Iowa Department of Natural Resources
Title V Operating Permit

Name of Permitted Facility: John Deere Ottumwa Works
Facility Location: 928 East Vine Street
Ottumwa, IA 52501
Air Quality Operating Permit Number: 03-TV-028R3
Expiration Date: December 3, 2024
Permit Renewal Application Deadline: June 3, 2024

EIQ Number: 92-1316
Facility File Number: 90-01-003

Responsible Official
Name: Lesley A. Conning
Title: Factory Manager
Mailing Address: 928 East Vine Street, Ottumwa, IA 52501
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Permit Contact Person for the Facility
Name: Allison Miller
Title: Environmental Manager
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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

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Lori Hanson, Supervisor of Air Operating Permits Section Date

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Abbreviations

acfm.....actual cubic feet per minute
CFR.....Code of Federal Regulation
CE .....control equipment
CEM.....continuous emission monitor
CO_{2e}……Equivalent Carbon Dioxide
^{o}F.....degrees Fahrenheit
EIQ.....emissions inventory questionnaire
EP.....emission point
EU .....emission unit
gal/hr .....gallons per hour
gr./dscf .....grains per dry standard cubic foot
IAC.....Iowa Administrative Code
DNR .....Iowa Department of Natural Resources
MVAC.....motor vehicle air conditioner
NSPS.....new source performance standard
ppmv .....parts per million by volume
lb./hr.....pounds per hour
lb./MMBtu .....pounds per million British thermal units
SCC.....Source Classification Codes
PSD .....Prevention of Significant Deterioration
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: John Deere Ottumwa Works
Permit Number: 03-TV-028R3

Facility Description: Manufacture of Farm Machinery and Equipment (SIC 3523)

Equipment List

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
RIM MOLD/ WAX 1	RIM MOLD/ WAX 1	RIM Mold/Wax 1	02-A-151-S7
RIM OVEN	RIM OVEN	RIM OVEN	02-A-149-S1
C3PS-3-B	C3PS	RIM Adhesive Booth	87-A-029-S5
RRHA	RRHA	RIM Holding Area	02-A-148-S4
SC	SC	Storage Cabinet	02-A-272-S1
C12BO	C12BO	C12 Bake Oven	97-A-636-S3
C12PS-1B	C12PS	C12 Paint System Booth	94-A-263-S8
C12PS-2B			97-A-633-S8
C12PS-3B			97-A-634-S8
C12PS-4B			97-A-635-S8
C12TU	C12TU	Touchup Paint Booth	12-A-588-S3
C9RPS-1	C9RPS	C9 Rework Booth	12-A-403-S2
C9RPS-2	C9AMU	C9 Bake Oven	12-A-404-S2
E2	E2 Wash	E2 Wash System	02-A-016-S6
	E2 Oven	E2 Wash Oven	
E3P-1-O	E3PD	E3 Paint Dip Tank	96-A-439-S5
E3P-2-O			02-A-273-S4
E3P-3-O			02-A-274-S5
E3P-4-O			02-A-275-S5
E3P-5-O			02-A-276-S5
E3P-6-O			02-A-277-S5
E3PS-1B	E3PS	E3 Paint Spray Booth	02-A-183-S5
E3PS-2B			02-A-184-S5
E3PS-3B			02-A-549-S5
E3PS-4B			02-A-550-S5
E4 Oven	E4 Oven	E4 Paint Line Oven	02-A-042-S1
L4PS-1-B	L4PS	L4 Paint System Spray Booth	86-A-004-S9
L4PS-2-B			02-A-185-S8
L4PS-3-B			04-A-608-S6
WPR	WPR	Production Welding	Exempt
C4PS1	C4PS	C4 Paint Booth	09-A-498-S3
C4PS2			09-A-499-S3
C4PS3			09-A-500-S3
C4PS4			09-A-501-S3
TM3G	TM3G	Gasoline Tank	Exempt
C2 RP Tank	C2 RP Tank	Rust Preventative Tank in C2 Building	Exempt

