Phone #: (563)-388-4451

Email: EvansLauraE@johndeere.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

Lori Hanson, Supervisor of Air Operating Permits Section

Date

Table of Contents

I. Facility Description and Equipment List	4
II. Plant - Wide Conditions.....	8
III. Emission Point Specific Conditions	12
IV. General Conditions.....	73
G1. Duty to Comply	
G2. Permit Expiration	
G3. Certification Requirement for Title V Related Documents	
G4. Annual Compliance Certification	
G5. Semi-Annual Monitoring Report	
G6. Annual Fee	
G7. Inspection of Premises, Records, Equipment, Methods and Discharges	
G8. Duty to Provide Information	
G9. General Maintenance and Repair Duties	
G10. Recordkeeping Requirements for Compliance Monitoring	
G11. Evidence used in establishing that a violation has or is occurring.	
G12. Prevention of Accidental Release: Risk Management Plan Notification and Compliance Certification	
G13. Hazardous Release	
G14. Excess Emissions and Excess Emissions Reporting Requirements	
G15. Permit Deviation Reporting Requirements	
G16. Notification Requirements for Sources That Become Subject to NSPS and NESHAP Regulations	
G17. Requirements for Making Changes to Emission Sources That Do Not Require Title V Permit Modification	
G18. Duty to Modify a Title V Permit	
G19. Duty to Obtain Construction Permits	
G20. Asbestos	
G21. Open Burning	
G22. Acid Rain (Title IV) Emissions Allowances	
G23. Stratospheric Ozone and Climate Protection (Title VI) Requirements	
G24. Permit Reopenings	
G25. Permit Shield	
G26. Severability	
G27. Property Rights	
G28. Transferability	
G29. Disclaimer	
G30. Notification and Reporting Requirements for Stack Tests or Monitor Certification	
G31. Prevention of Air Pollution Emergency Episodes	
G32. Contacts List	

V. Appendix A – NSPS and NESHAP Requirements Web Links.....86

40 CFR Part 63, Subpart A: Web Link to National Emissions Standards for Hazardous Air Pollutants for Source Categories: General Provisions

40 CFR Part 60, Subpart Dc: Web Link to Standards of Performance for Small Industrial-Commercial Institutional Steam Generating Units.

40 CFR Part 60, Subpart IIII: Web Link to Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

40 CFR Part 63, Subpart XXXXXX: Web Link to National Emissions Standards for Hazardous Air Pollutants: Area Source Standards for Nine Metal Fabrication and Finishing Source Categories

40 CFR Part 63, Subpart ZZZZ: Web Link to National Emissions Standards for Hazardous Air Pollutants: Stationary Reciprocating Internal Combustion Engines

40 CFR Part 63, Subpart CCCCCC: Web Link to National Emissions Standards for Hazardous Air Pollutants: Gasoline Dispensing Facilities

Abbreviations

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

Pollutants

PM.....particulate matter
 PM₁₀.....particulate matter ten microns or less in diameter
 SO₂sulfur dioxide
 NO_xnitrogen oxides
 VOC.....volatile organic compound
 CO.....carbon monoxide
 HAP.....hazardous air pollutant

I. Facility Description and Equipment List

Facility Name: John Deere Davenport Works

Permit Number: 01-TV-008R3-M001

Facility Description: Manufacturing construction machinery (SIC 3531)

Equipment List

A. Prime and Top Coat Paint Booths

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
AE17	EU57	Prime Paint Booth	05-A-161-S4
AE18			05-A-162-S4
AE19	EU58	Top Coat Paint Booth	05-A-163-S5
AE20			05-A-164-S5

B. Manual and Robotic Paint Booths

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
AE22	EU73	Manual Paint Booth	12-A-027-S2
AE23			12-A-028-S2
AE24			12-A-029-S2
AE25	EU74	Robotic Paint Booth	12-A-030-S2
AE26			12-A-031-S2
AE27			12-A-032-S2
AE28			12-A-033-S2

C. Touch Up Paint Booths

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
AE29	EU82	Touch Up Paint Booth	12-A-075-S1

D. Natural Gas Boilers

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
GE1	EU20	Natural Gas Boiler	N/A
GE2	EU21	Natural Gas Boiler	N/A

E. Unvented Welding

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
FUGWELD	EU30	Welding Operations	13-A-065

F. Cutting Operations

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
FUGPC	EU38	Plasma Cutting	N/A
FUGTC	EU40	Thermal Cutting	N/A

G. Storage Tanks

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
EPT01	EUT01	Diesel Fuel #1 Storage Tank (10,000 gal.)	01-A-300-S3
EPT02	EUT02	Antifreeze Tank (10,000 gal.)	01-A-301
EPT03	EUT03	Hydraulic Oil Tank (15,000 gal.)	01-A-303
EPT04	EUT04	Engine Oil Tank (15,000 gal.)	01-A-304
EPT05	EUT05	Lead Free Gasoline Tank (1,000 gal.)	NA
EPT09	EUT09	Used Coolant Tank (6,000 gal.)	01-A-302

H. Back Up Diesel Engines

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
JE08	EU08	Back Up Diesel Fire Pump	N/A
JE09	EU09	Back Up Diesel Fire Pump	N/A

I. Portable Diesel Engines

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
JV05	EU107	Portable Diesel Engine	N/A

J. Emergency Generators

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
EP49	EU49	Emergency Generator (Natural Gas)	N/A
EP50	EU50	Emergency Generator (Natural Gas)	N/A

K. Miscellaneous Sources

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
FUGVOC	EU23	Miscellaneous Fugitive VOC Sources	05-A-549-S1
QE15	EU35	Reclaim Welding Operations	98-A-452
PM02	EU53	Paint Mixing Room	00-A-802
CE4	EU59	Paint Curing Oven	05-A-165
CE5			05-A-166-S1
AE21	EU60	Catalyst Paint Mixing Room	05-A-167
GE7	EU61	Hot Water Boiler	05-A-183
SB07	SB07	Oxide Removal Machine	19-A-090

L. Plasma and Laser Cutters

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
PC1	EU89 & EU95	Two HyDefinition Plasma Cutters	13-A-432-S1
PC2	EU90 and EU91	Two HyDefinition Plasma Cutters	13-A-433-S1
PC3	EU92 and EU93	HyDefinition Plasma Cutter, EU92 and HyDefinition Plasma and Laser Cutter, EU93	13-A-434-S1
PC4	EU94	HyDefinition Plasma and Laser Cutter, EU94	13-A-435-S1

M. Shot Blast

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
SB01	SB01	Shot Blast Pangborn #M17711	18-A-417
SB03	SB03	Shot Blast Pangborn #M16684	18-A-419
SB04	SB04	Shot Blast Pangborn #M16685	18-A-420
SB05	SB05	Shot Blast Wheelabrator #M16176	18-A-421

N. Abrading Equipment

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
SB08	SB06	Enclosed Tumble Blast	19-A-135
	SB08	Enclosed Shotblast – BCT Plate Blast	
	SB09	Enclosed Drum Blast	

Insignificant Activities Equipment List

Insignificant Emission Unit Number	Insignificant Emission Unit Description
EU22	Miscellaneous Natural Gas Heaters (< 10 MMBtu/hr)
EUT06	#2 Diesel Fuel Oil Tank (1,000 gal)
EUT07	Process Water Tank (20,000 gal)
EUT08	Process Water Tank (20,000 gal)
EUT010	Used Oil Tank (6,000 gal)
W01	Wood Shop Dust Collector
EU68 ¹	Solvent Still
EU39A and EU39B ¹	Laser Cutting
EU96 ¹	Cartridge Filter Cleaning Machine
EU99 ¹	400T Office Chiller Cooling Tower
EU100 ¹	4500T Office Chiller Cooling Tower
EU101 ¹	600T Office Chiller Cooling Tower
WB01 ¹	ADT (Reclaim) Wash Bay
WB02 ¹	Small Loader Wash Bay
WB03 ¹	Large Loader Wash Bay
WB04 ¹	Skidder Wash Bay
WB05 ¹	Grader Wash Bay
WB06 ¹	Maintenance Wash Bay
3DPRINT01 ¹	3D Printer (Zortrax M200) - Graders
EU108 ¹	Circle Induction Hardener
EU109 ¹	Hydefinition Plasma 8
EU110 ¹	Oxyfuel

¹ Emission Units qualify for Small Unit Exemption under 567 IAC 22.1(2)"w". Records shall be kept in accordance with 567 IAC 22.1(2)"w"(3).

II. Plant-Wide Conditions

Facility Name: John Deere Davenport Works
Permit Number: 01-TV-008R3-M001

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: July 23, 2018
Ending on: July 22, 2023

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

Emission Limits

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

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

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

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

Facility-Wide Emission Limits

The atmospheric emissions from the facility shall not exceed the following:

Pollutant: Hazardous Air Pollutants (HAPS)

Emission Rate (tons/yr): Single HAP 7.5 ⁽¹⁾, Total HAP 17.0 ⁽¹⁾

Authority for Requirement: See Emission Point-Specific Conditions for construction permit citations.

⁽¹⁾ Covers all HAP emitting units at the facility **except** combustion, storage tanks, welding, shot blasting, and metal cutting units.

Facility-Wide Operational Limits

Unless specified otherwise in the Emission Point-Specific Conditions, the following limitations and supporting regulations apply to all emission points at this facility:

Reporting & Recordkeeping

All records, as required in Emission Point-Specific Conditions, shall be satisfactory for demonstrating compliance with all applicable emission limits. Records shall be kept on-site for five years and shall be available for inspection by the Department. Records shall be maintained in a legible and orderly manner.

Authority for Requirement: See Emission Point-Specific Conditions for construction permit citations.

40 CFR 60 Subpart Dc

EU61, the Hot Water Boiler is subject to NSPS Subpart Dc – Standards of Performance for Small Industrial-Commercial Institutional Steam Generating Units.

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

40 CFR 60 Subpart IIII

EU107, the portable engine, is subject to NSPS Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

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

40 CFR 63 Subpart A

Emission points SB08, AE17, AE18, AE19, AE20, AE21, AE22, AE23, AE24, AE25, AE26, AE27, AE28, AE29 and SB07 are subject to 40 CFR 63 Subpart A - National Emission Standards for Hazardous Air Pollutants for Source Categories: General Provisions.

Authority for Requirement: 40 CFR Part 63 Subpart A
567 IAC 23.1(4)

40 CFR 63 Subpart XXXXXX

The Prime, Topcoat, Manual, Robotic and Touch-Up paint booths (EU57, EU58, EU73, EU74 and EU82), Welding (EU30 and EU35), Cutting Operations (plasma, laser and thermal cutting operations are excluded), the Shot Blast (SB01, SB03, SB04, SB05, SB06, SB08, SB09) and SB07 are subject to 40 CFR 63 Subpart XXXXXX National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Nine Metal Fabrication and Finishing Source Categories.

