

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

Name of Permitted Facility: Polaris Industries, Inc.
Facility Location: 1900 Highway 71, Spirit Lake, Iowa 51360
Air Quality Operating Permit Number: 00-TV-023R4-M001
Expiration Date: February 1, 2027
Permit Renewal Application Deadline: August 1, 2026

EIQ Number: 92-6845
Facility File Number: 30-01-012

Responsible Official

Name: Mr. Anthony Stecker
Title: Plant Director
Mailing Address: 1900 Highway 71, Spirit Lake, IA 51360
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Permit Contact Person for the Facility

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

For the Director of the Department of Natural Resources

Marnie Stein

9/12/2023

Marnie Stein, Supervisor of Air Operating Permits Section

Date

Table of Contents

| | |
|--|------------|
| I. Facility Description and Equipment List | 4 |
| II. Plant - Wide Conditions..... | 6 |
| III. Emission Point Specific Conditions | 10 |
| IV. General Conditions..... | 93 |
| 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: | 107 |

Abbreviations

| | |
|-----------------|--|
| acfm..... | actual cubic feet per minute |
| CFR..... | Code of Federal Regulation |
| CE | control equipment |
| CEM..... | continuous emission monitor |
| °F..... | degrees Fahrenheit |
| EIQ..... | emissions inventory questionnaire |
| EP | emission point |
| EU | emission unit |
| gr./dscf | grains per dry standard cubic foot |
| gr./100 cf..... | grains per one hundred cubic feet |
| IAC..... | Iowa Administrative Code |
| IDNR..... | Iowa Department of Natural Resources |
| MVAC..... | motor vehicle air conditioner |
| NAICS..... | North American Industry Classification System |
| NSPS..... | new source performance standard |
| NESHAP | National Emission Standards for Hazardous Air Pollutants |
| ppmv | parts per million by volume |
| lb./hr | pounds per hour |
| lb./MMBtu | pounds per million British thermal units |
| SCC | Source Classification Codes |
| scfm..... | standard cubic feet per minute |
| SIC | Standard Industrial Classification |
| TPY | tons per year |
| USEPA..... | United States Environmental Protection Agency |

Pollutants

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

I. Facility Description and Equipment List

Facility Name: Polaris Industries, Inc.

Permit Number: 00-TV-023R4-M001

Facility Description: Transportation Equipment Manufacturer (SIC 3799)

Equipment List

| Emission Point Number | Emission Unit Number | Emission Unit Description | IDNR Construction Permit Number |
|------------------------------|-----------------------------|-------------------------------------|--|
| EP-6 | EU-6 | Spray Paint Booth #0 | 09-A-162-S2 |
| EP-18 | EU-18 | Electrocoat Dip Tank | 96-A-184-S3 |
| EP-19 | EU-19 | Electrocoat Cure Oven | 96-A-185-S2 |
| EP-20 | EU-20.1 | Powder coat Paint Booth #1 | 96-A-186-S6 |
| | EU-20.2 | Powder coat Paint Booth #2 | |
| | EU-20.3 | Powder coat Cure Oven | |
| EP-23 | EU-23 | Metal Paint Oven Cooling Tunnel | 96-A-187-S2 |
| EP Indoors | EU-29 | Welding Torit Systems (GMAW) | 17-A-311-S1 |
| EP-AMU | EU-AMU | Air Make-up Units | NA |
| EP-45 | EU-45 | Unpaved Roads (Fugitive) | NA |
| EP-47 | EU-47 | Paint Burn-Off Oven #2 | 00-A-960-S2 |
| EP-53 | EU-53 | R & D Cure Oven #1 | 04-A-823-S3 |
| EP-54 | EU-54 | R & D Cure Oven #2 | 05-A-191-S3 |
| EP-58 | EU-58 | R & D Powder coat Paint Booth | NA |
| EP-39A | EU-39A | Metallic Paints Part Washer Heaters | NA |
| EP-62 | EU-46 | Sanding Booth | 13-A-285-S1 |
| EP-63 | EU-63 | Primer Booth | 13-A-286-S3 |
| EP-64 | EU-64 | Base Coat #1 Booth | 13-A-287-S3 |
| EP-65 | EU-65 | Base Coat #2 Booth | 13-A-288-S3 |
| EP-66 | EU-66 | Clear Coat #1 Booth | 13-A-289-S3 |
| EP-67 | EU-67 | Clear Coat #2 Booth | 13-A-290-S3 |
| EP-68 | EU-68 | Graphics Booth | 13-A-291-S3 |
| EP-71 | EU-71 | Dry-off Oven | 13-A-292-S1 |
| EP-72A | EU-72 | Cure Oven | 13-A-293-S2 |
| EP-72B | | | 15-A-279-S1 |
| EP-73 | EU-73 | Parts Washer Heater | 13-A-294-S1 |
| EP-74 | EU-74 | Spray Booth Boiler | 13-A-295-S2 |
| EP-74B | EU-74B | Spray Booth Boiler (Backup) | 16-A-275 |
| EP-75 | EU-75 | Flash Enclosure Heater | 13-A-296-S1 |
| EP-76 | EU-76 | Automated Abrasive Blasting Unit | 19-A-621 |
| EP-77 | EU-77 | Emergency Backup Generator | NA |
| EP-78 | EP-78 | Humidifier; 1.2 MMBtu/hr | NA |
| EP-79 | EP-79 | Humidifier; 1.2 MMBtu/hr | NA |
| EP-80 | EU-80 | Parts Washer Heater | 19-A-622-S1 |

Insignificant Activities Equipment List

| Insignificant Emission Unit Number | Insignificant Emission Unit Description |
|---|--|
| EU-40 | Diesel Fuel Storage Tank (560 Gallons) |
| EU-41 | Gasoline Storage Tank (560 gallons) |

II. Plant-Wide Conditions

Facility Name: Polaris Industries, Inc.

Permit Number: 00-TV-023R4-M001

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

Permit Duration

The term of this permit is: 5 years from permit issuance.

Commencing on: February 2, 2022

Ending on: February 1, 2027

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

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

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

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

Pollutant: VOC

Emission Limit: 233.0 tpy from the surface coating operations listed in the following Table

Authority for Requirement: IDNR Construction Permits in the Following Table

Table 1 - Surface Coating Operations with a 233.0 tpy VOC Bubble Limit

| EP | EU | EU Description | IDNR Construction Permits |
|-----------|-----------|---------------------------------|----------------------------------|
| EP-6 | EU-6 | Spray Paint Booth #0 | 09-A-162-S2 |
| EP-18 | EU-18 | Electrocoat Dip Tank | 96-A-184-S3 |
| EP-20 | EU-20.1 | Powdercoat Paint Booth #1 | 96-A-186-S6 |
| | EU-20.2 | Powdercoat Paint Booth #2 | |
| EP-23 | EU-23 | Metal Paint Oven Cooling Tunnel | 96-A-187-S2 |
| EP-58 | EU-58 | R & D Powdercoat Paint Booth | NA |
| EP-63 | EU-63 | Primer Booth | 13-A-286-S3 |
| EP-64 | EU-64 | Base Coat #1 Booth | 13-A-287-S3 |
| EP-65 | EU-65 | Base Coat #2 Booth | 13-A-288-S3 |
| EP-66 | EU-66 | Clear Coat #1 Booth | 13-A-289-S3 |
| EP-67 | EU-67 | Clear Coat #2 Booth | 13-A-290-S3 |
| EP-68 | EU-68 | Graphics Booth | 13-A-291-S3 |

40 CFR 63 Subpart A Requirements

This facility's coating operation is subject to 40 CFR Part 63 Subpart A – General Provisions. See Appendix for the Internet link to the complete text of the Standard.

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

40 CFR 63 Subpart MMMM Requirements

This facility's coating operation is subject to the National Emission Standard for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products – 40 CFR 63 Subpart MMMM. See Table 1 for affected units. See Appendix for the Internet link to the complete text of the Standard.

Authority for Requirements: 40 CFR 63 Subpart MMMM
567 IAC 23.1(4) "cm"

40 CFR 63 Subpart PPPP Requirements

This facility's coating operation is subject to the National Emission Standard for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products MACT – 40 CFR 63 Subpart PPPP. See Table 1 for affected units. See Appendix for the Internet link to the complete text of the Standard.

Authority for Requirements: 40 CFR 63 Subpart PPPP
567 IAC 23.1(4) "cp"

40 CFR 63 Subpart DDDDD Requirements

This facility is subject to the following federal regulation: National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters [40 CFR Part 63 Subpart DDDDD]. The affected units are EP-39A, EP-73, EP-74, EP-74B, and EP-78. See Appendix for the Internet link to the complete text of the Standard.

Authority for Requirements: 40 CFR 63 Subpart DDDDD

40 CFR 63 Subpart ZZZZ Requirements

The facility's emergency backup generator, EP-77 is subject to the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. See Appendix for the Internet link to the complete text of the Standard.

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

III. Emission Point-Specific Conditions

Facility Name: Polaris Industries, Inc.

Permit Number: 00-TV-023R4-M001

Emission Point ID Number: EP-6

Associated Equipment

Associated Emission Unit ID Numbers: EU-6

Emissions Control Equipment ID Number: CE-6

Emissions Control Equipment Description: Dry Filters

Emission Unit vented through this Emission Point: EU-6

Emission Unit Description: Spray Paint Booth #0

Raw Material/Fuel: Paint

Rated Capacity: 4 HVLP Gun @ 9.0 gal/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: 567 IAC 23.3(2) "d"

DNR Construction Permit 09-A-162-S2

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

Pollutant: Particulate Matter (PM₁₀)

Emission Limit(s): 0.97 lb/hr

Authority for Requirement: DNR Construction Permit 09-A-162-S2

Pollutant: Particulate (PM)

Emission Limit(s): 0.97 lb/hr; 0.01 gr/dscf

Authority for Requirement: 567 IAC 23.4(13)

DNR Construction Permit 09-A-162-S2

Pollutant: VOC

Emission Limit(s): 233.0 tons/yr⁽²⁾

Authority for Requirement: DNR Construction Permit 09-A-162-S2

⁽²⁾Total VOC emissions from all non-combustion sources at this facility shall not exceed 233.0 tons per rolling 12-month period. All VOC-containing non-fuel materials used at the facility shall be included in the emissions calculations.

Operational Limits & Requirements

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

National Emission Standards for Hazardous Air Pollutants (NESHAP) Applicability

This unit is subject to the National Emission Standard for Hazardous Air Pollutants (NESHAP) for the Surface Coating of Miscellaneous Metal Parts and Products (40 CFR 63 Subpart MMMM; 567 IAC 23.1(4)"cm") and the NESHAP for the Surface Coating of Plastic Parts and Products (40 CFR 63 Subpart PPPP; 567 IAC 23.1(4)"cp").

Authority for Requirement: 40 CFR 63 Subpart MMMM & PPPP
567 IAC 23.1(4) "cm" & "cp"
DNR Construction Permit 09-A-162-S2

Operating Limits

Operating limits for this emission unit shall be:

- A. All spray materials shall meet the emission requirements per §63.3890 for the coating of miscellaneous metal parts and §63.4490 for the coating of plastic parts which includes, but is not limited to, limiting the VHAP emissions from finishing operations, contact adhesives and strippable spray booth coatings.
- B. The owner or operator shall comply with the work practice standards outlined in §63.3893 for the coating of miscellaneous metal parts and §63.4493 for the coating of plastic parts.
- C. The owner or operator shall comply with the compliance procedures and monitoring requirements of §63.3900 for the coating of metal parts.
- D. The owner or operator shall comply with the compliance procedures and monitoring requirements of §63.4500 for the coating of plastic parts.
- E. Total VOC emissions from all non-combustion sources at this facility shall not exceed 233.0 tons per daily rolling 365-day period. All VOC-containing non-fuel materials used at the facility shall be included in the emissions calculations.

Reporting and Recordkeeping

Unless specified by a federal regulation, all records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Department. Records shall be legible and maintained in an orderly manner. These records shall show the following:

- A. The owner or operator shall perform the Recordkeeping requirements of §63.3930 and reporting requirements of §63.3920 for the coating of miscellaneous metal parts.
- B. The owner or operator shall perform the Recordkeeping requirements of §63.4530 and reporting requirements of §63.4520 for the coating of plastic parts.

- C. The facility shall maintain a log of all materials used at the facility (Plant Number 30-01-012). The log shall contain the materials respective VOC, Single HAP and Total HAP content, (in lb/gal).

- D. The permittee (or owner or operator) shall maintain the following daily records:
 - a. The identification of each VOC-containing non-fuel material used at the facility.
 - b. The amount, in gallons, of each VOC-containing non-fuel 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.