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
LASERS	LASERS	Laser Cutting Facility-Wide	Exempt
EGEN	EGEN	Emergency Generator Engine	Exempt
C EGEN	C EGEN	Emergency Generator in C Building	Exempt
C9 KIT	C9 KIT	C9 Paint Kitchen	Exempt
E3 KIT	E3 KIT	E3 Paint Kitchen	Exempt
W3 KIT	W3 KIT	W3 Paint Kitchen	Exempt
W4 CHEM	W4 CHEM	W4 Chemical Storage	Exempt
C13PSCK	C13PSCK	C13 Paint Kitchen 1	Exempt
3D PRINT (1)	3D PRINT	3D Printers	Exempt
C7 WASH BAY (1)	C7 WASH BAY	C7 Wash Bay	Exempt
GHG	GHG	Space Heaters and Water Heaters (individually less than 10 MMBtu/hr)	Exempt
RIM ISO TANK	RIM Isocyanate Tank	RIM Isocyanate Tank	Exempt
Dip Clean Out Tank	Dip Clean Out Tank	Dip Clean Out Tank	Exempt

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

Insignificant Activities Equipment List

Insignificant Emission Unit Number	Insignificant Emission Unit Description
C3 CT	C3 Cooling Tower
E3 CT	E3 Cooling Tower
L3 CT	L3 Cooling Tower
RIM WASH	RIM Wash Tank
RIM RINSE	RIM Rinse Tank
RIM POLY TANK	RIM Polyol Tank
TC9D	Diesel Fuel Tank
TPWO	Waste Oil Tank
HYGARD	Hy-Gard Oil Tank
UO	Used Oil (Coolant) Tank
WW28	Wastewater Tank T028
WW29	Wastewater Tank T029
STILL	Solvent Still
DEBUR	Deburring Machine
C3AL	C3 Aluminum Oxide Blasting
C3SB	C3 Shot Blast
HEAT	Heat Treat and Quench
L1SB	L1 Sand Blast Cabinet

II. Plant-Wide Conditions

Facility Name: John Deere Ottumwa Works
Permit Number: 03-TV-028R3

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

Permit Duration

The term of this permit is: Five (5) years from permit issuance.
Commencing on: December 4, 2019
Ending on: December 3, 2024

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

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

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

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

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

Fugitive Dust: Attainment and Unclassified Areas - A person shall take reasonable precautions to prevent particulate matter from becoming airborne in quantities sufficient to cause a nuisance as defined in Iowa Code section 657.1 when the person allows, causes or permits any materials to be handled, transported or stored or a building, its appurtenances or a construction haul road to be used, constructed, altered, repaired or demolished, with the exception of farming operations or dust generated by ordinary travel on unpaved roads. Ordinary travel includes routine traffic and

road maintenance activities such as scarifying, compacting, transporting road maintenance surfacing material, and scraping of the unpaved public road surface. (The preceding sentence is State Only) All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate. The public highway authority shall be responsible for taking corrective action in those cases where said authority has received complaints of or has actual knowledge of dust conditions which require abatement pursuant to this subrule. Reasonable precautions may include, but not be limited to, the following procedures.

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

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

Table 1 – DNR Construction Permits Establishing VOC and HAP Limits for all production surface coating and RIM processes

Emission Point Number	Emission Unit Number(s)	Emission Unit Description	DNR Construction Permit Number
RIM MOLD/WAX 1	RIM MOLD/WAX 1	RIM Mold/Wax 1	02-A-151-S7
RRHA	RRHA	RIM Holding Area	02-A-148-S4
SC	SC	Storage Cabinet	02-A-272-S1
C3PS-3-B	C3PS	RIM Adhesive Booth	87-A-029-S5
C12PS-1B	C12PS	C12 Paint System Booth	94-A-263-S8
C12PS-2B			97-A-633-S8
C12PS-3B			97-A-634-S8
C12PS-4B			97-A-635-S8
C12TU	C12TU	Touchup Paint Booth	12-A-588-S3
C9RPS-1	C9RPS	C9 Rework Booth	12-A-403-S2
C9RPS-2	C9AMU	C9 Bake Oven	12-A-404-S2
E3P-1-O	E3PD	E3 Paint Dip Tank	96-A-439-S5
E3P-2-O			02-A-273-S4
E3P-3-O			02-A-274-S5
E3P-4-O			02-A-275-S5
E3P-5-O			02-A-276-S5
E3P-6-O			02-A-277-S5