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

40 CFR 63 Subpart ZZZZ

The Back Up Diesel Fire Pumps (EU08 and EU09), Emergency Generators (EU49 and EU50) and portable engine (EU107) are subject to 40 CFR 63 Subpart ZZZZ National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Stationary Reciprocating Internal Combustion Engines (RICE).

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

40 CFR Part 63, Subpart CCCCCC

Dispensing from the gasoline tank, EPT05 is subject to 40 CFR Part 63, Subpart CCCCCC, National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities.

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

III. Emission Point-Specific Conditions

Facility Name: John Deere Davenport Works
 Permit Number: 01-TV-008R3-M001

Emission Point ID Number: AE17, AE18, AE19 and AE20

Associated Equipment

Associated Emission Unit ID Numbers: EU57, EU58
 Emissions Control Equipment ID Number: C157, C158
 Emissions Control Equipment Description: Down Draft Wet Collectors

Table: Prime and Top Coat Paint Booths

Emission Point Number	Associated Emission Unit Number	Emission Unit Description	Raw Material	Rated Capacity (gal/hr.)	Construction Permit No.
AE17	EU57	Prime Paint Booth	Paint	4-Guns simultaneously. Guns are electrostatic @ 9.48 gallons per hour each	05-A-161-S4
AE18					05-A-162-S4
AE19	EU58	Top Coat Paint Booth	Paint	2-Guns simultaneously. Guns are electrostatic @ 9.48 gallons per hour each	05-A-163-S5
AE20					05-A-164-S5

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

Authority for Requirement: DNR Construction Permits specified in Table: Prime and Top Coat Paint Booths
 567 IAC 23.3(2)"d"

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

Pollutant: PM₁₀

Emission Limit(s): 1.86 lb/hr ⁽²⁾

Authority for Requirement: DNR Construction Permits 05-A-161-S4 & 05-A-162-S4

⁽²⁾ This limit applies to the combination of ALL exhaust from this booth (EU57)

Pollutant: PM₁₀

Emission Limit(s): 0.87 lb/hr ⁽³⁾

Authority for Requirement: DNR Construction Permits 05-A-163-S5 & 05-A-164-S5

⁽³⁾ This limit applies to the combination of ALL exhaust from this booth (EU58)

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.01 gr/dscf

Authority for Requirement: DNR Construction Permits specified in Table: Prime and Top Coat Paint Booths
567 IAC 23.4(13)

Pollutant: Volatile Organic Compounds (VOCs)

Emission Limit: 178.0 tons/yr ⁽⁴⁾

Authority for Requirement: DNR Construction Permits specified in Table: Prime and Top Coat Paint Booths

⁽⁴⁾ Combined limit for all surface coating and solvent operations (EU57, EU58, EU74 and EU82) at the facility (82-01-043).

Facility-Wide Limits

Pollutant: Hazardous Air Pollutants (HAPS)

Emission Limits: Single HAP 7.5 tons/yr ⁽⁵⁾, Total HAP 17.0 tons/yr ⁽⁵⁾

Authority for Requirement: DNR Construction Permits specified in Table: Prime and Top Coat Paint Booths

⁽⁵⁾ Covers all HAP emitting units at the facility **except** combustion, storage tanks, welding, shot blasting, and metal cutting units.

NESHAP

This source is subject to the requirements of 40 CFR 63, Subpart A, General Provisions and 40 CFR Part 63, Subpart XXXXXX, National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories. The subpart applies if the facility uses materials that contain or have the potential to emit metal fabrication or finishing metal HAP (MFHAP), which are the compounds of cadmium, chromium, lead, manganese, and nickel, or any of these metals in the elemental form with the exception of lead.

Authority for Requirement: 40 CFR 63 Subpart A
40 CFR 63 Subpart XXXXXX
567 IAC 23.1(4)
567 IAC 23.1(4)"ex"

Operating Requirements and Associated Recordkeeping

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

VOC and HAP Operating Requirements

- A. Total VOC emissions from all surface coating and solvent sources (EU57, EU58, EU73, EU74 and EU82) at this facility (Plant Number: 82-01-043) shall not exceed 178 tons per rolling twelve-month period. All VOC-containing materials used in the surface coating and solvent sources (EU57, EU58, EU73, EU74 and EU82) shall be included in the emissions.
- B. Individual HAP emissions from all units and activities at the facility (Plant Number: 82-01-043) which emit HAPs, excluding all combustion, storage tanks, welding, shot blasting, and metal cutting units, shall not exceed 7.5 tons per rolling twelve-month period.
- C. Total cumulative HAP emissions from all units and activities at the facility (Plant Number: 82-01-043) which emit HAPs, excluding all combustion, storage tanks, welding, shot blasting, and metal cutting units, shall not exceed 17.0 tons per rolling twelve-month period.
- D. The permittee (or owner or operator) shall maintain the following daily records:
 - a. The identification of each VOC-containing and/or HAP-containing surface coating and solvent material used at the facility.
 - b. The amount of each VOC-containing and/or HAP-containing surface coating and solvent material, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, used at the facility. For the purposes of calculating emissions, all VOCs and HAPs may be considered emitted on the day the materials are delivered to the facility or to the production line or removed from storage.
- E. The permittee shall maintain the following monthly records:
 - a. The identification, the VOC content, the HAP content, and the amount of each VOC-containing material and HAP-containing material used surface coating and solvent operations (EU57, EU58, EU73, EU74 and EU82) used at the facility.
 - b. The amount of each VOC-containing surface coating and solvent material used at the facility. For the purposes of calculating emissions, all VOC may be considered emitted on the day the materials are delivered to the facility or to the production line.
 - c. The amount of VOC emissions from the surface coating and solvent sources (EU57, EU58, EU73, EU74 and EU82), in tons.
 - d. The 12-month rolling total of the amount of VOC emissions from the surface coating and solvent sources (EU57, EU58, EU73, EU74 and EU82), in tons.
 - e. The amount of each individual HAP emissions from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility in tons.
 - f. The 12-month rolling total of each individual HAP emitted from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility, in tons.
 - g. The amount of all HAPs from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility, in tons.

- h. The 12-month rolling total of all HAPs emitted from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility, in tons.
- F. If the 12-month rolling total of the VOC emissions from all surface coating and solvent sources exceeds 142.4 tons, the permittee shall immediately begin keeping the following daily records:
- a. The amount of VOC emissions from the surface coating and solvent sources listed (EU57, EU58, EU73, EU74 and EU82), in tons.
 - b. The 365-day rolling total of the amount of VOC emissions from the surface coating and solvent sources (EU57, EU58, EU73, EU74 and EU82), in tons.
 - c. Daily calculations for VOC emissions shall continue until the 365-day rolling total of the amount of VOC emissions from all surface coating and solvent sources drops below 142.4 tons for the remainder of the current calendar month plus one additional calendar month. At that time, rolling daily calculation of VOC emissions will cease per Operating Requirement F of this permit. If the emissions once again exceed 142.4 tons, daily recordkeeping will be required per Operating Requirement F of this permit.
- G. If the 12-month rolling total of any individual HAP emitted from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility exceeds 6.0 tons per rolling 12-month period, the permittee shall maintain the following daily records:
- a. The amount of individual HAP emissions all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility, in tons.
 - b. The 365-day rolling total of the amount of individual HAP emissions from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility, in tons.
 - c. Daily calculations for individual HAP emissions shall continue until the 365-day rolling total of the amount of individual HAP emissions from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility drops below 6.0 tons for the remainder of the current calendar month plus one additional calendar month. At that time, rolling daily calculation of individual HAP emissions will cease per Operating Requirement G of this permit. If the emissions once again exceed 6.0 tons, daily recordkeeping will be required per Operating Requirement G of this permit.
- H. If the 12-month rolling total of cumulative HAPs emitted from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility exceeds 13.6 tons per rolling 12-month period, the permittee shall maintain the following daily records:
- a. The amount of cumulative HAP emissions from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility, in tons.
 - b. The 365-day rolling total of the amount of cumulative HAP emissions from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility, in tons.
 - c. Daily calculations for cumulative HAP emissions shall continue until the 365-day rolling total of the amount of cumulative HAP emissions from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility drops below 13.6 tons for the remainder of the current calendar month plus one

additional calendar month. At that time, rolling daily calculation of cumulative HAP emissions will cease per Operating Requirement H of this permit. If the emissions once again exceed 6.0 tons, daily recordkeeping will be required per Operating Requirement H of this permit.

- I. The owner or operator may take credit for any waste VOC and/or HAP shipped off-site. The owner or operator shall record the amount of waste shipped off-site from surface coating and solvent operations, and also analyze the VOC and/or HAP content of the waste once every calendar year quarter. The sample analyzed shall be taken as a representative sample (as defined in 40 CFR §260.10) of the waste sent off-site for that quarter and shall be taken as representative until the subsequent quarter's analysis is received. The credit (calculated from the most current analysis and the amount shipped off-site) may be subtracted from the VOC and/or HAP (individual and cumulative) rolling totals as of the date the waste is shipped off-site.
- J. The permittee shall maintain records (SDS, product technical data sheet or equivalent) that clearly indicate the VOC content and HAP content (individual and cumulative) of each surface coating material (paint, primer, solvent, etc.) used in the emission units (EU57, EU58, EU73, EU74 and EU82).

Wet Collector Control Device Requirements (EU57 & EU58)

- K. As per 40 CFR §63.11516(d)(1)(iv), the water curtain shall be operated and maintained according to the manufacturer's specifications and achieve at least 98% control of MFHAP.
 - a. The owner or operator shall maintain a record of the water curtain efficiency demonstrations performed in accordance with 40 CFR §63.11516(d)(1)(ii).
 - b. Owners and operators may use published control efficiency data provided by the control system vendors to demonstrate compliance with this requirement (Operating Requirement K.a).
 - c. The owner or operator shall maintain the manufacturer's instructions on-site and readily available for inspection.
 - d. These requirements do not apply when spray-applied paints that do not contain MFHAP are being applied.

Spray Booth Requirements

- L. As per 40 CFR §63.11516(d)(1)(i), spray booths or spray rooms must have a full roof, at least two complete walls, and one or two complete side curtains or other barrier material so that all four sides are covered.
- M. As per 40 CFR §63.11516(d)(2), all paints applied via spray-applied painting must be applied with a high-volume, low-pressure (HVLP) spray gun, electrostatic application, airless spray gun, air-assisted airless spray gun, or an equivalent technology that is demonstrated to achieve transfer efficiency comparable to one of these spray gun technologies for a comparable operation.
- N. The owner or operator shall maintain documentation of the HVLP or other high transfer efficiency spray paint delivery methods, as detailed in §63.11519(c)(7).
- O. As per 40 CFR §63.11516(d)(4), all cleaning of paint spray guns must be done with either non-HAP gun cleaning solvents, or in such a manner that an atomized mist of spray of gun cleaning solvent and paint residue is not created outside of a container that collects the used gun cleaning solvent.
- P. As per 40 CFR §63.11516(d)(5), all workers performing painting must be certified that they have completed training in the proper spray application of paints and the proper setup and

maintenance of spray equipment. These requirements do not apply to operators of robotic or automated painting operations.