- E. The permittee shall maintain the following monthly records:
 - a. The identification of each VOC-containing non-fuel material used at the facility.
 - b. The amount, in gallons, of each VOC-containing non-fuel 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 all non-combustion sources, in tons.
 - d. The 12-month rolling total of the amount of VOC emissions from all non-combustion sources, in tons.

- F. If the 12-month rolling total of the VOC emissions exceeds 186.4 tons, the permittee shall immediately begin keeping the following daily records:
 - a. The amount of VOC emissions from all non-combustion sources, in tons.
 - b. The 365-day rolling total of the amount of VOC emissions from all non-combustion sources, in tons.

Daily calculations for VOC emissions shall continue until the 365-day rolling total of the amount of VOC emissions from all non-combustion sources drops below 186.4 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 Section C (shown above) of this permit. If the emissions once again exceed 186.4 tons, daily recordkeeping will be required per Section C (shown above) of this permit.

- G. The permittee may take credit for any waste VOC shipped off-site. The permittee shall record the amount of the waste shipped off-site each day, and analyze the VOC content of the waste once every calendar 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 used 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 rolling totals as of the date the waste is shipped off-site.

Authority for Requirement: DNR Construction Permit 09-A-162-S2

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 13.5

Stack Opening, (inches, dia.): 40" x 40"

Exhaust Flow Rate (scfm): 9,900

Exhaust Temperature (°F): 70°

Discharge Style: Horizontal

Authority for Requirement: DNR Construction Permit 09-A-162-S2

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Paint Booth Agency Operation & Maintenance Plan

Weekly

- Inspect the paint 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.

Recordkeeping and Reporting

- 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 manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-18

Associated Equipment

Associated Emission Unit ID Numbers: EU-18

Emission Unit vented through this Emission Point: EU-18

Emission Unit Description: Electrocoat Dip Tank

Raw Material/Fuel: Paint

Rated Capacity: 7.50 gal/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 96-A-184-S3
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): 0.01 gr/dscf

Authority for Requirement: DNR Construction Permit 96-A-184-S3
567 IAC 23.4(13)

Pollutant: VOC

Emission Limit(s): 233.0 tons/yr⁽²⁾

Authority for Requirement: DNR Construction Permit 96-A-184-S3

⁽²⁾ Total VOC emissions from all non-combustion sources at this facility shall not exceed 233.0 tons per rolling 12-month period. All VOC-containing non-fuel materials used at the facility shall be included in the emissions calculations.

Operational Limits & Requirements

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

NESHAP Applicability

This unit is subject to the National Emission Standard for Hazardous Air Pollutants (NESHAP) for the Surface Coating of Miscellaneous Metal Parts and Products, 40 CFR 63 Subpart MMMM

and the NESHAP for the Surface Coating of Plastic Parts and Products, 40 CFR 63 Subpart PPPP.

Authority for Requirement: 40 CFR 63 Subparts MMMM & PPPP
567 IAC 23.1(4) "cm" & "cp"
DNR Construction Permit 96-A-184-S3

Operating Limits

Operating limits for this emission unit shall be:

- A. Total VOC emissions from all non-combustion sources at this facility shall not exceed 233.0 tons per daily rolling 365-day period. All VOC-containing materials used at the facility shall be included in the emissions calculations.

Reporting and Recordkeeping

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

- A. The permittee (or owner or operator) shall maintain the following daily records:
 - i. The identification of each VOC-containing non-fuel material used at the facility.
 - ii. The amount, in gallons, of each VOC-containing non-fuel 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.
- B. The permittee shall maintain the following monthly records:
 - i. The identification of each VOC-containing non-fuel material used at the facility.
 - ii. The amount, in gallons, of each VOC-containing non-fuel 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.
 - iii. The amount of VOC emissions from all non-combustion sources, in tons.
 - iv. The 12-month rolling total of the amount of VOC emissions from all non-combustion sources, in tons.
- C. If the 12-month rolling total of the VOC emissions exceeds 186.4 tons, the permittee shall immediately begin keeping the following daily records:
 - i. The amount of VOC emissions from all non-combustion sources, in tons.
 - ii. The 365-day rolling total of the amount of VOC emissions from all non-combustion sources, in tons.

Daily calculations for VOC emissions shall continue until the 365-day rolling total of the amount of VOC emissions from all non-combustion sources drops below 186.4 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 Section C of this permit. If the emissions once again exceed 186.4 tons, daily recordkeeping will be required per Section C of this permit.

- D. The permittee may take credit for any waste VOC shipped off-site. The permittee shall record the amount of the waste shipped off-site each day, and analyze the VOC content of the waste once every calendar 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 used 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 rolling totals as of the date the waste is shipped off-site.

Authority for Requirement: DNR Construction Permit 96-A-184-S3

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

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

Stack Opening, (inches, dia.): 18

Exhaust Flow Rate (scfm): 3,750

Exhaust Temperature (°F): Ambient (70°F)

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 96-A-184-S3

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that 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: EP-19

Associated Equipment

Associated Emission Unit ID Numbers: EU-19

Emission Unit vented through this Emission Point: EU-19

Emission Unit Description: Electrocoat Cure Oven

Raw Material/Fuel: Natural Gas

Rated Capacity: 4.0 MMBtu/hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

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

DNR Construction Permit 96-A-185-S2

⁽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): 0.1 gr/dscf

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

DNR Construction Permit 96-A-185-S2

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

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

DNR Construction Permit 96-A-185-S2

Operational Limits & Requirements

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

NESHAP Applicability

Drying and curing operations are part of the system that is defined as a coating operation under the National Emission Standards for Hazardous Air Pollutants. Therefore, this unit is subject to the requirements of the NESHAP for the Surface Coating of Miscellaneous Metal Parts and Products, 40 CFR 63 Subpart M MMM and the NESHAP for the Surface Coating of Plastic Parts and Products, 40 CFR 63 Subpart P PPP.

Authority for Requirement: 40 CFR 63 Subparts M MMM & P PPP
567 IAC 23.1(4) "cm" & "cp"
DNR Construction Permit 96-A-185-S2

Operating Limits

Operating limits for this emission unit shall be:

- A. This unit shall use natural gas only as fuel.

Reporting and Recordkeeping

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

- A. The owner/operator shall maintain all records required under the NESHAP standards that apply to this unit.

Authority for Requirement: DNR Construction Permit 96-A-185-S2

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 32

Stack Opening, (inches, dia.): 22

Exhaust Flow Rate (scfm): 1,260

Exhaust Temperature (°F): 450

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 96-A-185-S2

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-20

Associated Equipment

Associated Emission Unit ID Numbers: EU-20.1; EU-20.2; EU-20.3

Emissions Control Equipment ID Number: CE-20.1 and CE-20.2

Emissions Control Equipment Description: Wagner Filtration System

Emission Unit Descriptions, Raw Material/Fuel and Rated Capacity are listed in the following table:

| EP | EU | Emission Unit Description | Raw Material | Rated Capacity | CE ID &Description |
|-------|---------|---------------------------|--------------|----------------------|--|
| EP-20 | EU-20.1 | Powdercoat Paint Booth #1 | Paint | 31 lb/hr (Powder) | CE-20.1, CE-20.2 in series Cartridge Filters, Mat Filter |
| | EU-20.2 | Powdercoat Paint Booth #2 | Paint | | |
| | EU-20.3 | Powdercoat Cure Oven | Natural Gas | 1.42 MMBtu/hr | |

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

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

DNR Construction Permit 96-A-186-S6

⁽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): 0.01 gr/dscf

Authority for Requirement: 567 IAC 23.4(13)

DNR Construction Permit 96-A-186-S6

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 233.0 ton/yr ⁽²⁾

Authority for Requirement: DNR Construction Permit 96-A-186-S6

⁽²⁾ Total VOC emissions from all non-combustion sources at this facility shall not exceed 233.0 tons per rolling 12-month period. All VOC-containing non-fuel materials used at the facility shall be included in the emissions calculations.

Operational Limits & Requirements

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

NESHAP Applicability

This unit is subject to NESHAP 40 CFR 63 Subpart M MMM – National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products and NESHAP 40 CFR 63 Subpart P PPP – National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products.

Authority for Requirement: 40 CFR 63 Subparts M MMM & P PPP
567 IAC 23.1(4) "cm" & "cp"
DNR Construction Permit 96-A-186-S6

Operating Limits

Operating limits for this emission unit shall be:

- A. Total VOC emissions from all non-combustion sources at this facility shall not exceed 233.0 tons per daily rolling 365-day period. All VOC emissions at the facility shall be included in the emissions calculations.

Reporting and Recordkeeping

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

- A. The permittee (or owner or operator) shall maintain the following daily records:
 - i. The identification of each powdercoat material used at the facility.
 - ii. The amount, in pounds, of each powdercoat material used at the facility. For the purposes of calculating emissions, all material may be considered used on the day the materials are delivered to the facility or to the production line.
- B. The permittee shall maintain the following monthly records:
 - i. The identification of each powdercoat material used at the facility.
 - ii. The amount, in pounds, of each powdercoat material used at the facility. For the purposes of calculating emissions, all material may be considered used on the day the materials are delivered to the facility or to the production line.
 - iii. The amount of VOC emissions from all non-combustion sources, in tons. When calculating the VOC emissions from the powdercoating operations, it shall be assumed that 2.5% by weight of the powdercoat material is emitted as VOCs.
 - iv. The 12-month rolling total of the amount of VOC emissions from all non-combustion sources, in tons.
- C. If the 12-month rolling total of the VOC emissions exceeds 186.4 tons, the permittee shall immediately begin keeping the following daily records:

- i. The amount of VOC emissions from all non-combustion sources, in tons. When calculating the VOC emissions from the powdercoating operations, it shall be assumed that 2.5% by weight of the powdercoat material is emitted as VOCs.
- ii. The 365-day rolling total of the amount of VOC emissions from all non-combustion sources, in tons.

Daily calculations for VOC emissions shall continue until the 365-day rolling total of the amount of VOC emissions from all non-combustion sources drops below 186.4 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 Section C of this permit. If the emissions once again exceed 186.4 tons, daily recordkeeping will be required per Section C of this permit.

- D. The permittee may take credit for any waste VOC shipped off-site. The permittee shall record the amount of the waste shipped off-site each day, and analyze the VOC content of the waste once every calendar 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 used 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 rolling totals as of the date the waste is shipped off-site.

Authority for Requirement: DNR Construction Permit 96-A-186-S6

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 33

Stack Opening, (inches, dia.): 16

Exhaust Flow Rate (scfm): 6,000

Exhaust Temperature (°F): 400 °F

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 96-A-186-S6

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

Monitoring Requirements

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

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

Paint Booth Agency Operation & Maintenance Plan

Weekly

- Inspect the paint 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.

Recordkeeping and Reporting

- 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 manufacturer’s recommendations.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-23

Associated Equipment

Associated Emission Unit ID Numbers: EU-23

Emission Unit vented through this Emission Point: EU-23
Emission Unit Description: Metal Paint Oven Cooling Tunnel
Raw Material/Fuel: Paint
Rated Capacity: 10.0 gal/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: 567 IAC 23.3(2) "d"
DNR Construction Permit 96-A-187-S2

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

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2) "a"
DNR Construction Permit 96-A-187-S2

Operational Limits & Requirements

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

NESHAP Applicability

Drying and curing operations are part of the system that is defined as a coating operation under the National Emission Standards for Hazardous Air Pollutants. Therefore, this unit is subject to the requirements of the NESHAP for the Surface Coating of Miscellaneous Metal Parts and Products (40 CFR 63 Subpart M MMM) and the NESHAP for the Surface Coating of Plastic Parts and Products, (40 CFR 63 Subpart P PPP).

Authority for Requirement: 40 CFR 63 Subparts M MMM & P PPP
567 IAC 23.1(4) "cm" & "cp"
DNR Construction Permit 96-A-187-S2

Reporting and Recordkeeping

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

- A. The owner/operator shall maintain all records required under the NESHAP standards that apply to this unit.