E3PS-1B	E3PS	E3 Paint Spray Booth	02-A-183-S5
E3PS-2B			02-A-184-S5
E3PS-3B			02-A-549-S5
E3PS-4B			02-A-550-S5
L4PS-1-B	L4PS	L4 Paint System Spray Booth	86-A-004-S9
L4PS-2-B			02-A-185-S8
L4PS-3-B			04-A-608-S6
C4PS1	C4PS	C4 Paint Booth	09-A-498-S3
C4PS2			09-A-499-S3
C4PS3			09-A-500-S3
C4PS4			09-A-501-S3

Emission Limits for all production surface coating and RIM processes
The atmospheric emissions from the facility shall not exceed the following:

Pollutant: VOC
Emission Limit(s): 220.0 tons per daily rolling 365-day period
Authority for Requirement: See DNR Construction Permits in Table 1

Pollutant: Hazardous Air Pollutants (Single)
Emission Limit(s): 6.5 tons per daily rolling 365-day period
Authority for Requirement: See DNR Construction Permits in Table 1

Pollutant: Hazardous Air Pollutants (Total)
Emission Limit(s): 17.0 tons per daily rolling 365-day period
Authority for Requirement: See DNR Construction Permits in Table 1

Facility-Wide Emission Limit

The total facility-wide natural gas usage shall not exceed 1,500,000,000 standard cubic feet per 12 month rolling period.

Authority for Requirement: DNR Construction Permit 97-A-636-S3

Facility Wide Reporting & Recordkeeping Requirements
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.

For all Production Surface Coating and RIM processes:

A. The Facility shall use the following methods to calculate VOC and HAP emissions to show compliance with the production surface coating processes and RIM production processes emission limits:
   (1) For VOC-containing or HAP-containing process materials (paints, coatings, solvents, hardeners, sealers, adhesives, release agents, etc.), excluding the materials used in the RIM molds, the Facility shall assume all VOC or HAP in the material is emitted. The emissions may be considered emitted on the day the materials are delivered to the facility, the emission unit, or to the production line.

(2) For VOC-containing or HAP-containing materials injected into the RIM molds, the Facility shall use SDS data to calculate VOC and HAP emissions, or more representative emission factors if available.

B. The Facility shall maintain the following daily records:
   (1) The identification of each material that contains or emits VOC or HAP used in the production surface coating processes and RIM production processes. These materials shall include, but not necessarily limited to: paints, coatings, solvents, hardeners, sealers, adhesives, release agents, reaction injection molding materials, etc.
   (2) The amount, in gallons, of each material that contains or emits VOC or HAP used at the facility.
   (3) The permittee shall document the method and/or emission factors used to calculate VOC and HAP emissions for each material used in the production surface coating processes and RIM production processes.

C. The Facility shall maintain the following monthly records:
   (1) The identification of each material that contains or emits VOC or HAP used in the production surface coating processes and RIM production processes. These materials shall include, but not necessarily limited to: paints, coatings, solvents, hardeners, sealers, adhesives, release agents, reaction injection molding materials, etc.
   (2) The amount, in gallons, of each material that contains or emits VOC or HAP used in the production surface coating processes and RIM production processes.
   (3) The Facility shall document the method used to calculate VOC and HAP emissions for each material used in the production surface coating processes and RIM production processes.
   (4) The amount of VOC emissions from the production surface coating processes and RIM production processes, in tons.
   (5) The 12-month rolling total of the amount of VOC emissions from the production surface coating processes and RIM production processes, in tons.
   (6) The amount of all cumulative HAP emissions from the production surface coating processes and RIM production processes, in tons.
   (7) The 12-month rolling total of the amount of cumulative HAP emissions from the production surface coating processes and RIM production processes, in tons.
   (8) The amount of emissions of each individual HAP from the production surface coating processes and RIM production processes, in tons.
   (9) The 12-month rolling total of the amount of emissions of each individual HAP from the production surface coating processes and RIM production processes, in tons.