- a. As per 40 CFR §63.11516(d)(6), the owner or operator shall ensure and certify that all new and existing personnel, including contract personnel, who spray apply paints are trained in the proper application of paints as required by 40 CFR §63.11516(d)(5). The training program must include, at a minimum:
 - i. A list of all current personnel by name and job description who are required to be trained;
 - ii. Hands-on, or in-house or external classroom instruction that addresses, at a minimum, initial and refresher training in the topics listed in 40 CFR §63.11516(d)(6)(ii); and,
 - iii. As per 40 CFR §63.11516(d)(6)(iii), a description of the methods to be used at the completion of initial or refresher training to demonstrate, document, and provide certification of successful completion of the required training.
 - b. As per 40 CFR §63.11516(d)(7), the owner or operator shall maintain records of employee training certification for use of HVLP or other high transfer efficiency spray paint delivery methods.
- Q. The owner or operator shall maintain records and submit notifications in accordance with 40 CFR §63.11519.

Authority for Requirement: DNR Construction Permits specified in Table: Prime and Top Coat Paint Booths
40 CFR 63 Subpart XXXXXX
567 IAC 23.1(4)"ex"

Emission Point Characteristics

These emission points shall conform to the conditions specified in Table: Prime and Top Coat Paint Booth Stacks

Table: Prime and Top Coat Paint Booth Stacks			Stack Characteristics				
Emission Point Number	Emission Unit Number	Construction Permit #	Height (feet)	Diameter (inches)	Exhaust Flowrate (scfm)	Exhaust Temp. (F)	Stack Characteristics
AE17	EU57	05-A-161-S4	55	48	36,300	72	Vertical Unobstructed
AE18		05-A-162-S4	55	48	36,300	72	Vertical Unobstructed
AE19	EU58	05-A-163-S5	55	48	36,300	72	Vertical Unobstructed
AE20		05-A-164-S5	55	48	36,300	72	Vertical Unobstructed

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: See Table: Manual and Robotic Paint Booths

Associated Equipment

Associated Emission Unit ID Numbers: See Table: Manual and Robotic Paint Booths

Emissions Control Equipment ID Number: C73 & C74

Emissions Control Equipment Description: 2-Stage Dry Filters

Table: Manual and Robotic Paint Booths

Emission Point Number	Associated Emission Unit Number	Emission Unit Description	Raw Material	Rated Capacity (gal/hr.)	Construction Permit No.
AE22	EU73	Manual Paint Booth	Paint	EU73: 2-Guns simultaneously. Guns are HVLP guns @ 9.48 gallons/hour each*	12-A-027-S2
AE23					12-A-028-S2
AE24					12-A-029-S2
AE25	EU74	Robotic Paint Booth	Paint	EU74: 6-Guns simultaneously. Guns are Turbobell guns @ 15.85 gallons/hour each	12-A-030-S2
AE26					12-A-031-S2
AE27					12-A-032-S2
AE28					12-A-033-S2

* Paint may come from paint kitchen or pressure pots

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

Authority for Requirement: DNR Construction Permits specified in Table: Manual and Robotic Paint Booths
567 IAC 23.3(2)"d"

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

Pollutant: PM₁₀

Emission Limit(s): 1.73 lb/hr ⁽²⁾

Authority for Requirement: DNR Construction Permits 12-A-027-S2, 12-A-028-S2 & 12-A-029-S2

⁽²⁾ This limit applies to the combination of ALL exhaust from this booth (EU73).

Pollutant: PM₁₀

Emission Limit(s): 2.54 lb/hr ⁽³⁾

Authority for Requirement: DNR Construction Permits 12-A-030-S2, 12-A-031-S2,
12-A-032-S2 & 12-A-033-S2

⁽³⁾ This limit applies to the combination of ALL exhaust from this booth (EU74)

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.01 gr/dscf

Authority for Requirement: DNR Construction Permits specified in Table: Manual and Robotic Paint
Booths
567 IAC 23.4(13)

Pollutant: Volatile Organic Compounds (VOCs)

Emission Limit: 178.0 tons/yr ⁽⁴⁾

Authority for Requirement: DNR Construction Permits specified in Table: Manual and Robotic Paint
Booths

⁽⁴⁾ Requested limit for all surface coating and solvent operations (EU57, EU58, EU73, EU74 and EU82) at the facility (82-01-043).

Facility-Wide Limits

Pollutant: Hazardous Air Pollutants (HAPS)

Emission Limit(s): 7.5 ⁽⁵⁾ tons/yr (single HAP) and 17.0 ⁽⁵⁾ tons/yr (total HAPS)

Authority for Requirement: DNR Construction Permits specified in Table: Manual and Robotic Paint
Booths

⁽⁵⁾ Covers all HAP emitting units at the facility **except** combustion, storage tanks, welding, shot blasting, and metal cutting units.

NESHAP

This source is subject to the requirements of 40 CFR 63, Subpart A, General Provisions and 40 CFR Part 63, Subpart XXXXXX, National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories. The subpart applies if the facility uses materials that contain or have the potential to emit metal fabrication or finishing metal HAP (MFHAP), which are the compounds of cadmium, chromium, lead, manganese, and nickel, or any of these metals in the elemental form with the exception of lead.

Authority for Requirement: 40 CFR 63 Subpart A
40 CFR 63 Subpart XXXXXX
567 IAC 23.1(4)
567 IAC 23.1(4)"ex"

Operating Requirements and Associated Recordkeeping

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

VOC and HAP Operating Requirements

- A. Total VOC emissions from all surface coating and solvent sources (EU57, EU58, EU73, EU74 and EU82) at this facility (Plant Number: 82-01-043) shall not exceed 178 tons per rolling twelve-month period. All VOC-containing materials used in the surface coating and solvent sources (EU57, EU58, EU73, EU74 and EU82) shall be included in the emissions.
- B. Individual HAP emissions from all units and activities at the facility (Plant Number: 82-01-043) which emit HAPs, excluding all combustion, storage tanks, welding, shot blasting, and metal cutting units, shall not exceed 7.5 tons per rolling twelve-month period.
- C. Total cumulative HAP emissions from all units and activities at the facility (Plant Number: 82-01-043) which emit HAPs, excluding all combustion, storage tanks, welding, shot blasting, and metal cutting units, shall not exceed 17.0 tons per rolling twelve-month period.
- D. The permittee (or owner or operator) shall maintain the following daily records:
 - a. The identification of each VOC-containing and/or HAP-containing surface coating and solvent material used at the facility.
 - b. The amount of each VOC-containing and/or HAP-containing surface coating and solvent material, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, used at the facility. For the purposes of calculating emissions, all VOCs and HAPs may be considered emitted on the day the materials are delivered to the facility or to the production line or removed from storage.
- E. The permittee shall maintain the following monthly records:
 - a. The identification, the VOC content, the HAP content, and the amount of each VOC-containing material and HAP-containing material used surface coating and solvent operations (EU57, EU58, EU73, EU74 and EU82) used at the facility.
 - b. The amount of each VOC-containing surface coating and solvent material used at the facility. For the purposes of calculating emissions, all VOC may be considered emitted on the day the materials are delivered to the facility or to the production line.
 - c. The amount of VOC emissions from the surface coating and solvent sources (EU57, EU58, EU73, EU74 and EU82), in tons.
 - d. The 12-month rolling total of the amount of VOC emissions from the surface coating and solvent sources (EU57, EU58, EU73, EU74 and EU82), in tons.
 - e. The amount of each individual HAP emissions from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility in tons.
 - f. The 12-month rolling total of each individual HAP emitted from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility, in tons.
 - g. The amount of all HAPs from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility, in tons.

- h. The 12-month rolling total of all HAPs emitted from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility, in tons.
- F. If the 12-month rolling total of the VOC emissions from all surface coating and solvent sources exceeds 142.4 tons, the permittee shall immediately begin keeping the following daily records:
- a. The amount of VOC emissions from the surface coating and solvent sources (EU57, EU58, EU73, EU74 and EU82), in tons.
 - b. The 365-day rolling total of the amount of VOC emissions from the surface coating and solvent sources (EU57, EU58, EU73, EU74 and EU82), in tons.
 - c. Daily calculations for VOC emissions shall continue until the 365-day rolling total of the amount of VOC emissions from all surface coating and solvent sources drops below 142.4 tons for the remainder of the current calendar month plus one additional calendar month. At that time, rolling daily calculation of VOC emissions will cease per Operating Requirement F of this permit. If the emissions once again exceed 142.4 tons, daily recordkeeping will be required per Operating Requirement F of this permit.
- G. If the 12-month rolling total of any individual HAP emitted from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility exceeds 6.0 tons per rolling 12-month period, the permittee shall maintain the following daily records:
- a. The amount of individual HAP emissions all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility, in tons.
 - b. The 365-day rolling total of the amount of individual HAP emissions from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility, in tons.
 - c. Daily calculations for individual HAP emissions shall continue until the 365-day rolling total of the amount of individual HAP emissions from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility drops below 6.0 tons for the remainder of the current calendar month plus one additional calendar month. At that time, rolling daily calculation of individual HAP emissions will cease per Operating Requirement G of this permit. If the emissions once again exceed 6.0 tons, daily recordkeeping will be required per Operating Requirement G of this permit.
- H. If the 12-month rolling total of cumulative HAPs emitted from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility exceeds 13.6 tons per rolling 12-month period, the permittee shall maintain the following daily records:
- a. The amount of cumulative HAP emissions from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility, in tons.
 - b. The 365-day rolling total of the amount of cumulative HAP emissions from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility, in tons.
 - c. Daily calculations for cumulative HAP emissions shall continue until the 365-day rolling total of the amount of cumulative HAP emissions from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility drops below 13.6 tons for the remainder of the current calendar month plus one

additional calendar month. At that time, rolling daily calculation of cumulative HAP emissions will cease per Operating Requirement H of this permit. If the emissions once again exceed 6.0 tons, daily recordkeeping will be required per Operating Requirement H of this permit.

- I. The owner or operator may take credit for any waste VOC and/or HAP shipped off-site. The owner or operator shall record the amount of waste shipped off-site from surface coating and solvent operations, and also analyze the VOC and/or HAP content of the waste once every calendar year quarter. The sample analyzed shall be taken as a representative sample (as defined in 40 CFR §260.10) of the waste sent off-site for that quarter and shall be taken as representative until the subsequent quarter's analysis is received. The credit (calculated from the most current analysis and the amount shipped off-site) may be subtracted from the VOC and/or HAP (individual and cumulative) rolling totals as of the date the waste is shipped off-site.
- J. The permittee shall maintain records (SDS, product technical data sheet or equivalent) that clearly indicate the VOC content and HAP content (individual and cumulative) of each surface coating material (paint, primer, solvent, etc.) used in the emission units (EU57, EU58, EU73, EU74 and EU82).