Authority for Requirement: DNR Construction Permit 96-A-187-S2

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 37

Stack Opening, (inches, dia.): 40

Exhaust Flow Rate (scfm): 19,875

Exhaust Temperature (°F): 100

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 96-A-187-S2

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP Indoors

Associated Equipment

Associated Emission Unit ID Numbers: EU 29

Emissions Control Equipment ID Number: CE 29a – CE 29d

Emissions Control Equipment Description: 1 to 4 Cartridge Filters depending on rod type used

Emission Unit vented through this Emission Point: EU 29

Emission Unit Description: Welding Torit Systems (GMAW)

Raw Material/Fuel and Capacity: 1551 pounds of steel welding rod per hour, 729.6 pounds aluminum welding rod 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: 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 (PM)

Emission Limit(s): 4.22 lb./hr, 0.1 gr./dscf

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

DNR Construction Permit 17-A-311-S1

Pollutant: PM₁₀

Emission Limit(s): 4.22 lb./hr

Authority for Requirement: DNR Construction Permit 17-A-311-S1

Operational Limits & Requirements

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

EP Indoors Only

1. The owner or operator shall conduct an inspection of the emission units and the associated control equipment at a minimum of once per year and correct/repair any issues discovered during the inspection. The owner or operator shall maintain a log of all inspections and maintenance activities performed on the emission units and the associated control equipment. This log shall include, but is not necessarily limited to:
 - a. The date and time any inspection and/or maintenance was performed on the emission unit and/or control equipment;
 - b. Any issues identified during the inspection and the date each issue was resolved; and,
 - c. Any issues addressed during the maintenance activities and the date each issue was resolved.

Authority for Requirement: DNR Construction Permit 17-A-311-S1

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

| Emission Point Number | Stack Height (feet from ground) | Stack Opening (inches, dia.) | Exhaust Flow Rate (scfm) | Exhaust Temp. (°F) | Discharge Style |
|------------------------------|--|-------------------------------------|---------------------------------|---------------------------|------------------------|
| EP Indoors | Indoors | Indoors | 4,000 | 70 | Indoors |

Authority for Requirement: DNR Construction Permit 17-A-311-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 30 days of the discovery to determine if a permit amendment is required, or submit a permit application requesting to amend the permit.

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Required for CE 28, CE 29, CE 29a-29d

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-AMU

Associated Equipment

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

Emission Unit vented through this Emission Point: EU-AMU
Emission Unit Description: Air Make-up Units (9 units)
Raw Material/Fuel: Natural Gas
Rated Capacity: 38.05 MMBtu/hr

Applicable Requirements

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

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

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

Pollutant: Particulate Matter
Emission Limits: 0.8 lb/MMBtu
Authority for Requirement: 567 IAC 23.3(2)"b"

Pollutant: Sulfur Dioxide (SO2)
Emission Limit: 500 ppmv
Authority for Requirement: 567 IAC 23.3(3)"e"

Operational Limits & Requirements

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

Operational limits are not required at this time.

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-45

Associated Equipment

Associated Emission Unit ID Numbers: EU-45
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: NA
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: EU-45
Emission Unit Description: Unpaved Roads (Fugitive)
Raw Material/Fuel: Fugitive Dust
Rated Capacity: 0.55 VMT/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: 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"

Operational Limits & Requirements

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

Operational limits are not required at this time.

Monitoring Requirements

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-47

Associated Equipment

Associated Emission Unit ID Numbers: EU-47
Emissions Control Equipment ID Number: None
Emissions Control Equipment Description: NA
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: EU-47
Emission Unit Description: Paint Burn-Off Oven #2
Raw Material/Fuel: Natural Gas
Rated Capacity: 0.625 MMBtu/hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% ^{(1), (2)}

Authority for Requirement: 567 IAC 23.3(2) "d"
DNR Construction Permit 00-A-960-S2

⁽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).

⁽²⁾Visible air contaminants in excess of 40% opacity may be emitted for a period or period aggregating not more than 3 minutes in any 60-minute period an operation breakdown or during the cleaning of air pollution control equipment.

Pollutant: Particulate Matter (PM₁₀)

Emission Limit(s): 0.38 lb/hr

Authority for Requirement: DNR Construction Permit 00-A-960-S2

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.35 gr/dscf

Authority for Requirement: 567 IAC 23.4 (12)
DNR Construction Permit 00-A-960-S2

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

Authority for Requirement: 567 IAC 23.3(3) "e"
DNR Construction Permit 00-A-960-S2

Operational Limits & Requirements

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

NESHAP Applicability

This unit is subject to NESHAP 40 CFR 63 Subpart Mmmm – National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products and NESHAP 40 CFR 63 Subpart Pppp – National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products.

Authority for Requirement: 40 CFR 63 Subparts Mmmm & Pppp
567 IAC 23.1(4) "cm" & "cp"
DNR Construction Permit 00-A-960-S2

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 34
Stack Opening, (inches, dia.): 18
Exhaust Flow Rate (scfm): 130
Exhaust Temperature (°F): 1,400 °F
Discharge Style: Vertical Obstructed
Authority for Requirement: DNR Construction Permit 00-A-960-S2

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

Monitoring Requirements

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: R & D Cure Ovens and Paint Booth

Associated Equipment

Associated Emission Unit ID Numbers: EU-53, EU-54, EU-58

Emissions Control Equipment ID Number: CE-58

Emissions Control Equipment Description: Mat Filters

Table 1- Ovens and Booth

| EP | EU | Emission Unit Description | Raw Material | Rated Capacity | CE | Con. Permit |
|-------|-------|------------------------------|---------------|----------------|------|-------------|
| EP-53 | EU-53 | R & D Cure Oven #1 | Natural Gas | 0.5 MMBtu/hr | None | 04-A-823-S3 |
| EP-54 | EU-54 | R & D Cure Oven #2 | | 0.5 MMBtu/hr | None | 05-A-191-S3 |
| EP-58 | EU-58 | R & D Powdercoat Paint Booth | Powder Paints | 5.0 lb/hr | None | None |

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.

Table 2- Ovens and Booth

| EP | EU | Opacity | PM (gr/dscf) | SO ₂ ppmv | VOC ton/yr |
|-------|-------|--------------------|--------------|----------------------|----------------------|
| EP-53 | EU-53 | 40% ⁽¹⁾ | 0.1 | 500 | NA |
| EP-54 | EU-54 | 40% ⁽¹⁾ | 0.1 | 500 | NA |
| EP-58 | EU-58 | 40% | 0.01 | NA | 233.0 ⁽²⁾ |

⁽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).

⁽²⁾ Total VOC emissions from all non-combustion sources at this facility shall not exceed 233.0 tons per rolling 12-month period. All VOC-containing non-fuel materials used at the facility shall be included in the emissions calculations.

Table 3- Ovens and Booth

| Pollutant | Emission Limits | Authority of Requirement |
|-----------------|-----------------|--|
| Opacity | 40% | 567 IAC 23.3(2) "d" and Construction Permits referred in Table 1 |
| PM | 0.1 gr/dscf | 567 IAC 23.3(2) "a" and Construction Permits referred in Table 1 |
| PM | 0.01 gr/dscf | 567 IAC 23.4(13) |
| SO ₂ | 500 ppmv | 567 IAC 23.3(3) "e" and Construction Permits referred in Table 1 |
| VOC | 233.0 ton/yr | See Plant-Wide Conditions |

Operational Limits & Requirements

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

NESHAP Applicability

Drying and curing operations are part of the system that is defined as a coating operation under the National Emission Standards for Hazardous Air Pollutants. Therefore, this unit is subject to the requirements of the NESHAP for the Surface Coating of Miscellaneous Metal Parts and Products (40 CFR 63 Subpart M MMM) and the NESHAP for the Surface Coating of Plastic Parts and Products, (40 CFR 63 Subpart P PPP).

Authority for Requirement: 40 CFR 63 Subparts M MMM & P PPP
567 IAC 23.1(4) "cm" & "cp"

DNR Construction Permits: 04-A-823-S3, 05-A-191-S3

Operating Limits

Operating limits for this emission unit shall be:

- A. This unit shall use natural gas only as fuel.
- B. Total VOC emissions from all non-combustion sources at this facility shall not exceed 233.0 tons per daily rolling 365-day period. All VOC emissions at the facility shall be included in the emissions calculations.

Reporting and Recordkeeping

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

- A. The permittee (or owner or operator) shall maintain the following daily records:
 - i. The identification of each powdercoat material used at the facility.
 - ii. The amount, in pounds, of each powdercoat material used at the facility. For the purposes of calculating emissions, all material may be considered used on the day the materials are delivered to the facility or to the production line.
- B. The permittee shall maintain the following monthly records:
 - i. The identification of each powdercoat material used at the facility.
 - ii. The amount, in pounds, of each powdercoat material used at the facility. For the purposes of calculating emissions, all material may be considered used on the day the materials are delivered to the facility or to the production line.
 - iii. The amount of VOC emissions from all non-combustion sources, in tons. When calculating the VOC emissions from the powdercoating operations, it shall be assumed that 2.5% by weight of the powdercoat material is emitted as VOCs.
 - iv. The 12-month rolling total of the amount of VOC emissions from all non-combustion sources, in tons.

- C. If the 12-month rolling total of the VOC emissions exceeds 186.4 tons, the permittee shall immediately begin keeping the following daily records:
- i. The amount of VOC emissions from all non-combustion sources, in tons. When calculating the VOC emissions from the powdercoating operations, it shall be assumed that 2.5% by weight of the powdercoat material is emitted as VOCs.
 - ii. The 365-day rolling total of the amount of VOC emissions from all non-combustion sources, in tons.

Daily calculations for VOC emissions shall continue until the 365-day rolling total of the amount of VOC emissions from all non-combustion sources drops below 186.4 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 Section C of this permit. If the emissions once again exceed 186.4 tons, daily recordkeeping will be required per Section C of this permit.

- D. The permittee may take credit for any waste VOC shipped off-site. The permittee shall record the amount of the waste shipped off-site each day, and analyze the VOC content of the waste once every calendar 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 used 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 rolling totals as of the date the waste is shipped off-site.

Authority for Requirement: DNR Construction Permits: 04-A-823-S3, 05-A-191-S3

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Table 4- Ovens

| EP | EU | Construction Permit | Stack Height (ft, above ground) | Stack Opening (in, dia.) | Exhaust Temp. °F | Exhaust Flowrate (scfm) | Discharge Style |
|-------|-------|---------------------|---------------------------------|--------------------------|------------------|-------------------------|-----------------------|
| EP-53 | EU-53 | 04-A-823-S3 | 33 | 8 | 650 | 700 | Vertical Unobstructed |
| EP-54 | EU-54 | 05-A-191-S3 | 33 | 8 | 650 | 700 | Vertical Unobstructed |
| EP-58 | EU-58 | Vented Internally | | | | | |

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-39A

Associated Equipment

Associated Emission Unit ID Numbers: EU-39A

Emission Unit vented through this Emission Point: EU-39A
Emission Unit Description: Metallic Paints Part Washer Heaters
Raw Material/Fuel: Natural Gas
Rated Capacity: 6.30 MMBtu/hr

Applicable Requirements

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

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

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

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.8 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"

Operational Limits & Requirements

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

NESHAP Applicability

This unit is subject to the National Emission Standard for Hazardous Air Pollutants (NESHAP) for Industrial-Commercial-Institutional Boilers and Process Heaters located at Major Sources of HAPs (40 CFR 63 Subpart DDDDD). At the time of the issuance of this permit, the Department has not adopted this standard. Until such time as the Department does adopt this standard, the USEPA shall be considered the administrator of this standard.

Authority for Requirement: 40 CFR 63 Subpart DDDDD

Operating Limits

Operating limits for this emission unit shall be:

- A. This emission unit shall combust pipeline quality natural gas only.

Authority for Requirement: 567 IAC 22.108 (14)

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-62

Associated Equipment

Associated Emission Unit ID Numbers: EU-46

Emission Unit vented through this Emission Point: EU-46
Emission Unit Description: Sanding Booth
Raw Material/Fuel: Abrasives and Metal Parts
Rated Capacity: 250.0 Parts/Day

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

Authority for Requirement: 567 IAC 23.3(2) "d"
DNR Construction Permit 13-A-285-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: Particulate Matter (PM₁₀)

Emission Limit(s): 0.21 lb/hr

Authority for Requirement: DNR Construction Permit 13-A-285-S1

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.05 gr/dscf

Authority for Requirement: 567 IAC 23.4(6)
DNR Construction Permit 13-A-285-S1

Operational Limits & Requirements

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

Operational limits are not required at this time.

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-63

Associated Equipment

Associated Emission Unit ID Numbers: EU-63
Emissions Control Equipment ID Number: CE-63
Emissions Control Equipment Description: Scrubber/ Water Wash
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: EU-63
Emission Unit Description: Primer Booth
Raw Material/Fuel: Primer Paint
Rated Capacity: 2 guns @ 7.9 gallons per hour 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 13-A-286-S3

⁽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: 567 IAC 23.4(13)

DNR Construction Permit 13-A-286-S3

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 233.0 tons/yr⁽²⁾

Authority for Requirement: DNR Construction Permit 13-A-286-S3

⁽²⁾ Total VOC emissions from all non-combustion sources at this facility shall not exceed 233.0 tons per rolling 12-month period. All VOC-containing non-fuel materials used at the facility shall be included in the emissions calculations.