D. If the 12-month rolling total of the VOC emissions from the production surface coating processes and RIM production processes exceeds 176.0 tons, the Facility shall immediately begin keeping the following daily records:
   (1) The amount of VOC emissions from the production surface coating processes and RIM production processes, in tons.
   (2) The 365-day rolling total of the amount of VOC emissions from the production surface coating processes and RIM production processes, in tons.
   (3) Daily calculations for VOC emissions shall continue until the 365-day rolling total of the amount of VOC emissions from the production surface coating processes and RIM production processes drops below 176.0 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. If the emissions once again exceed 176.0 tons, daily recordkeeping will be required.

E. If the 12-month rolling total of all cumulative HAP emissions from the production surface coating processes and RIM production processes exceeds 13.6 tons, the Facility shall immediately begin keeping the following daily records:
   (1) The amount of all cumulative HAP emissions from the production surface coating processes and RIM production processes, in tons.
   (2) The 365-day rolling total of the amount of cumulative HAP emissions from the production surface coating processes and RIM production processes, in tons.
   (3) Daily calculations of all cumulative HAP emissions shall continue until the 365-day rolling total of the amount of all cumulative HAP emissions from the production surface coating processes and RIM production processes drops below 13.6 tons for the remainder of the current calendar month plus one additional calendar month. At that time, rolling daily calculation of cumulative HAP emissions will cease. If the emissions once again exceed 13.6 tons, daily recordkeeping will be required.

F. If the 12-month rolling total of any individual HAP emitted from the production surface coating processes and RIM production processes exceeds 5.2 tons, the Facility shall immediately begin keeping the following daily records:
   (1) The amount of emissions of each individual HAP from the production surface coating processes and RIM production processes, in tons.
   (2) The 365-day rolling total of the amount of emissions of each individual HAP from the production surface coating processes and RIM production processes, in tons.
   (3) Daily calculations of individual HAP emissions shall continue until the 365-day rolling total of the amount of emissions of each individual HAP from the production surface coating processes and RIM production processes drops below 5.2 tons for the remainder of the current calendar month plus one additional calendar month. At that time, rolling daily calculation of emissions of each individual HAP will cease. If the emissions once again exceed 5.2 tons, daily recordkeeping will be required.

G. The Facility may take credit for any waste VOC shipped off-site. The permittee shall record the amount of 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 a 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.

Note: VOC-containing or HAP-containing material shall include **all** materials used in production surface coating processes and RIM production processes which contain organics that are not listed as non-VOC's or contain listed HAP's (either organics or metals). These materials shall include but not necessarily limited to paints, coatings, solvents, hardeners, sealers, adhesives, release agents, etc.

Natural Gas

A. The permittee shall maintain the following monthly records:
   i. the total amount of natural gas used at the facility; and,
   ii. a determination of the 12-month rolling total amount of natural gas used at the facility.

Authority for Requirement: DNR Construction Permit 97-A-636-S3

40 CFR Part 61 Subpart M

This facility is subject only to the Subpart M NESHAP for the demolition and renovation of asbestos containing structures identified in 40 CFR 61.145.

40 CFR Part 63 Subpart A

This facility is an affected source and these *General Provisions* apply to the facility. The affected units are EU EGEN, EU CGEN, and EU TM3G.
See Appendix A for a link to the Standard.

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

40 CFR 63 Subpart ZZZZ

The Emergency Generator Engines (EU EGEN, EU C EGEN) is subject to the requirements of 40 CFR 63 of Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE).
See Appendix A for a link to the Standard.

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

40 CFR 63 Subpart CCCCCC

The Gasoline Tank (EU TM3G) is subject to the requirements of 40 CFR 63 Subpart CCCCCC, National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities.
See Appendix A for a link to the Standard.