Dry Filter Control Device Requirements (EU73, & EU74)

- K. As per 40 CFR §63.11516(d)(1)(ii), the filter technology shall achieve at least 98% capture of MFHAP.
 - a. Owners and operators may use published filter efficiency data provided by the control system vendors to demonstrate compliance with this requirement (Operating Requirement K).
 - b. As per 40 CFR §63.11516(d)(1)(iii), the owner or operator shall perform regular inspection and replacement of the filters in the spray booths or spray rooms according to manufacturer's instructions.
 - c. The owner or operator shall maintain a record of the filter efficiency demonstrations and spray paint booth maintenance activities.
 - d. These requirements do not apply when spray-applied paints that do not contain MFHAP are being applied.

Spray Booth Requirements

- L. As per 40 CFR §63.11516(d)(1)(i), spray booths or spray rooms must have a full roof, at least two complete walls, and one or two complete side curtains or other barrier material so that all four sides are covered.
- M. As per 40 CFR §63.11516(d)(2), all paints applied via spray-applied painting must be applied with a high-volume, low-pressure (HVLP) spray gun, electrostatic application, airless spray gun, air-assisted airless spray gun, or an equivalent technology that is demonstrated to achieve transfer efficiency comparable to one of these spray gun technologies for a comparable operation.
- N. The owner or operator shall maintain documentation of the HVLP or other high transfer efficiency spray paint delivery methods, as detailed in §63.11519(c)(7).
- O. As per 40 CFR §63.11516(d)(4), all cleaning of paint spray guns must be done with either non-HAP gun cleaning solvents, or in such a manner that an atomized mist of spray of gun cleaning solvent and paint residue is not created outside of a container that collects the used gun cleaning solvent.
- P. As per 40 CFR §63.11516(d)(5), all workers performing painting must be certified that they have completed training in the proper spray application of paints and the proper setup and

maintenance of spray equipment. These requirements do not apply to operators of robotic or automated painting operations.

- a. As per 40 CFR §63.11516(d)(6), the owner or operator shall ensure and certify that all new and existing personnel, including contract personnel, who spray apply paints are trained in the proper application of paints as required by 40 CFR §63.11516(d)(5). The training program must include, at a minimum:
 - i. A list of all current personnel by name and job description who are required to be trained;
 - ii. Hands-on, or in-house or external classroom instruction that addresses, at a minimum, initial and refresher training in the topics listed in 40 CFR §63.11516(d)(6)(ii); and,
 - iii. As per 40 CFR §63.11516(d)(6)(iii), a description of the methods to be used at the completion of initial or refresher training to demonstrate, document, and provide certification of successful completion of the required training.
 - b. As per 40 CFR §63.11516(d)(7), the owner or operator shall maintain records of employee training certification for use of HVLP or other high transfer efficiency spray paint delivery methods.
- Q. The owner or operator shall maintain records and submit notifications in accordance with 40 CFR §63.11519.

Authority for Requirement: DNR Construction Permits specified in Table: Manual and Robotic Paint Booths
40 CFR 63 Subpart XXXXXX
567 IAC 23.1(4)"ex"

Emission Point Characteristics

These emission points shall conform to the conditions specified in Table: Prime and Top Coat Paint Booth Stacks

Table: Prime and Top Coat Paint Booth Stacks			Stack Characteristics				
Emission Point Number	Emission Unit Number	Construction Permit #	Height (feet)	Diameter (inches)	Exhaust Flowrate (scfm)	Exhaust Temp. (F)	Stack Characteristics
AE22	EU73	12-A-027-S2	58.75	48	32,700	72	Vertical Unobstructed
AE23		12-A-028-S2	58.75	48	32,700	72	Vertical Unobstructed
AE24		12-A-029-S2	58.75	48	32,700	72	Vertical Unobstructed
AE25	EU74	12-A-030-S2	58.75	40	32,250	72	Vertical Unobstructed
AE26		12-A-031-S2	58.75	40	32,250	72	Vertical Unobstructed
AE27		12-A-032-S2	58.75	40	32,250	72	Vertical Unobstructed
AE28		12-A-033-S2	58.75	40	32,250	72	Vertical Unobstructed

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

Manual and Robotic Paint Booth Operational and Maintenance Plan

Weekly

- Inspect the spray booth system for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
- Maintain a written record of the observation and any action resulting from the inspection.

Reporting and Recordkeeping

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

Quality Control

- The filter equipment will be operated and maintained according to the manufacturers recommendations.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: AE29

Associated Equipment

Associated Emission Unit ID Numbers: EU82
Emissions Control Equipment ID Number: C106
Emissions Control Equipment Description: Dry Filters

Emission Unit vented through this Emission Point: EU82
Emission Unit Description: Touch-Up Paint Booth
Raw Material/Fuel: Paint
Rated Capacity: 2 Electrostatic Guns@ 9.48 gal/hr (each)

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40 % ⁽¹⁾

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

DNR Construction Permit 12-A-075-S1

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

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.01 gr/dscf

Authority for Requirement: DNR Construction Permit 12-A-075-S1
567 IAC 23.4(13)

Pollutant: Particulate Matter (PM)

Emission Limit(s): 3.0 lb/hr

Authority for Requirement: DNR Construction Permit 12-A-075-S1

Pollutant: PM₁₀

Emission Limit(s): 3.0 lb/hr

Authority for Requirement: DNR Construction Permits 12-A-075-S1

Pollutant: Volatile Organic Compounds (VOCs)

Emission Limit: 178.0 tons/yr ⁽²⁾

Authority for Requirement: DNR Construction Permit 12-A-075-S1

⁽²⁾ Requested limit for all surface coating and solvent operations (EU57, EU58, EU73, EU74 and EU82) at the facility (82-01-043).

Facility-Wide Limits

Pollutant: Hazardous Air Pollutants (HAPs)

Emission Limit(s): 7.5 ⁽³⁾ tons/yr (single HAP) and 17.0 ⁽³⁾ tons/yr (total HAPs)

Authority for Requirement: DNR Construction Permits specified in Table: Manual and Robotic Paint Booths

⁽³⁾ Covers all HAP emitting units at the facility **except** combustion, storage tanks, welding, shot blasting, and metal cutting units.

NESHAP

This source is subject to the requirements of 40 CFR 63, Subpart A, General Provisions and 40 CFR Part 63, Subpart XXXXXX, National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories. The subpart applies if the facility uses materials that contain or have the potential to emit metal fabrication or finishing metal HAP (MFHAP), which are the compounds of cadmium, chromium, lead, manganese, and nickel, or any of these metals in the elemental form with the exception of lead.

Authority for Requirement: 40 CFR 63 Subpart A
40 CFR 63 Subpart XXXXXX
567 IAC 23.1(4)
567 IAC 23.1(4)"ex"

Operating Requirements and Associated Recordkeeping

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

VOC and HAP Operating Requirements

- A. Total VOC emissions from all surface coating and solvent sources (EU57, EU58, EU73, EU74 and EU82) at this facility (Plant Number: 82-01-043) shall not exceed 178 tons per rolling twelve-month period. All VOC-containing materials used in the surface coating and solvent sources (EU57, EU58, EU73, EU74 and EU82) shall be included in the emissions.
- B. Individual HAP emissions from all units and activities at the facility (Plant Number: 82-01-043) which emit HAPs, excluding all combustion, storage tanks, welding, shot blasting, and metal cutting units, shall not exceed 7.5 tons per rolling twelve-month period.
- C. Total cumulative HAP emissions from all units and activities at the facility (Plant Number: 82-01-043) which emit HAPs, excluding all combustion, storage tanks, welding, shot blasting, and metal cutting units, shall not exceed 17.0 tons per rolling twelve-month period.
- D. The permittee (or owner or operator) shall maintain the following daily records:
 - a. The identification of each VOC-containing and/or HAP-containing surface coating and solvent material used at the facility.
 - b. The amount of each VOC-containing and/or HAP-containing surface coating and solvent material, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, used at the facility. For the purposes of calculating emissions, all VOCs and

HAPs may be considered emitted on the day the materials are delivered to the facility or to the production line or removed from storage.

- E. The permittee shall maintain the following monthly records:
 - a. The identification, the VOC content, the HAP content, and the amount of each VOC-containing material and HAP-containing material used surface coating and solvent operations (EU57, EU58, EU73, EU74 and EU82) used at the facility.
 - b. The amount of each VOC-containing surface coating and solvent material used at the facility. For the purposes of calculating emissions, all VOC may be considered emitted on the day the materials are delivered to the facility or to the production line.
 - c. The amount of VOC emissions from the surface coating and solvent sources (EU57, EU58, EU73, EU74 and EU82), in tons.
 - d. The 12-month rolling total of the amount of VOC emissions from the surface coating and solvent sources (EU57, EU58, EU73, EU74 and EU82), in tons.
 - e. The amount of each individual HAP emissions from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility in tons.
 - f. The 12-month rolling total of each individual HAP emitted from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility, in tons.
 - g. The amount of all HAPs from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility, in tons.
 - h. The 12-month rolling total of all HAPs emitted from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility, in tons.
- F. If the 12-month rolling total of the VOC emissions from all surface coating and solvent sources exceeds 142.4 tons, the permittee shall immediately begin keeping the following daily records:
 - a. The amount of VOC emissions from the surface coating and solvent sources (EU57, EU58, EU73, EU74 and EU82), in tons.
 - b. The 365-day rolling total of the amount of VOC emissions from the surface coating and solvent sources (EU57, EU58, EU73, EU74 and EU82), in tons.
 - c. Daily calculations for VOC emissions shall continue until the 365-day rolling total of the amount of VOC emissions from all surface coating and solvent sources drops below 142.4 tons for the remainder of the current calendar month plus one additional calendar month. At that time, rolling daily calculation of VOC emissions will cease per Operating Requirement F of this permit. If the emissions once again exceed 142.4 tons, daily recordkeeping will be required per Operating Requirement F of this permit.
- G. If the 12-month rolling total of any individual HAP emitted from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility exceeds 6.0 tons per rolling 12-month period, the permittee shall maintain the following daily records:
 - a. The amount of individual HAP emissions all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility, in tons.