Pollutant: Organic HAP

Emission Limit(s): See footnote (3) and (4)

Authority for Requirement: 40 CFR 63 Subparts Mmmm & Pppp

567 IAC 23.1(4) "cm" & "cp"

DNR Construction Permit 13-A-286-S3

⁽³⁾ Per 40 CFR §63.3890(b)(1), each existing general use coating affected source is limited to organic hazardous air pollutant (HAP) emissions of no more than 0.31 kg (2.6 lb) organic HAP emitted per liter (gal) coating solids used during each 12-month compliance period.

⁽⁴⁾ Per 40 CFR §63.4490(b)(1), each existing general use coating affected source is limited to organic HAP emissions of no more than 0.16 kg (0.16 lb) organic HAP emitted per kg (lb) coating solids used during each 12-month compliance period.

Operating Requirements with Associated Monitoring and Recordkeeping:

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 permittee (owner or operator) shall maintain the following daily records:
 - i. The identification of each VOC-containing, non-fuel material used at the facility.
 - ii. The amount, in gallons, of each VOC-containing non-fuel 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.
- B. The permittee shall maintain the following monthly records:
 - i. The identification and the VOC content of each VOC-containing, non-fuel material used at the facility.
 - ii. The amount, in gallons, of each VOC-containing non-fuel 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.
 - iii. The amount of VOC emissions from all non-combustion sources at the facility, in tons.
 - iv. The 12-month rolling total amount of VOC emissions from all non-combustion sources, in tons.
- C. If the 12-month rolling total amount of VOC emissions from all non-combustion sources at this facility exceeds 186.4 tons per rolling 12-month period, the permittee shall maintain the following daily records:
 - i. The total VOC emissions of (tons) from all sources at this facility; and
 - ii. The 365-day rolling total amount of VOC emissions from all sources at this facility. Daily calculations for VOC emissions from all non-combustion sources shall continue until the 365-day rolling total amount of VOC emissions drops below 186.4 tons for the remainder of the calendar month plus one additional calendar month. Monthly calculation of VOC emissions will then begin in the following month.
- D. The permittee may take credit for any waste VOC shipped off-site. The permittee shall record the amount of the waste shipped off-site each day, and analyze the VOC content of the waste once every calendar 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 used 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 rolling totals as of the date the waste is shipped off-site.

- E. The permittee shall maintain minimum pressure drop across the control device (CE 63) greater than 6.5 inches of water column.
 - i. The permittee shall properly operate and maintain equipment to continuously monitor the differential pressure drop for the control device (CE 63).
 - a) The permittee shall collect and record the differential pressure drop, at a minimum of once per day.
 - b) If the pressure drop deviates below the minimum pressure drop required, then record the time, date and actions taken to correct the situation and when the pressure drop is back above the minimum pressure drop required.
 - ii. This requirement shall not apply on those days that the equipment the water wall (CE 63) controls is not in operation.
- F. This emission unit is subject to all applicable requirements set forth in NESHAP Subpart MMMM (40 CFR §63.3880 – 40 CFR §63.3981).
 - i. All spray materials shall meet the emission requirements per §63.3890 for the coating of miscellaneous metal parts, which includes, but is not limited to, limiting organic HAP emissions from finishing operations, contact adhesives and strippable spray booth coatings.
 - ii. The permittee shall comply with the work practice standards outlined in §63.3893 for the coating of miscellaneous metal parts and products.
 - iii. The owner or operator shall comply with the compliance procedures and monitoring requirements of §63.3900 for the coating of miscellaneous metal parts and products.
 - iv. The owner or operator shall perform the record keeping requirements of §63.3930 and reporting requirements of §63.3920 for the coating of miscellaneous metal parts and products.
- G. This emission unit is subject to all applicable requirements set forth in NESHAP Subpart PPPP (40 CFR §63.4480 – 40 CFR §63.4581).
 - i. All spray materials shall meet the emission requirements per §63.4490 for the coating of plastic parts, which includes, but is not limited to, limiting organic HAP emissions from finishing operations, contact adhesives and strippable spray booth coatings.
 - ii. The permittee shall comply with the work practice standards outlined in §63.4493 for the coating of plastic parts and products.
 - iii. The owner or operator shall comply with the compliance procedures and monitoring requirements of §63.4500 for the coating of plastic parts and products.
 - iv. The owner or operator shall perform the record keeping requirements of §63.4530 and reporting requirements of §63.4520 for the coating of plastic parts and products.
- H. Retain Safety Data Sheets (SDS) for all VOC and HAP containing materials used at the facility.
- I. The permittee shall inspect and maintain the control equipment (water wall), CE 63, according to the facility's operation and maintenance plan or manufacturer's specifications with inspections occurring at a minimum of once per calendar year.

Authority for Requirement: 40 CFR 63 Subparts MMMM & PPPP
567 IAC 23.1(4) "cm" & "cp"
DNR Construction Permit 13-A-286-S3

NESHAP Applicability

This unit is subject to the National Emission Standard for Hazardous Air Pollutants (NESHAP) for the Surface Coating of Miscellaneous Metal Parts and Products, 40 CFR 63 Subpart M MMM and the NESHAP for the Surface Coating of Plastic Parts and Products, 40 CFR 63 Subpart P PPP.

Authority for Requirement: 40 CFR 63 Subparts M MMM & P PPP
567 IAC 23.1(4) "cm" & "cp"
DNR Construction Permits: 13-A-286-S3

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 47
Stack Opening, (inches, dia.): 16
Exhaust Flow Rate (scfm): 3,000
Exhaust Temperature (°F): 70
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 13-A-286-S3

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

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

Paint Booth Agency Operation & Maintenance Plan

Weekly

- Inspect the paint 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 and/or water wall.
- Maintain a written record of the observation and any action resulting from the inspection.

Recordkeeping and Reporting

- 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 manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-64

Associated Equipment

Associated Emission Unit ID Numbers: EU-64
Emissions Control Equipment ID Number: CE-64
Emissions Control Equipment Description: Scrubber/ Water Wash
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: EU-64
Emission Unit Description: Base Coat #1 Booth
Raw Material/Fuel: Paint
Rated Capacity: 2 guns @ 7.9 gallons per hour 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 13-A-287-S3

⁽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: 567 IAC 23.4(13)
DNR Construction Permit 13-A-287-S3

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 233.0 tons/yr⁽²⁾

Authority for Requirement: DNR Construction Permit 13-A-287-S3

⁽²⁾ Total VOC emissions from all non-combustion sources at this facility shall not exceed 233.0 tons per rolling 12-month period. All VOC-containing non-fuel materials used at the facility shall be included in the emissions calculations.

Pollutant: Organic HAP

Emission Limit(s): See footnote (3) and (4)

Authority for Requirement: 40 CFR 63 Subparts Mmmm & Pppp
567 IAC 23.1(4) "cm" & "cp"
DNR Construction Permit 13-A-287-S3

⁽³⁾ Per 40 CFR §63.3890(b)(1), each existing general use coating affected source is limited to organic hazardous air pollutant (HAP) emissions of no more than 0.31 kg (2.6 lb) organic HAP emitted per liter (gal) coating solids used during each 12-month compliance period.

⁽⁴⁾ Per 40 CFR §63.4490(b)(1), each existing general use coating affected source is limited to organic HAP emissions of no more than 0.16 kg (0.16 lb) organic HAP emitted per kg (lb) coating solids used during each 12-month compliance period.

Operating Requirements with Associated Monitoring and Recordkeeping:

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 permittee (owner or operator) shall maintain the following daily records:
 - i. The identification of each VOC-containing, non-fuel material used at the facility.
 - ii. The amount, in gallons, of each VOC-containing non-fuel 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.
- B. The permittee shall maintain the following monthly records:
 - i. The identification and the VOC content of each VOC-containing, non-fuel material used at the facility.
 - ii. The amount, in gallons, of each VOC-containing non-fuel 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.
 - iii. The amount of VOC emissions from all non-combustion sources at the facility, in tons.
 - iv. The 12-month rolling total amount of VOC emissions from all non-combustion sources, in tons.
- C. If the 12-month rolling total amount of VOC emissions from all non-combustion sources at this facility exceeds 186.4 tons per rolling 12-month period, the permittee shall maintain the following daily records:
 - i. The total VOC emissions of (tons) from all sources at this facility; and
 - ii. The 365-day rolling total amount of VOC emissions from all sources at this facility. Daily calculations for VOC emissions from all non-combustion sources shall continue until the 365-day rolling total amount of VOC emissions drops below 186.4 tons for the remainder of the calendar month plus one additional calendar month. Monthly calculation of VOC emissions will then begin in the following month.
- D. The permittee may take credit for any waste VOC shipped off-site. The permittee shall record the amount of the waste shipped off-site each day, and analyze the VOC content of the waste once every calendar 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 used 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 rolling totals as of the date the waste is shipped off-site.

- E. The permittee shall maintain minimum pressure drop across the control device (CE 64) greater than 6.5 inches of water column.
 - i. The permittee shall properly operate and maintain equipment to continuously monitor the differential pressure drop for the control device (CE 64).
 - a) The permittee shall collect and record the differential pressure drop, at a minimum of once per day.
 - b) If the pressure drop deviates below the minimum pressure drop required, then record the time, date and actions taken to correct the situation and when the pressure drop is back above the minimum pressure drop required.
 - ii. This requirement shall not apply on those days that the equipment the water wall (CE 64) controls is not in operation.
- F. This emission unit is subject to all applicable requirements set forth in NESHAP Subpart MMMM (40 CFR §63.3880 – 40 CFR §63.3981).
 - i. All spray materials shall meet the emission requirements per §63.3890 for the coating of miscellaneous metal parts, which includes, but is not limited to, limiting organic HAP emissions from finishing operations, contact adhesives and strippable spray booth coatings.
 - ii. The permittee shall comply with the work practice standards outlined in §63.3893 for the coating of miscellaneous metal parts and products.
 - iii. The owner or operator shall comply with the compliance procedures and monitoring requirements of §63.3900 for the coating of miscellaneous metal parts and products.
 - iv. The owner or operator shall perform the record keeping requirements of §63.3930 and reporting requirements of §63.3920 for the coating of miscellaneous metal parts and products.
- G. This emission unit is subject to all applicable requirements set forth in NESHAP Subpart PPPP (40 CFR §63.4480 – 40 CFR §63.4581).
 - i. All spray materials shall meet the emission requirements per §63.4490 for the coating of plastic parts, which includes, but is not limited to, limiting organic HAP emissions from finishing operations, contact adhesives and strippable spray booth coatings.
 - ii. The permittee shall comply with the work practice standards outlined in §63.4493 for the coating of plastic parts and products.
 - iii. The owner or operator shall comply with the compliance procedures and monitoring requirements of §63.4500 for the coating of plastic parts and products.
 - iv. The owner or operator shall perform the record keeping requirements of §63.4530 and reporting requirements of §63.4520 for the coating of plastic parts and products.
- H. Retain Safety Data Sheets (SDS) for all VOC and HAP containing materials used at the facility.
- I. The permittee shall inspect and maintain the control equipment (water wall), CE 64, according to the facility's operation and maintenance plan or manufacturer's specifications with inspections occurring at a minimum of once per calendar year.

Authority for Requirement: 40 CFR 63 Subparts MMMM & PPPP
567 IAC 23.1(4) "cm" & "cp"
DNR Construction Permit: 13-A-287-S3

NESHAP Applicability

This unit is subject to the National Emission Standard for Hazardous Air Pollutants (NESHAP) for the Surface Coating of Miscellaneous Metal Parts and Products (40 CFR 63 Subpart MMMM; 567 IAC 23.1(4) "cm") and the NESHAP for the Surface Coating of Plastic Parts and Products (40 CFR 63 Subpart PPPP; 567 IAC 23.1(4) "cp").

Authority for Requirement: 40 CFR 63 Subparts MMMM & PPPP
567 IAC 23.1(4) "cm" & "cp"
DNR Construction Permit: 13-A-287-S3

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 47
Stack Opening, (inches, dia.): 16
Exhaust Flow Rate (scfm): 3,000
Exhaust Temperature (°F): 70
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 13-A-287-S3

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

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

Paint Booth Agency Operation & Maintenance Plan

Weekly

- Inspect the paint 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 and/or water wall.
- Maintain a written record of the observation and any action resulting from the inspection.