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

III. Emission Point-Specific Conditions

Facility Name: John Deere Ottumwa Works
Permit Number: 03-TV-028R3

Emission Point ID Number: RIM MOLD/WAX 1

Associated Emission Unit ID Number: RIM MOLD/WAX 1

Emission Units vented through this Emission Point: RIM MOLD/WAX 1
Emission Unit Description: RIM MOLD/WAX 1
Raw Material: Wax, Polyol and Isocyanate
Rated Capacity: 83.5 gal/hr, 3.38 lb/hr of Wax

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 02-A-151-S7
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: PM_{10}
Emission Limit(s): 0.81 lb/hr
Authority for Requirement: DNR Construction Permit 02-A-151-S7

Pollutant: Particulate Matter
Emission Limit(s): 0.01 gr/dscf
Authority for Requirement: DNR Construction Permit 02-A-151-S7
567 IAC 23.4(13)

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 220.0 tons/year (2)
Authority for Requirement: DNR Construction Permit 02-A-151-S7

Pollutant: Hazardous Air Pollutants (Single)
Emission Limit(s): 6.5 tons/year [(2)]
Authority for Requirement: DNR Construction Permit 02-A-151-S7

Pollutant: Hazardous Air Pollutants (Total)
Emission Limit(s): 17.0 tons/year [(2)]
Authority for Requirement: DNR Construction Permit 02-A-151-S7
[(2)] Per daily rolling 365-day period for all production surface coating and RIM processes

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

See Facility Wide Reporting & recordkeeping Requirements for all Production Coating and RIM Processes under II. Plant-Wide Conditions.

A. The solids content of any spray applied wax used in the RIM Mold/Wax 1 unit shall not exceed 23 percent by weight. The owner or operator shall retain the Safety Data Sheets (SDS) of each type of wax used in the RIM Mold/Wax 1 unit.

Authority for Requirement: DNR Construction Permit 02-A-151-S7

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height (ft, from the ground): 25.5
Stack Opening (inches, dia): 24
Exhaust Flow Rate (scfm): 9,500
Exhaust Temperature (^{o}F): 70
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 02-A-151-S7

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

Monitoring Requirements

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: RIM OVEN

Associated Emission Unit ID Number: RIM OVEN

Emission Units vented through this Emission Point: RIM OVEN
Emission Unit Description: Natural Gas RIM OVEN
Raw Material: Natural Gas
Rated Capacity: 0.8 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: DNR Construction Permit 02-A-149-S1
567 IAC 23.3(2)"d"

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

Pollutant: PM_{10}
Emission Limit(s): 0.01 lb/hr
Authority for Requirement: DNR Construction Permit 02-A-149-S1

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 02-A-149-S1
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: DNR Construction Permit 02-A-149-S1
567 IAC 23.3(3)"e"

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

A. The permittee shall follow the reporting and recordkeeping requirements listed under Plant-Wide Conditions for Natural Gas Usage.

Authority for Requirement: DNR Construction Permit 97-A-636-S3

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height (ft, from the ground): 25
Stack Opening (inches, dia): 10
Exhaust Flow Rate (scfm): 2,300
Exhaust Temperature (^{o}F): 250
Discharge Style: Vertical obstructed
Authority for Requirement: DNR Construction Permit 02-A-149-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 Numbers: C3PS-3-B, RRHA, SC

Associated Equipment

Table 1: RIM Adhesive Booth, Holding Area and Storage Cabinet

EP	EU	EU Description	Control Equipment	Raw Material	Rated Capacity	DNR Construction Permit
C3PS-3-B	C3PS	RIM Adhesive Booth	CEC3PSWa: Mat Filter	Adhesive	6.09 gal/hr	87-A-029-S5
RRHA	RRHA	RIM Roll Holding Area	NA	Adhesives	NA	02-A-148-S4
SC	SC	Storage Cabinet	NA	Adhesives/ Solvents	NA	02-A-272-S1