- b. The 365-day rolling total of the amount of individual HAP emissions from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility, in tons.
 - c. Daily calculations for individual HAP emissions shall continue until the 365-day rolling total of the amount of individual HAP emissions from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility drops below 6.0 tons for the remainder of the current calendar month plus one additional calendar month. At that time, rolling daily calculation of individual HAP emissions will cease per Operating Requirement G of this permit. If the emissions once again exceed 6.0 tons, daily recordkeeping will be required per Operating Requirement G of this permit.
- H. If the 12-month rolling total of cumulative HAPs emitted from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility exceeds 13.6 tons per rolling 12-month period, the permittee shall maintain the following daily records:
- a. The amount of cumulative HAP emissions from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility, in tons.
 - b. The 365-day rolling total of the amount of cumulative HAP emissions from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility, in tons.
 - c. Daily calculations for cumulative HAP emissions shall continue until the 365-day rolling total of the amount of cumulative HAP emissions from all HAP-emitting sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, at the facility drops below 13.6 tons for the remainder of the current calendar month plus one additional calendar month. At that time, rolling daily calculation of cumulative HAP emissions will cease per Operating Requirement H of this permit. If the emissions once again exceed 6.0 tons, daily recordkeeping will be required per Operating Requirement H of this permit.
- I. The owner or operator may take credit for any waste VOC and/or HAP shipped off-site. The owner or operator shall record the amount of waste shipped off-site from surface coating and solvent operations, and also analyze the VOC and/or HAP content of the waste once every calendar year quarter. The sample analyzed shall be taken as a representative sample (as defined in 40 CFR §260.10) of the waste sent off-site for that quarter and shall be taken as representative until the subsequent quarter's analysis is received. The credit (calculated from the most current analysis and the amount shipped off-site) may be subtracted from the VOC and/or HAP (individual and cumulative) rolling totals as of the date the waste is shipped off-site.
- J. The permittee shall maintain records (SDS, product technical data sheet or equivalent) that clearly indicate the VOC content and HAP content (individual and cumulative) of each surface coating material (paint, primer, solvent, etc.) used in the emission units (EU57, EU58, EU73, EU74 and EU82).

Dry Filter Control Device Requirements (EU82)

- K. As per 40 CFR §63.11516(d)(1)(ii), the filter technology shall achieve at least 98% capture of MFHAP.
 - a. Owners and operators may use published filter efficiency data provided by the control system vendors to demonstrate compliance with this requirement (Operating Requirement K).
 - b. As per 40 CFR §63.11516(d)(1)(iii), the owner or operator shall perform regular inspection

and replacement of the filters in the spray booths or spray rooms according to manufacturer's instructions.

- c. The owner or operator shall maintain a record of the filter efficiency demonstrations and spray paint booth maintenance activities.
- d. These requirements do not apply when spray-applied paints that do not contain MFHAP are being applied.

Spray Booth Requirements

- L. As per 40 CFR §63.11516(d)(1)(i), spray booths or spray rooms must have a full roof, at least two complete walls, and one or two complete side curtains or other barrier material so that all four sides are covered.
- M. As per 40 CFR §63.11516(d)(2), all paints applied via spray-applied painting must be applied with a high-volume, low-pressure (HVLP) spray gun, electrostatic application, airless spray gun, air-assisted airless spray gun, or an equivalent technology that is demonstrated to achieve transfer efficiency comparable to one of these spray gun technologies for a comparable operation.
- N. The owner or operator shall maintain documentation of the HVLP or other high transfer efficiency spray paint delivery methods, as detailed in §63.11519(c)(7).
- O. As per 40 CFR §63.11516(d)(4), all cleaning of paint spray guns must be done with either non-HAP gun cleaning solvents, or in such a manner that an atomized mist of spray of gun cleaning solvent and paint residue is not created outside of a container that collects the used gun cleaning solvent.
- P. As per 40 CFR §63.11516(d)(5), all workers performing painting must be certified that they have completed training in the proper spray application of paints and the proper setup and maintenance of spray equipment. These requirements do not apply to operators of robotic or automated painting operations.
 - a. As per 40 CFR §63.11516(d)(6), the owner or operator shall ensure and certify that all new and existing personnel, including contract personnel, who spray apply paints are trained in the proper application of paints as required by 40 CFR §63.11516(d)(5). The training program must include, at a minimum:
 - i. A list of all current personnel by name and job description who are required to be trained;
 - ii. Hands-on, or in-house or external classroom instruction that addresses, at a minimum, initial and refresher training in the topics listed in 40 CFR §63.11516(d)(6)(ii); and,
 - iii. As per 40 CFR §63.11516(d)(6)(iii), a description of the methods to be used at the completion of initial or refresher training to demonstrate, document, and provide certification of successful completion of the required training.
 - b. As per 40 CFR §63.11516(d)(7), the owner or operator shall maintain records of employee training certification for use of HVLP or other high transfer efficiency spray paint delivery methods.
- Q. The owner or operator shall maintain records and submit notifications in accordance with 40 CFR §63.11519.

Authority for Requirement: DNR Construction Permit 12-A-075-S1
40 CFR 63 Subpart XXXXXX
567 IAC 23.1(4)"ex"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 55
Stack Opening, (inches, dia.): 60
Exhaust Flow Rate (scfm): 52,800
Exhaust Temperature (°F): 70
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 12-A-075-S1

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Touch-up Paint Booth Operations and Maintenance Plan

Weekly

- Inspect the spray booth system for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
- Maintain a written record of the observation and any action resulting from the inspection.

Reporting & Recordkeeping

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

Quality Control

- The filter equipment will be operated and maintained according to the manufacturers recommendations.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: See Table: Natural Gas Boilers

Associated Equipment

Associated Emission Unit ID Numbers: See Table: Natural Gas Boilers

Table: Natural Gas Boilers

Emission Point Number	Associated Emission Unit Number	Emission Unit Description	Raw Material/Fuel	Rated Capacity (MMBtu/Hr.)
GE1	EU20	Natural Gas Boiler	Natural Gas	15.574
GE2	EU21	Natural Gas Boiler	Natural Gas	15.574

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40%

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

Pollutant: Particulate Matter

Emission Limit(s): 0.6 lb./MMBtu

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

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

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

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: FUGWELD

Associated Equipment

Associated Emission Unit ID Numbers: EU30

Emission Unit vented through this Emission Point: EU30

Emission Unit Description: Unvented welding sources

Raw Material/Fuel: Welding rod

Rated Capacity: 627 lb/hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40 % ⁽¹⁾

Authority for Requirement: DNR Construction Permit 13-A-065

567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.05 gr/dscf

Authority for Requirement: DNR Construction Permit 13-A-065

567 IAC 23.4(6)

Pollutant: Particulate Matter (PM)

Emission Limit(s): 3.29 lb/hr

Authority for Requirement: DNR Construction Permit 13-A-065

NESHAP

This source is subject to the requirements of 40 CFR Part 63, Subpart XXXXXX, National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories. The subpart applies if the facility uses materials that contain or have the potential to emit metal fabrication or finishing metal HAP (MFHAP), which are the compounds of cadmium, chromium, lead, manganese, and nickel, or any of these metals in the elemental form with the exception of lead.

Authority for Requirement: 40 CFR 63 Subpart XXXXXX

567 IAC 23.1(4)"ex"

Operational Limits & Requirements

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

Process throughput

- 1. The facility-wide amount of E70S welding electrode used shall not exceed 5,500,000 pounds per twelve-month rolling period.
- 2. The facility-wide amount of E71T welding electrode used shall not exceed 1,000 pounds per twelve-month rolling period.

Reporting & Recordkeeping

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

These records shall show the following:

- 1. The facility shall record the monthly usage of E70S welding electrode, in applicable units, and determine E70S welding electrode usage on a rolling 12-month basis for each month of operation.
- 2. The facility shall record the monthly usage of E71T welding electrode, in applicable units, and determine E71T welding electrode usage on a rolling 12-month basis for each month of operation.
- 3. A Material Safety and Data Sheet (SDS) or equivalent of each material utilized in the welding operations shall be kept on-site and available for inspection by the DNR.

Authority for Requirement: DNR Construction Permit 13-A-065

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: See Table: Cutting Operations

Associated Equipment

Associated Emission Unit ID Numbers: See Table: Cutting Operations

Table: Cutting Operations

Emission Point Number	Associated Emission Unit Number	Emission Unit Description	Raw Material	Rated Capacity
FUGPC	EU38	Plasma Cutting	Steel	7,200 in/hr
FUGTC	EU40	Thermal Cutting	Metal	3,120 cf/hr

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: Fugitive Dust

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

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: See Table: Storage Tanks

Associated Equipment

Associated Emission Unit ID Numbers: See Table: Storage Tanks

Table: Storage Tanks

Emission Point Number	Associated Emission Unit Number	Emission Unit Description	Raw Material	Size (gal)	Construction Permit Number
EPT01	EUT01	Diesel Fuel #1 Storage Tank	Diesel Fuel	10,092	01-A-300-S3
EPT02	EUT02	Antifreeze Tank	Antifreeze	10,000	01-A-301
EPT03	EUT03	Hydraulic Oil Tank	Hydraulic Oil	15,000	01-A-303
EPT04	EUT04	Engine Oil Tank	Engine Oil	15,000	01-A-304
EPT05	EUT05	Lead Free Gasoline Tank (1,000 gal.)*	Gasoline	1,000	NA
EPT09	EUT09	Used Coolant Tank	Used Coolant	6,000	01-A-302

* Subject to 40 CFR Part 63, Subpart CCCCCC: National Emissions Standards for Hazardous Air Pollutants: Gasoline Dispensing Facilities

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.

The owner or operator is required to report all emissions as required by law, regardless of whether a specific emission limit has been established in this permit. The following emission limits shall not be exceeded:

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 6.41 lb/yr ⁽¹⁾

⁽¹⁾ This emission limit applies to EPT01, Diesel Fuel #1 Storage Tank only

Authority for Requirement: DNR Construction Permit 01-A-300-S3

Operational Limits & Requirements

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

Operating Requirements with Associated Monitoring and Recordkeeping

For Emission Unit EUT01 only:

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. The operating requirements and associated recordkeeping for this permit shall be:

- A. The owner or operator shall determine the cumulative throughput of material for each month of operation. Calculate and record the rolling 12-month totals.

Authority for Requirement: DNR Construction Permit 01-A-300-S3

Reporting & Recordkeeping

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

For Emission Units ET02, ET03, ET04 and ET09:

1. Determine the annual throughput of material for each tank on a rolling-12-month basis for each month of operation.

Authority for Requirement: DNR Construction Permits 01-A-301, 01-A-303, 01-A-304 and 01-A-302

Emission Point Characteristics

These emission points shall conform to the specifications listed in Table: Storage Tanks-Emission Point Characteristics below.

Table: Storage Tanks-Emission Point Characteristics

Emission Point Number	Emission Unit Number	Construction Permit #	Stack Characteristics				
			Height (feet from ground)	Diameter (inches)	Exhaust Flowrate (scfm)	Exhaust Temp. (°F)	Discharge Style
EPT01	EUT01	01-A-300-S3	18	6	Displacement	70	Obstructed Vertical
EPT02	EUT02	01-A-301	18	6	Displacement	70	Obstructed Vertical
EPT03	EUT03	01-A-303	25.33	8	Displacement	70	Obstructed Vertical
EPT04	EUT04	01-A-304	25.33	8	Displacement	70	Obstructed Vertical
EPT05	EUT05	NA	12.7	2	Displacement	68	Obstructed Vertical
EPT09	EUT09	01-A-302	28	6	Displacement	70	Downward

Authority for Requirement: DNR Construction Permits listed in Table: Storage Tanks-Emission Point Characteristics

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that 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: JE08 and JE09

Associated Equipment

Associated Emission Unit ID Numbers: EU08 and EU09

Table: Back Up Emergency Diesel Engines

Emission Point Number	Associated Emission Unit Number	Emission Unit Description	Raw Material	Rated Capacity (Bhp/Hr.)
JE08	EU08	Back Up Fire Pump 2 Engine	Diesel Fuel	240
JE09	EU09	Back Up Fire Pump 1 Engine	Diesel Fuel	240

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40 %

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

Pollutant: Particulate Matter

Emission Limit(s): 0.1 gr./dscf

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

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 2.5 lb/MMBtu

Authority for Requirement: 567 IAC 23.3(3)"b"(2)

NESHAP:

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

Compliance Date

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

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

1. Change oil and filter every 500 hours of operation or annually, whichever comes first. (See 63.6625(i) for the oil analysis option to extend time frame of requirements.)