Recordkeeping and Reporting

- 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 manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-65

Associated Equipment

Associated Emission Unit ID Numbers: EU-65
Emissions Control Equipment ID Number: CE-65
Emissions Control Equipment Description: Scrubber/ Water Wash
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: EU-65
Emission Unit Description: Base Coat #2 Booth
Raw Material/Fuel: Paint
Rated Capacity: 2 guns @ 7.9 gallons per hour 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 13-A-288-S3

⁽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: 567 IAC 23.4(13)

DNR Construction Permit 13-A-288-S3

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 233.0 tons/yr⁽²⁾

Authority for Requirement: DNR Construction Permit 13-A-288-S3

⁽²⁾ Total VOC emissions from all non-combustion sources at this facility shall not exceed 233.0 tons per rolling 12-month period. All VOC-containing non-fuel materials used at the facility shall be included in the emissions calculations.

Pollutant: Organic HAP

Emission Limit(s): See footnote (3) and (4)

Authority for Requirement: 40 CFR 63 Subparts Mmmm & Pppp
567 IAC 23.1(4) "cm" & "cp"

DNR Construction Permit: 13-A-288-S3

⁽³⁾ Per 40 CFR §63.3890(b)(1), each existing general use coating affected source is limited to organic hazardous air pollutant (HAP) emissions of no more than 0.31 kg (2.6 lb) organic HAP emitted per liter (gal) coating solids used during each 12-month compliance period .

⁽⁴⁾ Per 40 CFR §63.4490(b)(1), each existing general use coating affected source is limited to organic HAP emissions of no more than 0.16 kg (0.16 lb) organic HAP emitted per kg (lb) coating solids used during each 12-month compliance period.

Operating Requirements with Associated Monitoring and Recordkeeping:

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 permittee (owner or operator) shall maintain the following daily records:
 - i. The identification of each VOC-containing, non-fuel material used at the facility.
 - ii. The amount, in gallons, of each VOC-containing non-fuel 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.
- B. The permittee shall maintain the following monthly records:
 - i. The identification and the VOC content of each VOC-containing, non-fuel material used at the facility.
 - ii. The amount, in gallons, of each VOC-containing non-fuel 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.
 - iii. The amount of VOC emissions from all non-combustion sources at the facility, in tons.
 - iv. The 12-month rolling total amount of VOC emissions from all non-combustion sources, in tons.
- C. If the 12-month rolling total amount of VOC emissions from all non-combustion sources at this facility exceeds 186.4 tons per rolling 12-month period, the permittee shall maintain the following daily records:
 - i. The total VOC emissions of (tons) from all sources at this facility; and
 - ii. The 365-day rolling total amount of VOC emissions from all sources at this facility. Daily calculations for VOC emissions from all non-combustion sources shall continue until the 365-day rolling total amount of VOC emissions drops below 186.4 tons for the remainder of the calendar month plus one additional calendar month. Monthly calculation of VOC emissions will then begin in the following month.
- D. The permittee may take credit for any waste VOC shipped off-site. The permittee shall record the amount of the waste shipped off-site each day, and analyze the VOC content of the waste once every calendar 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 used 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 rolling totals as of the date the waste is shipped off-site.

- E. The permittee shall maintain minimum pressure drop across the control device (CE 65) greater than 6.5 inches of water column.
 - i. The permittee shall properly operate and maintain equipment to continuously monitor the differential pressure drop for the control device (CE 65).
 - a) The permittee shall collect and record the differential pressure drop, at a minimum of once per day.
 - b) If the pressure drop deviates below the minimum pressure drop required, then record the time, date and actions taken to correct the situation and when the pressure drop is back above the minimum pressure drop required.
 - ii. This requirement shall not apply on those days that the equipment the water wall (CE 65) controls is not in operation.
- F. This emission unit is subject to all applicable requirements set forth in NESHAP Subpart MMMM (40 CFR §63.3880 – 40 CFR §63.3981).
 - i. All spray materials shall meet the emission requirements per §63.3890 for the coating of miscellaneous metal parts, which includes, but is not limited to, limiting organic HAP emissions from finishing operations, contact adhesives and strippable spray booth coatings.
 - ii. The permittee shall comply with the work practice standards outlined in §63.3893 for the coating of miscellaneous metal parts and products.
 - iii. The owner or operator shall comply with the compliance procedures and monitoring requirements of §63.3900 for the coating of miscellaneous metal parts and products.
 - iv. The owner or operator shall perform the record keeping requirements of §63.3930 and reporting requirements of §63.3920 for the coating of miscellaneous metal parts and products.
- G. This emission unit is subject to all applicable requirements set forth in NESHAP Subpart PPPP (40 CFR §63.4480 – 40 CFR §63.4581).
 - i. All spray materials shall meet the emission requirements per §63.4490 for the coating of plastic parts, which includes, but is not limited to, limiting organic HAP emissions from finishing operations, contact adhesives and strippable spray booth coatings.
 - ii. The permittee shall comply with the work practice standards outlined in §63.4493 for the coating of plastic parts and products.
 - iii. The owner or operator shall comply with the compliance procedures and monitoring requirements of §63.4500 for the coating of plastic parts and products.
 - iv. The owner or operator shall perform the record keeping requirements of §63.4530 and reporting requirements of §63.4520 for the coating of plastic parts and products.
- H. Retain Safety Data Sheets (SDS) for all VOC and HAP containing materials used at the facility.
- I. The permittee shall inspect and maintain the control equipment (water wall), CE 65, according to the facility's operation and maintenance plan or manufacturer's specifications with inspections occurring at a minimum of once per calendar year.

Authority for Requirement: 40 CFR 63 Subparts MMMM & PPPP
 567 IAC 23.1(4) "cm" & "cp"
 DNR Construction Permit: 13-A-288-S3

NESHAP Applicability

This unit is subject to the National Emission Standard for Hazardous Air Pollutants (NESHAP) for the Surface Coating of Miscellaneous Metal Parts and Products (40 CFR 63 Subpart Mmmm; 567 IAC 23.1(4)"cm") and the NESHAP for the Surface Coating of Plastic Parts and Products (40 CFR 63 Subpart Pppp; 567 IAC 23.1(4)"cp").

Authority for Requirement: 40 CFR 63 Subparts Mmmm & Pppp
567 IAC 23.1(4) "cm" & "cp"
DNR Construction Permit: 13-A-288-S3

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 47
Stack Opening, (inches, dia.): 16
Exhaust Flow Rate (scfm): 3,000
Exhaust Temperature (°F): 70
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 13-A-288-S3

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

| | | |
|---|---|--|
| Agency Approved Operation & Maintenance Plan Required? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| Facility Maintained Operation & Maintenance Plan Required? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |
| Compliance Assurance Monitoring (CAM) Plan Required? | Yes <input type="checkbox"/> | No <input checked="" type="checkbox"/> |

Paint Booth Agency Operation & Maintenance Plan

Weekly

- Inspect the paint 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 and/or water wall.
- Maintain a written record of the observation and any action resulting from the inspection.

Recordkeeping and Reporting

- 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 manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-66

Associated Equipment

Associated Emission Unit ID Numbers: EU-66
Emissions Control Equipment ID Number: CE-66
Emissions Control Equipment Description: Scrubber/ Water Wash
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: EU-66
Emission Unit Description: Clear Coat #1 Booth
Raw Material/Fuel: Paint
Rated Capacity: 2 guns @ 7.9 gallons per hour 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 13-A-289-S3

⁽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: 567 IAC 23.4(13)

DNR Construction Permit 13-A-289-S3

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 233.0 tons/yr⁽²⁾

Authority for Requirement: DNR Construction Permit 13-A-289-S3

⁽²⁾ Total VOC emissions from all non-combustion sources at this facility shall not exceed 233.0 tons per rolling 12-month period. All VOC-containing non-fuel materials used at the facility shall be included in the emissions calculations.

Pollutant: Organic HAP

Emission Limit(s): See footnote (3) and (4)

Authority for Requirement: 40 CFR 63 Subparts M MMM & P PPP
567 IAC 23.1(4) "cm" & "cp"

DNR Construction Permit: 13-A-289-S3

⁽³⁾ Per 40 CFR §63.3890(b)(1), each existing general use coating affected source is limited to organic hazardous air pollutant (HAP) emissions of no more than 0.31 kg (2.6 lb) organic HAP emitted per liter (gal) coating solids used during each 12-month compliance period .

⁽⁴⁾ Per 40 CFR §63.4490(b)(1), each existing general use coating affected source is limited to organic HAP emissions of no more than 0.16 kg (0.16 lb) organic HAP emitted per kg (lb) coating solids used during each 12-month compliance period.

Operating Requirements with Associated Monitoring and Recordkeeping:

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 permittee (owner or operator) shall maintain the following daily records:
 - i. The identification of each VOC-containing, non-fuel material used at the facility.
 - ii. The amount, in gallons, of each VOC-containing non-fuel 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.
- B. The permittee shall maintain the following monthly records:
 - i. The identification and the VOC content of each VOC-containing, non-fuel material used at the facility.
 - ii. The amount, in gallons, of each VOC-containing non-fuel 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.
 - iii. The amount of VOC emissions from all non-combustion sources at the facility, in tons.
 - iv. The 12-month rolling total amount of VOC emissions from all non-combustion sources, in tons.
- C. If the 12-month rolling total amount of VOC emissions from all non-combustion sources at this facility exceeds 186.4 tons per rolling 12-month period, the permittee shall maintain the following daily records:
 - i. The total VOC emissions of (tons) from all sources at this facility; and
 - ii. The 365-day rolling total amount of VOC emissions from all sources at this facility. Daily calculations for VOC emissions from all non-combustion sources shall continue until the 365-day rolling total amount of VOC emissions drops below 186.4 tons for the remainder of the calendar month plus one additional calendar month. Monthly calculation of VOC emissions will then begin in the following month.
- D. The permittee may take credit for any waste VOC shipped off-site. The permittee shall record the amount of the waste shipped off-site each day, and analyze the VOC content of the waste once every calendar 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 used 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 rolling totals as of the date the waste is shipped off-site.

- E. The permittee shall maintain minimum pressure drop across the control device (CE 66) greater than 6.5 inches of water column.
 - i. The permittee shall properly operate and maintain equipment to continuously monitor the differential pressure drop for the control device (CE 66).
 - a) The permittee shall collect and record the differential pressure drop, at a minimum of once per day.
 - b) If the pressure drop deviates below the minimum pressure drop required, then record the time, date and actions taken to correct the situation and when the pressure drop is back above the minimum pressure drop required.
 - ii. This requirement shall not apply on those days that the equipment the water wall (CE 66) controls is not in operation.
- F. This emission unit is subject to all applicable requirements set forth in NESHAP Subpart MMMM (40 CFR §63.3880 – 40 CFR §63.3981).
 - i. All spray materials shall meet the emission requirements per §63.3890 for the coating of miscellaneous metal parts, which includes, but is not limited to, limiting organic HAP emissions from finishing operations, contact adhesives and strippable spray booth coatings.
 - ii. The permittee shall comply with the work practice standards outlined in §63.3893 for the coating of miscellaneous metal parts and products.
 - iii. The owner or operator shall comply with the compliance procedures and monitoring requirements of §63.3900 for the coating of miscellaneous metal parts and products.
 - iv. The owner or operator shall perform the record keeping requirements of §63.3930 and reporting requirements of §63.3920 for the coating of miscellaneous metal parts and products.
- G. This emission unit is subject to all applicable requirements set forth in NESHAP Subpart PPPP (40 CFR §63.4480 – 40 CFR §63.4581).
 - i. All spray materials shall meet the emission requirements per §63.4490 for the coating of plastic parts, which includes, but is not limited to, limiting organic HAP emissions from finishing operations, contact adhesives and strippable spray booth coatings.
 - ii. The permittee shall comply with the work practice standards outlined in §63.4493 for the coating of plastic parts and products.
 - iii. The owner or operator shall comply with the compliance procedures and monitoring requirements of §63.4500 for the coating of plastic parts and products.
 - iv. The owner or operator shall perform the record keeping requirements of §63.4530 and reporting requirements of §63.4520 for the coating of plastic parts and products.
- H. Retain Safety Data Sheets (SDS) for all VOC and HAP containing materials used at the facility.
- I. The permittee shall inspect and maintain the control equipment (water wall), CE 66, according to the facility's operation and maintenance plan or manufacturer's specifications with inspections occurring at a minimum of once per calendar year.

Authority for Requirement: 40 CFR 63 Subparts MMMM & PPPP
567 IAC 23.1(4) "cm" & "cp"
DNR Construction Permit: 13-A-289-S3

NESHAP Applicability

This unit is subject to the National Emission Standard for Hazardous Air Pollutants (NESHAP) for the Surface Coating of Miscellaneous Metal Parts and Products (40 CFR 63 Subpart MMMM; 567 IAC 23.1(4)"cm") and the NESHAP for the Surface Coating of Plastic Parts and Products (40 CFR 63 Subpart PPPP; 567 IAC 23.1(4)"cp").