Applicable Requirements

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

Limits for EP C3PS-3-B only

Pollutant: Opacity
Emission Limit(s): 40% (1)
Authority for Requirement: DNR Construction Permit 87-A-029-S5
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: PM_{10}
Emission Limit(s): 0.61 lb/hr
Authority for Requirement: DNR Construction Permit 87-A-029-S5

Pollutant: Particulate Matter
Emission Limit(s): 0.01 gr/scf
Authority for Requirement: DNR Construction Permit 87-A-029-S5
567 IAC 23.4(13)

Limits for all EPs in Table 1:

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 220.0 tons/year (2)
Authority for Requirement: DNR Construction Permits in Table 1: RIM Adhesive Booth, Holding Area and Storage Cabinet

Pollutant: Hazardous Air Pollutants (Single)
Emission Limit(s): 6.5 tons/year [(2)]
Authority for Requirement: DNR Construction Permits in Table 1: RIM Adhesive Booth, Holding Area and Storage Cabinet

Pollutant: Hazardous Air Pollutants (Total)
Emission Limit(s): 17.0 tons/year [(2)]
Authority for Requirement: DNR Construction Permits in Table 1: RIM Adhesive Booth, Holding Area and Storage Cabinet

[(2)] Per daily rolling 365-day period for all production surface coating and RIM processes

Operating Requirements with Associated Monitoring and Recordkeeping

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

See Facility Wide Reporting & recordkeeping Requirements for all Production Coating and RIM Processes under II. Plant-Wide Conditions.

For EP C3PS-3-B only:

A. Only one spray gun may be used in the RIM adhesive spray booth at any one time.
B. The owner or operator shall operate and maintain the control equipment in accordance with the specific plan developed by the facility.
C. The permittee shall maintain a record of all inspections/maintenance and any action resulting from the inspections/maintenance of the control equipment.

Authority for Requirement: DNR Construction Permits in Table 1: RIM Adhesive Booth, Holding Area and Storage Cabinet

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

EP	Stack Height (ft, from the ground)	Stack Opening (inches)	Exhaust Flow Rate (scfm)	Exhaust Temp. (ºF)	Discharge Style
C3PS-3-B	25.7	32	7,118	73	Vertical Unobstructed
RRHA	21	38 x 38	8,000	70	Horizontal
SC	19	17 x 17	3,850	75	Horizontal

Authority for Requirement: DNR Construction Permits in Table 1: RIM Adhesive Booth, Holding Area and Storage Cabinet

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** ☐
Required for CEC3PSWa – See Appendix B for Agency O & M plan.

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

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

Emission Point ID Number: C12BO

Associated Emission Unit ID Number: C12BO

Emission Units vented through this Emission Point: C12BO
Emission Unit Description: C12 Bake Oven
Raw Material: Natural Gas
Rated Capacity: 8 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: DNR Construction Permit 97-A-636-S3
567 IAC 23.3(2)"d"

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

Pollutant: PM_{10}
Emission Limit(s): 0.076 lb/hr
Authority for Requirement: DNR Construction Permit 97-A-636-S3

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 97-A-636-S3
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: DNR Construction Permit 97-A-636-S3
567 IAC 23.3(3)"e"

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

A. This oven is limited to firing on natural gas only.
B. The total, facility-wide natural gas usage shall not exceed 1,500,000,000 standard cubic feet (1,500 MMcf) per 12-month rolling period.

Reporting & Recordkeeping:

A. The permittee shall maintain the following monthly records:

   i. the total amount of natural gas used at the facility; and,
   ii. a determination of the 12-month rolling total amount of natural gas used at the facility.