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

Operating Limits 40 CFR 63.6640(f)

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

Recordkeeping Requirements 40 CFR 63.6655

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

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

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

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

Operational Limits & Requirements

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

Process throughput

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

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

Reporting & Recordkeeping

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

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

Authority for Requirement: 567 IAC 22.108(3)

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: JV05

Associated Equipment

Associated Emission Unit ID Numbers: EU107

Table: Portable Diesel Engine

Emission Point Number	Associated Emission Unit Number	Emission Unit Description	Raw Material	Rated Capacity (Bhp/Hr.)
JV05	EU107	Portable Diesel Engine	Diesel Fuel	325 Bhp/hr; 2.25 L/cyl

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40 %

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

Pollutant: Particulate Matter

Emission Limit(s): 0.1 gr./dscf

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

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 2.5 lb/MMBtu

Authority for Requirement: 567 IAC 23.3(3)"b"(2)

Operational Limits & Requirements

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

NESHAP:

The non-emergency engine is subject to 40 CFR 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE). According to 40 CFR 63.6590(a)(2)(iii) this non-emergency engine, located at an area source, is a new stationary RICE as it was constructed on or after June 12, 2006.

According to 40 CFR 63.6590(c)(1), a new stationary compression ignition RICE located at an area source of HAP emissions must meet the requirements of Part 63 by meeting the requirements of 40 CFR part 60 subpart IIII for compression ignition engines. No further requirements apply for this engine under Part 63.

Emission Standards:

According to 40 CFR 60.4204(b) and 4201, you must comply with the following emission standards in grams/kW-hr (grams/HP-hr):

Maximum Engine Power	Model Year(s)	NOx	NMHC	CO	PM	Opacity	Rule Ref
130 ≤ kW < 560 (175 ≤ HP < 751)	2011+	0.40 (0.30)	0.19 (0.14)	3.5 (2.6)	0.02 (0.015)	(1)	(2),(3)

⁽¹⁾ Exhaust opacity must not exceed: 20 percent during the acceleration mode; 15 percent during the lugging mode; and 50 percent during the peaks in either the acceleration or lugging modes.

⁽²⁾ 40 CFR 1039.102. Refer to this section for optional and alternate emission standards.

⁽³⁾ 40 CFR 1039.101. Refer to this section for optional and alternate emission standards.

Fuel Requirements:

You must use diesel fuel that has a maximum sulfur content of 15 ppm (0.0015%) by weight and a minimum cetane index of 40 or a maximum aromatic content of 35 percent by volume. 40 CFR 60.4207 and 40 CFR 80.510(b).

Compliance Requirements:

1. If your engine is equipped with a diesel particulate filter (DPF) to comply with the emission standards, the DPF must be installed with a backpressure monitor that notifies you when the high backpressure limit of the engine is approached. 40 CFR 60.4209(b).
2. You must operate and maintain the engine to comply with the required emission standards over the entire life of the engine (40 CFR 60.4206) by doing all of the following (40 CFR 60.4211(a)).
 - a) Operating and maintaining the engine and control device according to the manufacturer's emission-related written instructions;
 - b) Changing only those emission-related settings that are permitted by the manufacturer; and
 - c) Meeting the requirements of 40 CFR 89, 94 and/or 1068, as they apply to you.
3. You must demonstrate compliance with the applicable emission standards by purchasing an engine certified to the applicable emission standards. The engine must be installed and configured according to the manufacturer's emission-related specifications. 40 CFR 60.4211(c).
4. If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct the following performance testing in accordance with 40 CFR 60.4212 to demonstrate compliance with applicable emission standards. You are required to notify the DNR 30 days prior to the test date and are required to submit a stack test report to the DNR within 60 days after the completion of the testing. See 40 CFR 60.4211(g) for additional information.

Maximum Engine Power	Initial Test	Subsequent Test
100 ≤ HP ≤ 500	Within 1 year of engine startup, or non-permitted action ⁽¹⁾	Not required

⁽¹⁾ Non-permitted action means that you do not install, configure, operate, and maintain the engine and control device according to the manufacturer's emission-related written instructions, or you change the emission-related settings in a way that is not permitted by the manufacturer.

Notification and Recordkeeping Requirements

- 1. If your engine is equipped with a diesel particulate filter (DPF), you must keep records of any corrective action taken after the backpressure monitor has notified you that the high backpressure limit of the engine is approached. 40 CFR 60.4214(c).

Authority for Requirement: 40 CFR 60 Subpart IIII
40 CFR Part 63 Subpart ZZZZ
567 IAC 23.1(2)"yyy"
567 IAC 23.1(4)"cz"

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP49

Associated Equipment

Emission Point Number	Associated Emission Unit Number	Emission Unit Description	Raw Material	Rated Capacity (Bhp/Hr.)
EP49	EU49	Emergency Generator	Natural Gas	149

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40 %

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

Pollutant: Particulate Matter

Emission Limit(s): 0.1 gr./dscf

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

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

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

NESHAP:

These emergency engines are subject to 40 CFR 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE). According to 40 CFR 63.6590(a)(1)(iii) these spark ignition emergency engines, located at an area source, are existing stationary RICE as they were constructed prior to June 12, 2006.

Compliance Date

Per 63.6595(a)(1) you must comply with the provisions of subpart ZZZZ that are applicable by October 19, 2013.

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

1. Change oil and filter every 500 hours of operation or annually, whichever comes first. (See 63.6625(j) for the oil analysis option to extend time frame of requirements.)
2. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary.
3. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

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

Operating Limits 40 CFR 63.6640(f)

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

Recordkeeping Requirements 40 CFR 63.6655

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

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

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

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP50

Associated Equipment

Emission Point Number	Associated Emission Unit Number	Emission Unit Description	Raw Material	Rated Capacity (Bhp/Hr.)
EU50	EU50	Emergency Generator	Natural Gas	162

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40 %

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

Pollutant: Particulate Matter

Emission Limit(s): 0.1 gr./dscf

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

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

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

NESHAP Requirements:

The emergency engine is subject to 40 CFR 63 Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE). According to 40 CFR 63.6590(a)(2)(iii) this emergency engine, located at an area source, is a new stationary RICE as it was constructed on or after June 12, 2006.

According to 40 CFR 63.6590(c)(1), a new stationary RICE located at an area source of HAP emissions must meet the requirements of Part 63 by meeting the requirements of 40 CFR part 60 subpart JJJJ for spark ignition engines. No further requirements apply for this engine under Part 63.

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

NSPS Requirements:

There are currently no applicable requirements for this emergency engine in NSPS subpart JJJJ.

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

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: FUGVOC

Associated Equipment

Associated Emission Unit ID Number: EU23

Emission Unit vented through this Emission Point: EU23

Emission Unit Description: Miscellaneous Fugitive VOC Sources

Raw Material/Fuel: Adhesives and Sealants

Rated Capacity: 3.32 lb VOC /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: Volatile Organic Compounds (VOC)

Emission Limit(s): 14.54 TPY ⁽¹⁾

Authority for Requirement: DNR Construction Permit 05-A-549-S1

Pollutant: Hazardous Air Pollutants (HAPs)

Emission Limit(s): 7.5 TPY ⁽²⁾ (Single HAP) and 17.0 TPY ⁽²⁾ (Total HAPs)

Authority for Requirement: DNR Construction Permit 05-A-549-S1

⁽¹⁾ The VOC ton per year requested limit for this unit is to reduce the potential to emit at the facility and to put into place an enforceable limit to be used in demonstrating the facility is a synthetic minor source with regard to Prevention of Significant Deterioration (PSD) requirements.

⁽²⁾ The single and total HAP ton per year requested limit is to reduce the potential to emit at the facility and to put into place an enforceable limit to be used in demonstrating the facility is a minor source of HAPs. These limits cover all units and activities at the facility which emit HAPs, excluding all combustion, storage tanks, welding, shot blasting, and metal cutting units.

Operating Requirements with Associated Monitoring and Recordkeeping

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

- A. The facility shall maintain a log showing all VOC and HAP containing materials used under emission unit EU23.
- B. The facility shall maintain (M)SDS, technical data sheets or equivalent records on site to verify the VOC, single HAP, and total HAP content of all materials used at the facility.
- C. The facility shall maintain daily records on the identification and amount of each VOC-containing material used under emission unit EU23. For the purposes of the daily recordkeeping requirement, the facility may assume that a material is completely consumed on the day they are

delivered to the plant or removed from storage.

- D. Calculate the VOC emissions in tons for all materials used under emission unit EU23 on a monthly basis and keep a 12-month rolling total. Records for VOC emissions shall be kept on a monthly basis until the VOC emissions exceed 11.63 TPY. At this point the owner or operator shall immediately begin keeping a 365-day rolling total amount of VOC emitted at the facility. Calculation requirements will revert back to a monthly basis if the 12-month rolling total of VOC emitted at the facility returns to a level below the 11.63 TPY threshold.
- E. The facility shall maintain daily records on the identification and amount of each HAP-containing material used at the facility, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units. For the purposes of the daily recordkeeping requirement, the facility may assume that a material is completely consumed on the day they are delivered to the plant or removed from storage.
- F. Calculate the individual HAP emissions in tons from all sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, for the facility on a monthly basis and keep a 12-month rolling total. Records for HAP emissions shall be kept on a monthly basis until facility wide emissions for any individual HAP exceeds 6.0 TPY. At this point the owner or operator shall immediately begin keeping a 365-day rolling total amount for all individual HAP emitted at the facility. Calculation requirements will revert back to a monthly basis if the 12-month rolling total of each individual HAP emitted at the facility returns to a level below the 6.0 TPY threshold.
- G. Calculate the total HAP emissions in tons from all sources, except those from combustion, storage tanks, welding, shot blasting, and metal cutting units, for the facility on a monthly basis and keep a 12-month rolling total. Records for HAP emissions shall be kept on a monthly basis until the facility wide total HAP emissions exceed 13.6 TPY. At this point the owner or operator shall immediately begin keeping a 365-day rolling total amount of total HAP emitted at the facility. Calculation requirements will revert back to a monthly basis if the 12-month rolling total of total HAP emitted at the facility returns to a level below the 13.6 TPY threshold.