Authority for Requirement: 40 CFR 63 Subparts MMMM & PPPP
567 IAC 23.1(4) "cm" & "cp"
DNR Construction Permit: 13-A-289-S3

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 47
Stack Opening, (inches, dia.): 16
Exhaust Flow Rate (scfm): 3,000
Exhaust Temperature (°F): 70
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 13-A-289-S3

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

| | |
|---|---|
| Agency Approved Operation & Maintenance Plan Required? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| Facility Maintained Operation & Maintenance Plan Required? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| Compliance Assurance Monitoring (CAM) Plan Required? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |

Paint Booth Agency Operation & Maintenance Plan

Weekly

- Inspect the paint 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 and/or water wall.
- Maintain a written record of the observation and any action resulting from the inspection.

Recordkeeping and Reporting

- 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 manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-67

Associated Equipment

Associated Emission Unit ID Numbers: EU-67
Emissions Control Equipment ID Number: CE-67
Emissions Control Equipment Description: Scrubber/ Water Wash
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: EU-67
Emission Unit Description: Clear Coat #2 Booth
Raw Material/Fuel: Paint
Rated Capacity: 2 guns @ 7.9 gallons per hour 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 13-A-290-S3

⁽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: 567 IAC 23.4(13)

DNR Construction Permit 13-A-290-S3

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 233.0 tons/yr⁽²⁾

Authority for Requirement: DNR Construction Permit 13-A-290-S3

⁽²⁾ Total VOC emissions from all non-combustion sources at this facility shall not exceed 233.0 tons per rolling 12-month period. All VOC-containing non-fuel materials used at the facility shall be included in the emissions calculations.

Pollutant: Organic HAP

Emission Limit(s): See footnote (2) and (3)

Authority for Requirement: DNR Construction Permit 13-A-290-S3

⁽²⁾ Per 40 CFR §63.3890(b)(1), each existing general use coating affected source is limited to organic hazardous air pollutant (HAP) emissions of no more than 0.31 kg (2.6 lb) organic HAP emitted per liter (gal) coating solids used during each 12-month compliance period.

⁽³⁾ Per 40 CFR §63.4490(b)(1), each existing general use coating affected source is limited to organic HAP emissions of no more than 0.16 kg (0.16 lb) organic HAP emitted per kg (lb) coating solids used during each 12-month compliance period.

Operating Requirements with Associated Monitoring and Recordkeeping:

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 permittee (owner or operator) shall maintain the following daily records:
 - i. The identification of each VOC-containing, non-fuel material used at the facility.
 - ii. The amount, in gallons, of each VOC-containing non-fuel 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.
- B. The permittee shall maintain the following monthly records:
 - i. The identification and the VOC content of each VOC-containing, non-fuel material used at the facility.
 - ii. The amount, in gallons, of each VOC-containing non-fuel 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.
 - iii. The amount of VOC emissions from all non-combustion sources at the facility, in tons.
 - iv. The 12-month rolling total amount of VOC emissions from all non-combustion sources, in tons.
- C. If the 12-month rolling total amount of VOC emissions from all non-combustion sources at this facility exceeds 186.4 tons per rolling 12-month period, the permittee shall maintain the following daily records:
 - i. The total VOC emissions of (tons) from all sources at this facility; and
 - ii. The 365-day rolling total amount of VOC emissions from all sources at this facility. Daily calculations for VOC emissions from all non-combustion sources shall continue until the 365-day rolling total amount of VOC emissions drops below 186.4 tons for the remainder of the calendar month plus one additional calendar month. Monthly calculation of VOC emissions will then begin in the following month.
- D. The permittee may take credit for any waste VOC shipped off-site. The permittee shall record the amount of the waste shipped off-site each day, and analyze the VOC content of the waste once every calendar 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 used 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 rolling totals as of the date the waste is shipped off-site.
- E. The permittee shall maintain minimum pressure drop across the control device (CE 67) greater than 6.5 inches of water column.
 - i. The permittee shall properly operate and maintain equipment to continuously monitor the differential pressure drop for the control device (CE 67).
 - a) The permittee shall collect and record the differential pressure drop, at a minimum of once per day.
 - b) If the pressure drop deviates below the minimum pressure drop required, then record the time, date and actions taken to correct the situation and when the pressure drop is back above the minimum pressure drop required.

- ii. This requirement shall not apply on those days that the equipment the water wall (CE 67) controls is not in operation.
- F. This emission unit is subject to all applicable requirements set forth in NESHAP Subpart MMMM (40 CFR §63.3880 – 40 CFR §63.3981).
 - i. All spray materials shall meet the emission requirements per §63.3890 for the coating of miscellaneous metal parts, which includes, but is not limited to, limiting organic HAP emissions from finishing operations, contact adhesives and strippable spray booth coatings.
 - ii. The permittee shall comply with the work practice standards outlined in §63.3893 for the coating of miscellaneous metal parts and products.
 - iii. The owner or operator shall comply with the compliance procedures and monitoring requirements of §63.3900 for the coating of miscellaneous metal parts and products.
 - iv. The owner or operator shall perform the record keeping requirements of §63.3930 and reporting requirements of §63.3920 for the coating of miscellaneous metal parts and products.
- G. This emission unit is subject to all applicable requirements set forth in NESHAP Subpart PPPP (40 CFR §63.4480 – 40 CFR §63.4581).
 - i. All spray materials shall meet the emission requirements per §63.4490 for the coating of plastic parts, which includes, but is not limited to, limiting organic HAP emissions from finishing operations, contact adhesives and strippable spray booth coatings.
 - ii. The permittee shall comply with the work practice standards outlined in §63.4493 for the coating of plastic parts and products.
 - iii. The owner or operator shall comply with the compliance procedures and monitoring requirements of §63.4500 for the coating of plastic parts and products.
 - iv. The owner or operator shall perform the record keeping requirements of §63.4530 and reporting requirements of §63.4520 for the coating of plastic parts and products.
- H. Retain Safety Data Sheets (SDS) for all VOC and HAP containing materials used at the facility.
- I. The permittee shall inspect and maintain the control equipment (water wall), CE 67, according to the facility’s operation and maintenance plan or manufacturer’s specifications with inspections occurring at a minimum of once per calendar year.

Authority for Requirement: DNR Construction Permit 13-A-290-S3

NESHAP Applicability

This unit is subject to the National Emission Standard for Hazardous Air Pollutants (NESHAP) for the Surface Coating of Miscellaneous Metal Parts and Products (40 CFR 63 Subpart MMMM; 567 IAC 23.1(4)“cm”) and the NESHAP for the Surface Coating of Plastic Parts and Products (40 CFR 63 Subpart PPPP; 567 IAC 23.1(4)“cp”).

Authority for Requirement: 40 CFR 63 Subparts MMMM & PPPP

567 IAC 23.1(4) "cm" & "cp"

DNR Construction Permits: 13-A-290-S3

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

- Stack Height, (ft, from the ground): 47
- Stack Opening, (inches, dia.): 16
- Exhaust Flow Rate (scfm): 3,000
- Exhaust Temperature (°F): 70
- Discharge Style: Vertical Unobstructed
- Authority for Requirement: DNR Construction Permit 13-A-290-S3

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

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

Paint Booth Agency Operation & Maintenance Plan

Weekly

- Inspect the paint 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 and/or water wall.
- Maintain a written record of the observation and any action resulting from the inspection.

Recordkeeping and Reporting

- 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 manufacturer’s recommendations.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-68

Associated Equipment

Associated Emission Unit ID Numbers: EU-68
Emissions Control Equipment ID Number: CE-68
Emissions Control Equipment Description: Scrubber/ Water Wash
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: EU-68
Emission Unit Description: Graphic Booth
Raw Material/Fuel: Paint
Rated Capacity: 2 guns @ 7.9 gallons per hour 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 13-A-291-S3

⁽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: 567 IAC 23.4(13)
DNR Construction Permit 13-A-291-S3

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 233.0 tons/yr⁽²⁾

Authority for Requirement: DNR Construction Permit 13-A-291-S3

⁽²⁾ Total VOC emissions from all non-combustion sources at this facility shall not exceed 233.0 tons per rolling 12-month period. All VOC-containing non-fuel materials used at the facility shall be included in the emissions calculations.

Pollutant: Organic HAP

Emission Limit(s): See footnote (3) and (4)

Authority for Requirement: 40 CFR 63 Subparts Mmmm & Pppp
567 IAC 23.1(4) "cm" & "cp"

DNR Construction Permit: 13-A-291-S3

⁽³⁾ Per 40 CFR §63.3890(b)(1), each existing general use coating affected source is limited to organic hazardous air pollutant (HAP) emissions of no more than 0.31 kg (2.6 lb) organic HAP emitted per liter (gal) coating solids used during each 12-month compliance period.

⁽⁴⁾ Per 40 CFR §63.4490(b)(1), each existing general use coating affected source is limited to organic HAP emissions of no more than 0.16 kg (0.16 lb) organic HAP emitted per kg (lb) coating solids used during each 12-month compliance period.

Operating Requirements with Associated Monitoring and Recordkeeping:

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 permittee (owner or operator) shall maintain the following daily records:
 - i. The identification of each VOC-containing, non-fuel material used at the facility.
 - ii. The amount, in gallons, of each VOC-containing non-fuel 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.
- B. The permittee shall maintain the following monthly records:
 - i. The identification and the VOC content of each VOC-containing, non-fuel material used at the facility.
 - ii. The amount, in gallons, of each VOC-containing non-fuel 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.
 - iii. The amount of VOC emissions from all non-combustion sources at the facility, in tons.
 - iv. The 12-month rolling total amount of VOC emissions from all non-combustion sources, in tons.
- C. If the 12-month rolling total amount of VOC emissions from all non-combustion sources at this facility exceeds 186.4 tons per rolling 12-month period, the permittee shall maintain the following daily records:
 - i. The total VOC emissions of (tons) from all sources at this facility; and
 - ii. The 365-day rolling total amount of VOC emissions from all sources at this facility. Daily calculations for VOC emissions from all non-combustion sources shall continue until the 365-day rolling total amount of VOC emissions drops below 186.4 tons for the remainder of the calendar month plus one additional calendar month. Monthly calculation of VOC emissions will then begin in the following month.
- D. The permittee may take credit for any waste VOC shipped off-site. The permittee shall record the amount of the waste shipped off-site each day, and analyze the VOC content of the waste once every calendar 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 used 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 rolling totals as of the date the waste is shipped off-site.

- E. The permittee shall maintain minimum pressure drop across the control device (CE 68) greater than 6.5 inches of water column.
 - i. The permittee shall properly operate and maintain equipment to continuously monitor the differential pressure drop for the control device (CE 68).
 - a) The permittee shall collect and record the differential pressure drop, at a minimum of once per day.
 - b) If the pressure drop deviates below the minimum pressure drop required, then record the time, date and actions taken to correct the situation and when the pressure drop is back above the minimum pressure drop required.
 - ii. This requirement shall not apply on those days that the equipment the water wall (CE 68) controls is not in operation.
- F. This emission unit is subject to all applicable requirements set forth in NESHAP Subpart MMMM (40 CFR §63.3880 – 40 CFR §63.3981).
 - i. All spray materials shall meet the emission requirements per §63.3890 for the coating of miscellaneous metal parts, which includes, but is not limited to, limiting organic HAP emissions from finishing operations, contact adhesives and strippable spray booth coatings.
 - ii. The permittee shall comply with the work practice standards outlined in §63.3893 for the coating of miscellaneous metal parts and products.
 - iii. The owner or operator shall comply with the compliance procedures and monitoring requirements of §63.3900 for the coating of miscellaneous metal parts and products.
 - iv. The owner or operator shall perform the record keeping requirements of §63.3930 and reporting requirements of §63.3920 for the coating of miscellaneous metal parts and products.
- G. This emission unit is subject to all applicable requirements set forth in NESHAP Subpart PPPP (40 CFR §63.4480 – 40 CFR §63.4581).
 - i. All spray materials shall meet the emission requirements per §63.4490 for the coating of plastic parts, which includes, but is not limited to, limiting organic HAP emissions from finishing operations, contact adhesives and strippable spray booth coatings.
 - ii. The permittee shall comply with the work practice standards outlined in §63.4493 for the coating of plastic parts and products.
 - iii. The owner or operator shall comply with the compliance procedures and monitoring requirements of §63.4500 for the coating of plastic parts and products.
 - iv. The owner or operator shall perform the record keeping requirements of §63.4530 and reporting requirements of §63.4520 for the coating of plastic parts and products.
- H. Retain Safety Data Sheets (SDS) for all VOC and HAP containing materials used at the facility.
- I. The permittee shall inspect and maintain the control equipment (water wall), CE 68, according to the facility's operation and maintenance plan or manufacturer's specifications with inspections occurring at a minimum of once per calendar year.

Authority for Requirement: 40 CFR 63 Subparts MMMM & PPPP
567 IAC 23.1(4) "cm" & "cp"
DNR Construction Permit: 13-A-291-S3

NESHAP Applicability

This unit is subject to the National Emission Standard for Hazardous Air Pollutants (NESHAP) for the Surface Coating of Miscellaneous Metal Parts and Products (40 CFR 63 Subpart MMMM; 567 IAC 23.1(4) "cm") and the NESHAP for the Surface Coating of Plastic Parts and Products (40 CFR 63 Subpart PPPP; 567 IAC 23.1(4) "cp").

Authority for Requirement: 40 CFR 63 Subparts MMMM & PPPP
567 IAC 23.1(4) "cm" & "cp"
DNR Construction Permit: 13-A-291-S3

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 47
Stack Opening, (inches, dia.): 16
Exhaust Flow Rate (scfm): 3,000
Exhaust Temperature (°F): 70
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 13-A-291-S3

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

Paint Booth Agency Operation & Maintenance Plan

Weekly

- Inspect the paint 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 and/or water wall.
- Maintain a written record of the observation and any action resulting from the inspection.

Recordkeeping and Reporting

- 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 manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-71

Associated Equipment

Associated Emission Unit ID Numbers: EU-71

Emission Unit vented through this Emission Point: EU-71

Emission Unit Description: Dry-off Oven

Raw Material/Fuel: Natural Gas

Rated Capacity: 2.0 MMBtu/hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

Authority for Requirement: 567 IAC 23.3(2) "d"
DNR Construction Permit 13-A-292-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): 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2) "a"
DNR Construction Permit 13-A-292-S1

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

Authority for Requirement: 567 IAC 23.3(3) "e"
DNR Construction Permit 13-A-292-S1

Operational Limits & Requirements

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

NESHAP Applicability

Drying and curing operations are part of the system that is defined as a coating operation under the National Emission Standards for Hazardous Air Pollutants. Therefore, this unit is subject to the requirements of the NESHAP for the Surface Coating of Miscellaneous Metal Parts and Products, 40 CFR 63 Subpart M MMM and the NESHAP for the Surface Coating of Plastic Parts and Products, 40 CFR 63 Subpart P PPP.

Authority for Requirement: 40 CFR 63 Subparts M MMM & P PPP
567 IAC 23.1(4) "cm" & "cp"
DNR Construction Permit 13-A-292-S1

Operating Limits

Operating limits for this emission unit shall be:

- A. This unit shall use natural gas only as fuel.

Reporting and Recordkeeping

Unless specified by a federal regulation, all records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Department. Records shall be legible and maintained in an orderly manner. These records shall show the following:

- A. The owner/operator shall maintain all records required under the NESHAP standards that apply to this unit.

Authority for Requirement: DNR Construction Permit 13-A-292-S1

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

- Stack Height, (ft, from the ground): 40
- Stack Opening, (inches, dia.): 22
- Exhaust Flow Rate (scfm): 6,100
- Exhaust Temperature (°F): 250
- Discharge Style: Vertical Unobstructed
- Authority for Requirement: DNR Construction Permit 13-A-292-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: EP-72A, EP-72B

Associated Equipment

Associated Emission Unit ID Numbers: EU-72

Emission Unit vented through this Emission Point: EU-72

Emission Unit Description: Cure Oven

Raw Material/Fuel: Natural Gas

Rated Capacity: 8.0 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: 567 IAC 23.3(2) "d"

DNR Construction Permit 13-A-293-S2, 15-A-279-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): 0.1 gr/dscf

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

DNR Construction Permit 13-A-293-S2, 15-A-279-S1

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

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

DNR Construction Permit 13-A-293-S2, 15-A-279-S1

Operational Limits & Requirements

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

National Emission Standards for Hazardous Air Pollutants (NESHAP):

The following subparts apply to this Emission Unit:

| Subpart | Title | Type | State Reference (567 IAC) | Federal Reference (40 CFR) |
|----------------|---|-------------|----------------------------------|-----------------------------------|
| A | General Provisions | NA | 23.1(4) | §63.1 – §63.15 |
| MMMM | Surface Coating of Miscellaneous Metal Parts and Products | Existing | 23.1(4)“cm” | §63.3880 – §63.3981 |
| PPPP | Surface Coating of Plastic Parts and Products | Existing | 23.1(4)“cp” | §63.4480 – §63.4581 |

NOTE: The absence of the inclusion of any NESHAP requirements as part of this permit does not relieve the owner or operator from any obligation to comply with all applicable NESHAP conditions.

Authority for Requirement: 40 CFR 63 Subparts A, MMMM & PPPP
567 IAC 23.1(4) "cm" & "cp"
DNR Construction Permits 13-A-293-S2, 15-A-279-S1

Operating Limits

Operating limits for this emission unit shall be:

- A. This unit shall use natural gas only as fuel.
- B. The owner or operator shall maintain all records required as specified by 40 CFR §63.3930 and 40 CFR §63.4530.

Authority for Requirement: DNR Construction Permits 13-A-293-S2, 15-A-279-S1

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

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

Stack Opening, (inches, dia.): 18

Exhaust Flow Rate (scfm): 3,850

Exhaust Temperature (°F): 300

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permits 13-A-293-S2, 15-A-279-S1

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-73

Associated Equipment

Associated Emission Unit ID Numbers: EU-73

Emission Unit vented through this Emission Point: EU-73

Emission Unit Description: Parts Washer Heater

Raw Material/Fuel: Natural Gas

Rated Capacity: 2.0 MMBtu/hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

Authority for Requirement: 567 IAC 23.3(2) "d"
DNR Construction Permit 13-A-294-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): 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2) "a"
DNR Construction Permit 13-A-294-S1

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

Authority for Requirement: 567 IAC 23.3(3) "e"
DNR Construction Permit 13-A-294-S1

Operational Limits & Requirements

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

NESHAP Applicability

This unit is subject to the National Emission Standard for Hazardous Air Pollutants (NESHAP) for Industrial-Commercial-Institutional Boilers and Process Heaters located at Major Sources of HAPs (40 CFR 63 Subpart DDDDD).

Authority for Requirement: 40 CFR 63 Subpart DDDDD

Operating Limits

Operating limits for this emission unit shall be:

- A. This unit shall use natural gas only as fuel.

Reporting and Recordkeeping

Unless specified by a federal regulation, all records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Department. Records shall be legible and maintained in an orderly manner. These records shall show the following:

- A. The owner/operator shall maintain all records required under the NESHAP standards that apply to this unit.

Authority for Requirement: DNR Construction Permit 13-A-294-S1

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 40

Stack Opening, (inches, dia.): 10

Exhaust Flow Rate (scfm): 1,150

Exhaust Temperature (°F): 1,000

Discharge Style: Vertical Obstructed

Authority for Requirement: DNR Construction Permit 13-A-294-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: EP-74

Associated Equipment

Associated Emission Unit ID Numbers: EU-74

Emission Unit vented through this Emission Point: EU-74

Emission Unit Description: Spray Booth Boiler

Raw Material/Fuel: Natural Gas

Rated Capacity: 2.0 MMBtu/hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

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

DNR Construction Permit 13-A-295-S2

⁽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): 0.6 lb/MMBtu

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

DNR Construction Permit 13-A-295-S2

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

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

DNR Construction Permit 13-A-295-S2

Operational Limits & Requirements

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

NESHAP Applicability

This emission unit is subject to the *National Emission Standard for Hazardous Air Pollutants for Major Sources: Industrial-Commercial-Institutional Boilers and Process Heaters* (40 CFR 63 Subpart DDDDD

Authority for Requirement: 40 CFR 63 Subpart DDDDD

Operating Limits

Operating limits for this emission unit shall be:

- A. This unit shall use natural gas only as fuel.
- B. This unit (EU 74) shall only operate when the Backup Spray Booth Boiler (EU 74B) is not in operation.

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 40
 Stack Opening, (inches, dia.): 8
 Exhaust Flow Rate (scfm): 1,000
 Exhaust Temperature (°F): 400
 Discharge Style: Vertical Unobstructed
 Authority for Requirement: DNR Construction Permit 13-A-295-S2

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

Monitoring Requirements

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-74B

Associated Equipment

Associated Emission Unit ID Numbers: EU-74B

Emission Unit vented through this Emission Point: EU-74B
Emission Unit Description: Backup Spray Booth Boiler
Raw Material/Fuel: Natural Gas
Rated Capacity: 2.0 MMBtu/hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% (1)

Authority for Requirement: 567 IAC 23.3(2) "d"
DNR Construction Permit 16-A-275

⁽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): 0.6 lb/MMBtu

Authority for Requirement: 567 IAC 23.3(2) "b"
DNR Construction Permit 16-A-275

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

Authority for Requirement: 567 IAC 23.3(3) "e"
DNR Construction Permit 16-A-275

Operational Limits & Requirements

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

NESHAP Applicability

This emission unit is subject to the *National Emission Standard for Hazardous Air Pollutants for Major Sources: Industrial-Commercial-Institutional Boilers and Process Heaters* (40 CFR 63 Subpart DDDDD

Authority for Requirement: 40 CFR 63 Subpart DDDDD

Operating Limits

Operating limits for this emission unit shall be:

- A. This unit shall use natural gas only as fuel.
- B. This unit (EU 74B) shall only operate when Spray Booth Boiler (EU 74) is not in operation.

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 40
 Stack Opening, (inches, dia.): 8
 Exhaust Flow Rate (scfm): 1,000
 Exhaust Temperature (°F): 400
 Discharge Style: Vertical Unobstructed
 Authority for Requirement: DNR Construction Permit 16-A-275

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: EP-75

Associated Equipment

Associated Emission Unit ID Numbers: EU-75
Emissions Control Equipment ID Number: NA
Emissions Control Equipment Description: None
Continuous Emissions Monitors ID Numbers: None

Emission Unit vented through this Emission Point: EU-75
Emission Unit Description: Flash Enclosure Heater
Raw Material/Fuel: Natural Gas
Rated Capacity: 3.0 MMBtu/hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

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

DNR Construction Permit 13-A-296-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): 0.1 gr/scf

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

DNR Construction Permit 13-A-296-S1

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

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

DNR Construction Permit 13-A-296-S1

Operational Limits & Requirements

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

NESHAP Applicability

Drying and curing operations are part of the system that is defined as a coating operation under the National Emission Standards for Hazardous Air Pollutants. Therefore, this unit is subject to the requirements of the NESHAP for the Surface Coating of Miscellaneous Metal Parts and Products (40 CFR 63 Subpart Mmmm; 567 IAC 23.1(4) "cm") and the NESHAP for the Surface Coating of Plastic Parts and Products (40 CFR 63 Subpart Pppp; 567 IAC 23.1(4) "cp").

Authority for Requirement: 40 CFR 63 Subparts Mmmm & Pppp
567 IAC 23.1(4) "cm" & "cp"
DNR Construction Permit 13-A-296-S1

Operating Limits

Operating limits for this emission unit shall be:

- A. This unit shall use natural gas only as fuel.

Reporting and Recordkeeping

Unless specified by a federal regulation, all records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Department. Records shall be legible and maintained in an orderly manner. These records shall show the following:

- A. The owner/operator shall maintain all records required under the NESHAP standards that apply to this unit.

Authority for Requirement: DNR Construction Permit 13-A-296-S1

Monitoring Requirements

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-76

Associated Equipment

Emissions Control Equipment ID Number: CE-69

Emissions Control Equipment Description: Cartridge Filter

Emission Unit vented through this Emission Point: EU-76

Emission Unit Description: Automated Abrasive Blasting Unit

Raw Material/Fuel: Steel Abrasive Blasting Beads

Rated Capacity: 23,400 lb 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: 567 IAC 23.3(2)"d"

DNR Construction Permit 19-A-621

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

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.05 gr/dscf

Authority for Requirement: 567 IAC 23.4(6)

DNR Construction Permit 19-A-621

Pollutant: PM₁₀

Emission Limit(s): 2.57 lb/hr

Authority for Requirement: DNR Construction Permit 19-A-621

Pollutant: PM_{2.5}

Emission Limit(s): 0.46 lb/hr

Authority for Requirement: DNR Construction Permit 19-A-621

Operational Limits & Reporting/Record keeping Requirements

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

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

- A. The owner or operator shall maintain the Cartridge Filter (CE 69) according to the facility’s maintenance schedule. The owner or operator shall maintain a log of all maintenance and inspection activities performed on the Cartridge Filter (CE 69). This log shall include, but is not necessarily limited to:
 - i. The date and time any inspection and/or maintenance was performed on the Cartridge Filter (CE 69);
 - ii. Any issues identified during the inspection and the date each issue was resolved;
 - iii. Any issues addressed during the maintenance activities and the date each issue was resolved; and
 - iv. Identification of the staff member performing the maintenance or inspection.