Authority for Requirement: DNR Construction Permit 05-A-549-S1

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: QE15

Associated Equipment

Associated Emission Unit ID Numbers: EU35
Emissions Control Equipment ID Number: CE35
Emissions Control Equipment Description: Cartridge Filter

Emission Unit vented through this Emission Point: EU35
Emission Unit Description: Reclaim Welding
Raw Material/Fuel: Welding Rod
Rated Capacity: 10 lb/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): 20% ⁽¹⁾
Authority for Requirement: DNR Construction Permit 98-A-452
567 IAC 23.3(2)"d"

⁽¹⁾ If visible emissions are observed other than startup, shutdown, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard.

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/scf
Authority for Requirement: DNR Construction Permit 98-A-452
567 IAC 23.3(2)"a"

NESHAP

This source is subject to the requirements of 40 CFR Part 63, Subpart XXXXXX, National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories. The subpart applies if the facility uses materials that contain or have the potential to emit metal fabrication or finishing metal HAP (MFHAP), which are the compounds of cadmium, chromium, lead, manganese, and nickel, or any of these metals in the elemental form with the exception of lead.

Authority for Requirement: 40 CFR 63 Subpart XXXXXX
567 IAC 23.1(4)"ex"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 50

Stack Opening, (inches, dia.): 18

Exhaust Flow Rate (scfm): 2,800

Exhaust Temperature (°F): 70

Discharge Style: N/A

Authority for Requirement: DNR Construction Permit 98-A-452

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: PM02

Associated Equipment

Associated Emission Unit ID Numbers: EU53

Emission Unit vented through this Emission Point: EU53
Emission Unit Description: Paint Mixing Room
Raw Material/Fuel: Paint
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.

There are no emission limits at this time.

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 42.5
Stack Opening, (inches, dia.): 18
Exhaust Flow Rate (scfm): 2,800
Exhaust Temperature (°F): Ambient
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 00-A-802

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: CE4 and CE5

Associated Equipment

Associated Emission Unit ID Number: EU59

Emission Unit vented through this Emission Point: EU59

Emission Unit Description: Paint Curing Oven

Raw Material/Fuel: Natural Gas

Rated Capacity: 3.5 MMBtu/hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40%⁽¹⁾

Authority for Requirement: DNR Construction Permits 05-A-165, 05-A-166-S1
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter

Emission Limit(s): 0.01 gr/dscf

Authority for Requirement: DNR Construction Permits 05-A-165, 05-A-166-S1
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

Authority for Requirement: DNR Construction Permits 05-A-165, 05-A-166-S1
567 IAC 23.3(3)"e"

Operational Limits & Requirements

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

Process throughput

This oven shall be fired by natural gas only.

Authority for Requirement: DNR Construction Permits 05-A-165, 05-A-166-S1

Emission Point Characteristics

These emission points shall conform to the specifications listed below.

Stack Height, (ft, from the ground): CE5: 61; CE4: 50

Stack Opening, (inches, dia.): CE5 and CE4: 24

Exhaust Flow Rate (scfm): CE5 and CE4: 5,483

Exhaust Temperature (°F): CE5 and CE4: 250

Discharge Style: CE5 and CE4: Vertical Unobstructed

Authority for Requirement: DNR Construction Permits 05-A-165, 05-A-166-S1

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: AE21

Associated Equipment

Associated Emission Unit ID Number: EU60

Emission Unit vented through this Emission Point: EU60
Emission Unit Description: Catalyst Paint Mixing Room
Raw Material/Fuel: Paint
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.

There are no emission limits at this time.

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 50
Stack Opening, (inches, dia.): 24
Exhaust Flow Rate (scfm):
Exhaust Temperature (°F): Ambient
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 05-A-167

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: GE7

Associated Equipment

Associated Emission Unit ID Number: EU61

Emission Unit vented through this Emission Point: GE7

Emission Unit Description: Hot Water Boiler

Raw Material/Fuel: Natural Gas

Rated Capacity: 0.01 MMcf/hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

Authority for Requirement: DNR Construction Permit 05-A-183

567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter

Emission Limit(s): 0.1 lb/hr

Authority for Requirement: DNR Construction Permit 05-A-183

Pollutant: Particulate Matter

Emission Limit(s): 0.6 lb/MMBtu

Authority for Requirement: DNR Construction Permit 05-A-183

567 IAC 23.3(2)"b"

Pollutant: PM₁₀

Emission Limit(s): 0.1 lb/hr

Authority for Requirement: DNR Construction Permit 05-A-183

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

Authority for Requirement: DNR Construction Permit 05-A-183

567 IAC 23.3(3)"e"

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 0.05 lb/hr

Authority for Requirement: DNR Construction Permit 05-A-183

NSPS Applicability

The Hot Water Boiler is subject to NSPS Subpart Dc – Standards of Performance for Small Industrial-Commercial Institutional Steam Generating Units (beginning of 40 CFR §60.40c). Subject to the General Provisions of Subpart A.

Operational Limits & Requirements

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

Process throughput

1. This emission unit shall use natural gas only.
2. The owner or operator shall send a certification to the Department stating that this emission unit will burn only natural gas.

Reporting & Recordkeeping

All records as required by this permit shall be kept on-site for a minimum of two (2) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner. These records shall show the following:

1. The amount of fuel used on a monthly basis.
2. A copy of all excess emission reports required for Subpart Dc. Per the reduced recordkeeping for Subpart Dc the facility may report excess emissions (or lack thereof) on an annual frequency. It should be noted that per Construction Permit Condition 7 the facility is also required to orally notify the DNR field office of excess emissions within eight (8) hours and submit a written report within seven (7) days.

Authority for Requirement: DNR Construction Permit 05-A-183

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 50

Stack Opening, (inches, dia.): 22

Exhaust Flow Rate (scfm): 2,491

Exhaust Temperature (°F): 360

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 05-A-183

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: SB07

Associated Equipment

Associated Emission Unit ID Number: SB07
Emissions Control Equipment ID Number: SB07
Emissions Control Equipment Description: Cartridge Filters

Emission Unit vented through this Emission Point: SB07
Emission Unit Description: Oxide Removal Machine
Raw Material/Fuel: Sheet metal
Rated Capacity: 3,805 square feet of sheet metal per hour

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40% ⁽¹⁾
Authority for Requirement: DNR Construction Permit 19-A-090
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter
Emission Limit(s): 0.06 lb/hr
Authority for Requirement: DNR Construction Permit 19-A-090

Pollutant: Particulate Matter
Emission Limit(s): 0.05 gr/dscf
Authority for Requirement: 567 IAC 23.4(6)

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 19-A-090

Pollutant: Hazardous Air Pollutants (HAPS)
Emission Limit(s): 0.027 tons/yr (Total HAPs)
Authority for Requirement: DNR Construction Permit 19-A-090

NESHAP

This source is subject to the requirements of 40 CFR 63, Subpart A, General Provisions and 40 CFR Part 63, Subpart XXXXXX, National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories. The subpart applies if the facility uses materials that contain or have the potential to emit metal fabrication or finishing metal HAP (MFHAP), which are the compounds of cadmium, chromium, lead, manganese, and nickel, or any of these metals in the elemental form with the exception of lead.

Authority for Requirement: 40 CFR 63 Subpart A
40 CFR 63 Subpart XXXXXX
567 IAC 23.1(4)
567 IAC 23.1(4)"ex"

Operating Requirements with Associated Monitoring and Recordkeeping

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

- A. The owner or operator shall comply with the emission unit operational requirements per 40 CFR §63.11516(c).
 - (1) You must capture emissions and vent them to a filtration control device. You must demonstrate compliance with this requirement by maintaining a record of the manufacturer's specifications for the filtration control devices, as specified by the requirements in §63.11519(c)(4), "Notification, recordkeeping, and reporting Requirements."
 - (2) You must implement management practices to minimize emissions of MFHAP as specified in paragraphs (c)(2)(i) and (ii) of this section.
 - (i) You must take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable;
 - (ii) You must operate all equipment associated with the operation of dry grinding and dry polishing with machines, including the filtration control device, according to manufacturer's instructions.
- B. The owner or operator shall maintain records of configuration, operation, and maintenance of the emission unit according to the manufacturer's recommendations.
- C. The owner or operator shall prepare and submit reports as required by 40 CFR §63.11519(b).
- D. The owner or operator shall keep records as required per 40 CFR §63.11519(c):
 - (1) General compliance and applicability records. Maintain information specified in paragraphs (c)(1)(i) through (ii) of this section for each affected source.
 - (i) Each notification and report that you submitted to comply with this subpart, and the documentation supporting each notification and report.
 - (ii) Records of the applicability determinations as in §63.11514(b)(1) through (5), "Am I subject to this subpart," listing equipment included in its affected source, as well as any changes to that and on what date they occurred, must be maintained for 5 years and be made available for inspector review at any time.
 - (4) Maintain a record of the manufacturer's specifications for the control devices used to comply with §63.11516, "What are my standards and management practices?"
 - (13) Manufacturer's instructions. If you comply with this subpart by operating any equipment according to manufacturer's instruction, you must keep these instructions readily available for inspector review.

(15) Your records must be maintained according to the requirements in paragraphs (c)(14)(i) through (iii) of this section.

(i) Your records must be in a form suitable and readily available for expeditious review, according to §63.10(b)(1), "General Provisions." Where appropriate, the records may be maintained as electronic spreadsheets or as a database.

(ii) As specified in §63.10(b)(1), "General Provisions," you must keep each record for 5 years following the date of each occurrence, measurement, corrective action, report, or record.

(iii) You must keep each record onsite for at least 2 years after the date of each occurrence, measurement, corrective action, report, or record according to §63.10(b)(1), "General Provisions." You may keep the records offsite for the remaining 3 years.

- E. The owner or operator shall not process material with a total HAP content in excess of 10.0 percent by weight in this emission unit (EU SB07).
- F. The owner or operator shall retain Safety Data Sheets (SDS) or manufacturer certification that states HAP constituent(s) content in percent by weight used in the emission unit.