Authority for Requirement: DNR Construction Permit 19-A-621

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 18

Stack Opening, (inches): 12 x 18

Exhaust Flow Rate (scfm): 6,000

Exhaust Temperature (°F): 70

Discharge Style: Horizontal

Authority for Requirement: DNR Construction Permit 19-A-621

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-77

Associated Equipment

Associated Emission Unit ID Number: EU-77

Emission Unit vented through this Emission Point: EU-77
Emission Unit Description: Emergency Backup Generator (certified, spark ignition, 4-stroke, lean burn, date of construction: 2014)
Raw Material/Fuel: Natural Gas
Rated Capacity: 134 BHP

Applicable Requirements

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

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

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

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

Pollutant: Sulfur Dioxide (SO₂)
Emission Limits: 500 ppmv
Authority for Requirement: 567 IAC 23.3(3)"e"

Operational Limits & Requirements

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

NESHAP:

The emergency engine is subject to 40 CFR Part 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)(ii) this spark ignition emergency engine, located at a major source, is a new stationary RICE as it was constructed on or after June 12, 2006.

According to 40 CFR 63.6590(c)(6), this emergency engine must meet the requirements of subpart ZZZZ by meeting the requirements of 40 CFR 60 Subpart JJJJ for spark ignition engines. No further requirements apply for this engine under subpart ZZZZ.

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

NSPS Subpart JJJJ Requirements

Emission Standards:

(40 CFR 60.4233(e) and Table 1 to Subpart JJJJ)

| Maximum Engine Power | Manufacture Date | Emission Standards ⁽¹⁾ | | | | | | |
|----------------------|------------------|-----------------------------------|----------------------|-----|--------------------|-----------------------------|-----|-----|
| | | g/HP-hr | | | | ppmvd at 15% O ₂ | | |
| | | NO _x | HC + NO _x | CO | VOC ⁽²⁾ | NO _x | CO | VOC |
| HP ≥ 130 | 1/1/2009+ | 2.0 | N/A | 4.0 | 1.0 | 160 | 540 | 86 |

⁽¹⁾ Owners and operators of stationary non-certified SI engines may choose to comply with the emission standards in units of either g/HP-hr or ppmvd at 15 percent O₂.

⁽²⁾ Formaldehyde emissions are not included.

Compliance Demonstrations:

- You must demonstrate compliance with the emission standards according to one of following methods (40 CFR 60.4243(b)):
 - Purchasing a certified engine that complies with the emission standards, or
- Owners and operators of SI engines that are required to be certified and who operate and maintain the engine according to the manufacturer's written instructions must keep records of required maintenance. 40 CFR 60.4243(b)(1), 4243(a) and 4245(a)(2).
- Owners and operators of natural gas fired engines may operate their engines using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations, but must keep records of such use. If propane is used for more than 100 hours per year in an engine that is not certified to the emission standards when using propane, a performance test must be conducted to demonstrate compliance with the emission standards. 40 CFR 60.4243(e).
- Owners and operators of certified engines must keep a record from the manufacturer that the engines are certified to meet applicable emission standards. 40 CFR 60.4245(a)(3).

Operating and Recordkeeping Requirements (40 CFR 4243(d))

- Owners and operators of the following emergency SI engines that do not meet the applicable standards for non-emergency engines must install a non-resettable hour meter. 40 CFR 60.4237.

| Maximum Engine Power | Engine Was Built On Or After |
|----------------------|------------------------------|
| 130 ≤ HP < 500 | 1/1/2011 |

- The engine may be operated for the purpose of maintenance checks and readiness testing a maximum of 100 hours/year. There is no time limit on use for emergency situations.
- The engine may be operated for up to 50 hours per year for non-emergency purposes. This operating time cannot be used to generate income for the facility (e.g. supplying power to the grid) and should be included in the total of 100 hours allowed for maintenance checks and readiness testing.
- Owners and operators of an emergency engine must keep records of all operation of the engine. The owner must record the date and time of operation of the engine and the reason the engine was in operation.

5. Owners and operators of the following emergency SI that does not meet the applicable standards for a non-emergency engine must keep the following records. 40 CFR 60.4245(b).

| Maximum Engine Power | Manufactured On Or After | Recordkeeping Requirement |
|----------------------|--------------------------|---|
| 130 ≤ HP < 500 | 7/1/2011 | Hours of operation recorded through a non-resettable hour meter. The owner or operator must 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. |

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: EP-78 & EP-79

Associated Equipment

Associated Emission Unit ID Number: EU-78 & EU-79

Emission Unit vented through this Emission Point: EU-78 & EU-79

Emission Unit Description: Humidifiers

Raw Material/Fuel: Natural Gas

Rated Capacity: 1.2 MMBtu/hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limits: 40 %

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

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.6 lb/MMBtu

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

Pollutant: Sulfur Dioxide (SO₂)

Emission Limits: 500 ppmv

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

Operational Limits & Requirements

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

NESHAP Applicability

This emission unit is subject to the *National Emission Standard for Hazardous Air Pollutants for Major Sources: Industrial-Commercial-Institutional Boilers and Process Heaters* (40 CFR 63 Subpart DDDDD)

Authority for Requirement: 40 CFR 63 Subpart DDDDD

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-80

Associated Equipment

Emissions Control Equipment Description: None

Emission Unit vented through this Emission Point: EU-80

Emission Unit Description: Parts Washer Heater

Raw Material/Fuel: Natural Gas

Rated Capacity: 3.50 MMBtu/ hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40%⁽¹⁾

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

DNR Construction Permit 19-A-622-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

Emission Limit(s): 0.03 lb/hr, 0.1 gr/dscf

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

DNR Construction Permit 19-A-622-S1

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppm_v

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

DNR Construction Permit 19-A-622-S1

Operational Limits & Requirements

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

A. The owner or operator shall only combust natural gas in the Parts Washer Heater (EU 80).

Authority for Requirement: DNR Construction Permit 19-A-622-S1

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 25
Stack Opening, (inches): 18
Exhaust Flow Rate (scfm): 2,000
Exhaust Temperature (°F): 1,000
Discharge Style: Vertical, unobstructed
Authority for Requirement: 19-A-622-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.

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

IV. General Conditions

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

G1. Duty to Comply

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

G2. Permit Expiration

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

G3. Certification Requirement for Title V Related Documents

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

G4. Annual Compliance Certification

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

G5. Semi-Annual Monitoring Report

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

G6. Annual Fee

1. The permittee is required under subrule 567 IAC 22.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
3. The emissions inventory shall be submitted annually by March 31 with forms specified by the department documenting actual emissions for the previous calendar year.
4. The fee shall be submitted annually by July 1 with forms specified by the department.
5. If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.
6. Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.
7. The fee for a portable emissions unit or stationary source which operates both in Iowa and out of state shall be calculated only for emissions from the source while operating in Iowa.
8. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 22.115(1)"d".

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

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

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

G8. Duty to Provide Information

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

G9. General Maintenance and Repair Duties

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

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

G10. Recordkeeping Requirements for Compliance Monitoring

1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records, where applicable:

- a. The date, place and time of sampling or measurements
- b. The date the analyses were performed.
- c. The company or entity that performed the analyses.
- d. The analytical techniques or methods used.
- e. The results of such analyses; and
- f. The operating conditions as existing at the time of sampling or measurement.
- g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts.)

2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.

3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:
 - a. Comply with all terms and conditions of this permit specific to each alternative scenario.
 - b. Maintain a log at the permitted facility of the scenario under which it is operating.
 - c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 22.108(4), 567 IAC 22.108(12)*

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

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

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

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

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

G13. Hazardous Release

The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity, strength and toxicity of the substance, creates an immediate or potential danger to the public health, safety or to the environment. A verbal report shall be made to the department at (515) 725-8694 and to the local police department or the office of the sheriff of the affected county as soon as possible but not later than six hours after the discovery or onset of the condition. This verbal report must be followed up with a written report as indicated in 567 IAC 131.2(2). *567 IAC Chapter 131-State Only*

G14. Excess Emissions and Excess Emissions Reporting Requirements

1. Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does not require the shutdown of the process equipment shall be limited to one six-minute period per one-hour period. An incident of excess emission (other than an incident during startup, shutdown or cleaning of control equipment) is a

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

2. Excess Emissions Reporting

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

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

b. Written Reporting of Excess Emissions. A written report of an incident of excess emission shall be submitted as a follow-up to all required initial reports to the department within seven days of the onset of the upset condition, and shall include as a minimum the following:

- i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.
- ii. The estimated quantity of the excess emission.
- iii. The time and duration of the excess emission.
- iv. The cause of the excess emission.

v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.

vi. The steps that were taken to limit the excess emission.

vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. *567 IAC 24.1(1)-567 IAC 24.1(4)*

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

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

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

G15. Permit Deviation Reporting Requirements

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

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

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

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

1. Off Permit Changes to a Source. Pursuant to section 502(b)(10) of the CAAA, the permittee may make changes to this installation/facility without revising this permit if:
 - a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 22.
 - b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);
 - c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);
 - d. The changes are not subject to any requirement under Title IV of the Act (revisions affecting Title IV permitting are addressed in rules 567—22.140(455B) through 567 - 22.144(455B));
 - e. The changes comply with all applicable requirements.
 - f. For each such change, the permitted source provides to the department and the administrator by certified mail, at least 30 days in advance of the proposed change, a written notification, including the following, which must be attached to the permit by the source, the department and the administrator:
 - i. A brief description of the change within the permitted facility,
 - ii. The date on which the change will occur,
 - iii. Any change in emission as a result of that change,
 - iv. The pollutants emitted subject to the emissions trade
 - v. If the emissions trading provisions of the state implementation plan are invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.
 - vi. A description of the trading of emissions increases and decreases for the purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and
 - vii. Any permit term or condition no longer applicable as a result of the change.
2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. *567 IAC 22.110(2)*
3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 22.110(1). *567 IAC 22.110(3)*
4. The permit shield provided in subrule 22.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. *567 IAC 22.110(4)*

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

G18. Duty to Modify a Title V Permit

1. Administrative Amendment.

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

2. Minor Title V Permit Modification.

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

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

3. Significant Title V Permit Modification.

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

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

G19. Duty to Obtain Construction Permits

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

G20. Asbestos

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

G21. Open Burning

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

G22. Acid Rain (Title IV) Emissions Allowances

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

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

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

has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant,

5. The permittee shall be allowed to switch from any ozone-depleting or greenhouse gas generating substances to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *40 CFR part 82*

G24. Permit Reopenings

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

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

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

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

c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 22.108(17)"a"*, *567 IAC 22.108(17)"b"*

3. A permit shall be reopened and revised under any of the following circumstances:

a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to July 21, 1992, provided that the reopening may be stayed pending judicial review of that determination;

b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;

c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.

d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.

e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. *567 IAC 22.114(1)*

4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. *567 IAC 22.114(2)*

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

G25. Permit Shield

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

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

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

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

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

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

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

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

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

G26. Severability

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

G27. Property Rights

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

G28. Transferability

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

G29. Disclaimer

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

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

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

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

Stack Test Review Coordinator
Iowa DNR, Air Quality Bureau
Wallace State Office Building
502 E 9th St.
Des Moines, IA 50319-0034
(515) 725-9545

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

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

G31. Prevention of Air Pollution Emergency Episodes

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

567 IAC 26.1(1)

G32. Contacts List

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

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

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

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

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

Field Office 1

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

Field Office 2

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

Field Office 3

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

Field Office 4

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

Field Office 5

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

Field Office 6

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

Polk County Public Works Dept.

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

Linn County Public Health

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

V. Appendix:

- A. 40 CFR 63 Subpart A – General Provisions
- B. 40 CFR 63 Subpart MMMM – *National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products*
<https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-MMMM>
- C. 40 CFR 63 Subpart PPPP – *National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products*
<https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-PPPP>
- D. 40 CFR 63 Subpart DDDDD – *National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters*
<https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-DDDDD>
- E. 40 CFR 63 Subpart ZZZZ – *National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines*
<https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-ZZZZ>
- F. 40 CFR 60 Subpart JJJJ – *Standards of Performance for Stationary Spark Ignition Internal Combustion Engines.*
<https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-60/subpart-JJJJ>