Authority for Requirement: DNR Construction Permit 19-A-090

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): Vents inside

Stack Opening, (inches, dia.): Vents inside

Exhaust Flow Rate (scfm): 1,900

Exhaust Temperature (°F): 70

Discharge Style: Vents inside

Authority for Requirement: DNR Construction Permit 19-A-090

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: PC1, PC2, PC3 & PC4

Associated Equipment

Table: Control Equipment

Emission Point Number	Associated Emission Unit Number	Control Equipment Number	Control Equipment Description	Control Equipment
PC1	EU89 & EU95	CE PF1 CE PF7	Two Cartridge Filters	CE PF1 controls emissions from EU89, and CE PF7 controls emissions from EU95
PC2	EU90 and EU91	CE PF2 CE PF3	Two Cartridge Filters	CE PF2 controls emissions from EU90, and CE PF3 controls emissions from EU91
PC3	EU92 & EU93	CE PF4 CE PF5	Two Cartridge Filters	CE PF4 controls emissions from EU92, and CE PF5 controls emissions from EU93
PC4	EU94	CE PF6	Cartridge Filters	CE PF6 controls emissions from EU94

Table: Plasma Cutters

Emission Point Number	Associated Emission Unit Number	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit No.
PC1	EU89 & EU95	Two HyDefinition Plasma Cutters	Steel	Max capacity 180 in/min each	13-A-432-S1
PC2	EU90 and EU91	Two HyDefinition Plasma Cutters	Steel	Max capacity 180 in/min each	13-A-433-S1
PC3	EU92 and EU93	HyDefinition Plasma Cutter, EU92 and HyDefinition Plasma and Laser Cutter, EU93	Steel	Max capacity 180 in/min each	13-A-434-S1
PC4	EU94	HyDefinition Plasma and Laser Cutter, EU94	Steel	Max capacity 180 in/min each	13-A-435-S1

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40 % ⁽¹⁾

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

DNR Construction Permits 13-A-432, 13-A-433-S1, 13-A-434-S1 &
13-A-435-S1

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

Pollutant: PM₁₀

Emission Limit(s): 0.64 lb/hr (for EP PC1, PC2, & PC3)

Authority for Requirement: DNR Construction Permits 13-A-432-S1, 13-A-433-S1 & 13-A-434-S1

Pollutant: PM₁₀

Emission Limit(s): 0.32 lb/hr (for PC4)

Authority for Requirement: DNR Construction Permit 13-A-435-S1

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.05 gr/dscf

Authority for Requirement: 567 IAC 23.4(6)

DNR Construction Permits 13-A-432-S1, 13-A-433-S1, 13-A-434-S1 &
13-A-435-S1

Pollutant: Nitrogen Oxides (NO_x)

Emission Limit(s): 2.4 lb/hr (for EP PC1, PC2, & PC3)

Authority for Requirement: DNR Construction Permits 13-A-432-S1, 13-A-433-S1 & 13-A-434-S1

Pollutant: Nitrogen Oxides (NO_x)

Emission Limit(s): 1.2 lb/hr (for PC4)

Authority for Requirement: DNR Construction Permit 13-A-435-S1

Operating Requirements with Associated Monitoring and Recordkeeping

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

- A. The owner or operator shall inspect and maintain the control equipment according to manufacturer's recommendations.
- B. The owner or operator shall keep a record of control equipment inspections and maintenance.

Authority for Requirement: DNR Construction Permit 13-A-432-S1, 13-A-433-S1, 13-A-434-S1 &
13-A-435-S1

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 38

Stack Opening, (inches, dia.): 30

Exhaust Flow Rate (scfm): 10,000

Exhaust Temperature (°F): 110

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permits 13-A-432-S1, 13-A-433-S1, 13-A-434-S1 & 13-A-435-S1

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: See Table: Shot Blast

Associated Equipment

Table: Shot Blast

Emission Point Number	Associated Emission Unit Number	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit No.	Control Equipment Description
SB01	SB01	Shot Blast Pangborn #M17711	Steel Shot	127,200 lb of shot abrasive/hr	18-A-417	Baghouse (SB01)
SB03	SB03	Shot Blast Pangborn #M16684		127,200 lb of shot abrasive/hr	18-A-419	Baghouse (SB03)
SB04	SB04	Shot Blast Pangborn #M16685		127,200 lb of shot abrasive/hr	18-A-420	Baghouse (SB04)
SB05	SB05	Shot Blast Wheelabrator #M16176		129,600 lb of shot abrasive/hr	18-A-421	Baghouse (SB05)

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40 % ⁽¹⁾

Authority for Requirement: 567 IAC 23.3(2)"d"
DNR Construction Permits 18-A-417, 18-A-419, 18-A-420, 18-A-421

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

Pollutant: PM₁₀

Emission Limit(s): 0.40 lb/hr

Authority for Requirement: DNR Construction Permits 18-A-417, 18-A-419, 18-A-420, 18-A-421

Pollutant: PM

Emission Limit(s): 0.40 lb/hr; 0.05 gr/dscf

Authority for Requirement: 567 IAC 23.4(6)
DNR Construction Permits 18-A-417, 18-A-419, 18-A-420, 18-A-421

NESHAP

This source is subject to the requirements of 40 CFR 63, Subpart A, General Provisions and 40 CFR Part 63, Subpart XXXXXX, National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories. The subpart applies if the facility uses materials that contain or have the potential to emit metal fabrication or finishing metal HAP (MFHAP), which are the compounds of cadmium, chromium, lead, manganese, and nickel, or any of these metals in the elemental form with the exception of lead.

Authority for Requirement: 40 CFR 63 Subpart A
40 CFR 63 Subpart XXXXXX
567 IAC 23.1(4)
567 IAC 23.1(4)"ex"

Operating Requirements with Associated Monitoring and Recordkeeping

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

- C. The owner or operator shall comply with the emission unit operational requirements of 40 CFR §63.11516(a)(2).
- D. The owner or operator shall maintain records of configuration, operation, and maintenance of the emission units according to the manufacturer’s recommendations.
- E. The owner or operator shall prepare and submit reports as required by 40 CFR §63.11519(b).
- F. The owner or operator shall keep records as required by 40 CFR §63.11519(c).
- G. The owner or operator shall not use steel shot material with a total HAP content in excess of 3.3 percent by weight in each emission unit.
- H. The owner or operator shall retain Safety Data Sheets (SDS) or manufacturer certification that states HAP constituent(s) content in percent by weight used in each emission unit.

Authority for Requirement: DNR Construction Permits 18-A-417, 18-A-419, 18-A-420, 18-A-421

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Table: Shot Blast-Emission Point Characteristics

Emission Point Number	Emission Unit Number	Construction Permit No.	Stack Characteristics				Discharge Style
			Height (feet from ground)	Diameter (inches)	Exhaust Flowrate (scfm)	Exhaust Temp. (°F)	
SB01	SB01	18-A-417	NA	NA	6,200	70	Inside Venting
SB03	SB03	18-A-419			8,000		
SB04	SB04	18-A-420			8,000		
SB05	SB05	18-A-421			10,500		

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: SB08

Associated Equipment

Table: Abrading Equipment

Emission Point Number	Associated Emission Unit Number	Emission Unit Description	Raw Material	Rated Capacity	Construction Permit No.	Control Equipment Description
SB08	SB06	Enclosed Tumble Blast	Metal	19,200 lb of shot/hr	19-A-135	Cartridge Filters (SB08)
	SB08	Enclosed Shotblast – BCT Plate Blast		175,680 lb of shot/hr		
	SB09	Enclosed Drum Blast		21,000 lb of shot/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 19-A-135
567 IAC 23.3(2)"d"

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

Pollutant: PM

Emission Limit(s): 0.88 lb/hr

Authority for Requirement: DNR Construction Permit 19-A-135

Pollutant: PM

Emission Limit(s): 0.05 gr/dscf

Authority for Requirement: 567 IAC 23.4(6)

Pollutant: PM

Emission Limit(s): 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 19-A-135

Pollutant: Hazardous Air Pollutants (HAPS)

Emission Limit(s): 0.09 tons/yr (Total HAPs)

Authority for Requirement: DNR Construction Permit 19-A-135

NESHAP

This source is subject to the requirements of 40 CFR 63, Subpart A, General Provisions and 40 CFR Part 63, Subpart XXXXXX, National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories. The subpart applies if the facility uses materials that contain or have the potential to emit metal fabrication or finishing metal HAP (MFHAP), which are the compounds of cadmium, chromium, lead, manganese, and nickel, or any of these metals in the elemental form with the exception of lead.

Authority for Requirement: 40 CFR 63 Subpart A
40 CFR 63 Subpart XXXXXX
567 IAC 23.1(4)
567 IAC 23.1(4)"ex"

Operating Requirements with Associated Monitoring and Recordkeeping

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

- A. The owner or operator shall comply with the emission unit operational requirements per 40 CFR §63.11516(a)(2).
- B. The owner or operator shall maintain records of configuration, operation, and maintenance of the emission unit according to 40 CFR §63.11516(a)(1) and 40 CFR §63.11516(a)(2).
- C. The owner or operator shall prepare and submit reports as required by 40 CFR §63.11519(b).
- D. The owner or operator shall keep records as required per 40 CFR §63.11519(c):
- E. The owner or operator shall not use shot material with a total HAP content in excess of 10.0 percent by weight in these emission units (SB06, SB08, and SB09).
- F. The owner or operator shall retain Safety Data Sheets (SDS) or manufacturer certification of shot material and processed material that states HAP constituent(s) content in percent by weight used in these emission units.

Authority for Requirement: DNR Construction Permits 19-A-135

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 64
Stack Opening, (inches, dia.): 36
Exhaust Flow Rate (scfm): 20,600
Exhaust Temperature (°F): 70
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permits 19-A-135

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)

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 Street
Des Moines, IA 50319-0034
(515) 725-9526

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 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 Street
Des Moines, IA 50319-0034
(515) 725-8200

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

Field Office 1

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

Field Office 2

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

Field Office 3

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

Field Office 4

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

Field Office 5

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

Appendix A – NSPS and NESHAP Requirements Web Links

40 CFR Part 60, Subpart Dc: Web Link to Standards of Performance for Small Industrial-Commercial Institutional Steam Generating Units: https://www.ecfr.gov/cgi-bin/text-idx?node=sp40.7.60.d_0c

40 CFR Part 60, Subpart IIII: Web Link to Standards of Performance for Stationary Compression Ignition Internal Combustion Engines: <https://www.ecfr.gov/cgi-bin/text-idx?node=sp40.7.60.iiii>

40 CFR Part 63, Subpart A: Web Link to National Emissions Standards for Hazardous Air Pollutants for Source Categories: General Provisions <https://www.ecfr.gov/cgi-bin/text-idx?SID=489f4ea9a10a1a10c892c3e6a2c077d0&mc=true&node=sp40.11.63.a&rgn=div6>

40 CFR Part 63, Subpart XXXXXX: Web Link to National Emissions Standards for Hazardous Air Pollutants: Area Source Standards for Nine Metal Fabrication and Finishing Source Categories: <https://www.epa.gov/stationary-sources-air-pollution/nine-metal-fabrication-and-finishing-area-source-categories-40-cfr>

40 CFR Part 63, Subpart ZZZZ: Web Link to National Emissions Standards for Hazardous Air Pollutants: Stationary Reciprocating Internal Combustion Engines: <https://www.ecfr.gov/cgi-bin/text-idx?c=ecfr;rgn=div6;view=text;node=40%3A14.0.1.1.1.1;idno=40;sid=e94dcfde4a04b27290c445a56e635e58;cc=ecfr>

40 CFR Part 63, Subpart CCCCCC: Web Link to National Emissions Standards for Hazardous Air Pollutants: Gasoline Dispensing Facilities: <https://www.ecfr.gov/cgi-bin/text-idx?node=sp40.15.63.cccccc>