Authority for Requirement: DNR Construction Permit 97-A-636-S3

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height (ft, from the ground): 34
Stack Opening (inches, dia): 36
Exhaust Flow Rate (scfm): 10,300
Exhaust Temperature (^{o}F): 160
Discharge Style: Vertical Obstructed
Authority for Requirement: DNR Construction Permit 97-A-636-S3

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

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Numbers: C12PS-1-B, C12PS-2-B, C12PS-3-B, C12PS-4-B

Associated Equipment

Table 1: C12 Paint System

EP	EU	EU Description	Control Equipment	Raw Material	Rated Capacity	DNR Construction Permit
C12PS-1-B	C12PS	C12 Paint System Booth	Schweitzer Hydrospin Waterwall	Paint, Solvent, Natural Gas	Four guns at 9.5 gal/hr (each) and Two Burners at 8.95 MMBtu/hr each	94-A-263-S8
C12PS-2-B						97-A-633-S8
C12PS-3-B						97-A-634-S8
C12PS-4-B						97-A-635-S8

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.

Limits for All Emission Points

Pollutant: Opacity
Emission Limit(s): 40% (1)
Authority for Requirement: DNR Construction Permits in Table 1: C12 Paint System
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: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: DNR Construction Permits in Table 1: C12 Paint System
567 IAC 23.3(3)"e"

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 220.0 tons/year (2)
Authority for Requirement: DNR Construction Permits in Table 1: C12 Paint System

Pollutant: Hazardous Air Pollutants (Single)
Emission Limit(s): 6.5 tons/year (2)
Authority for Requirement: DNR Construction Permits in Table 1: C12 Paint System

Pollutant: Hazardous Air Pollutants (Total)
Emission Limit(s): 17.0 tons/year [(2)]
Authority for Requirement: DNR Construction Permits in Table 1: C12 Paint System
[(2)] Per daily rolling 365-day period for all production surface coating and RIM processes

Limits for Emission Points C12PS-1B & C12PS-4B only

Pollutant: PM_{10}
Emission Limit(s): 2.84 lb/hr
Authority for Requirement: DNR Construction Permits 94-A-263-S8 & 97-A-635-S8

Pollutant: Particulate Matter
Emission Limit(s): 2.84 lb/hr, 94.0 tons/yr [(3)], 0.01 gr/dscf
Authority for Requirement: DNR Construction Permits 94-A-263-S8 & 97-A-635-S8
567 IAC 23.4(13)
[(3)] The total uncontrolled emissions of particulate matter from this unit shall not exceed 94.0 tons per daily rolling 365-day period.

Limits for Emission Points C12PS-2B & C12PS-3B only

Pollutant: PM_{10}
Emission Limit(s): 2.47 lb/hr
Authority for Requirement: DNR Construction Permits 97-A-633-S8 & 97-A-634-S8

Pollutant: Particulate Matter
Emission Limit(s): 2.47 lb/hr, 94.0 tons/yr [(3)], 0.01 gr/scf
Authority for Requirement: DNR Construction Permits 97-A-633-S8 & 97-A-634-S8
567 IAC 23.4(13)
[(3)] The total uncontrolled emissions of particulate matter from this unit shall not exceed 94.0 tons per daily rolling 365-day period.

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

See Facility Wide Reporting & recordkeeping Requirements for all Production Coating and RIM Processes under II. Plant-Wide Conditions.

A. The permittee (or owner or operator) shall use the following methods to calculate uncontrolled particulate emissions (PM) from this unit to show compliance with the PM emission limit of this permit:
   (1) Uncontrolled particulate emissions for each material shall be calculated using the following equation:

$$E = \frac{G \times C \times (100\% - TE)}{2000}$$

Where:

E = Emissions from use of a particular material.

G = # of gallons of the material sprayed over the previous day or month

C = solids content of the material

TE = transfer efficiency of the process. A value of no greater than 25% shall be used in this calculation.

(2) For the purposes of calculating emissions, all sprayable particulate containing materials may be considered emitted on the day the materials are delivered to the facility or to the production line.
(3) The total uncontrolled particulate emissions of from this unit shall be calculated by summing of emissions from all materials used.

B. If the 12-month rolling total of the uncontrolled particulate emissions exceeds 70.5 tons, the permittee shall immediately begin keeping the following daily records:
(1) The amount of uncontrolled particulate emissions from this unit, in tons.
(2) The 365-day rolling total of the amount of uncontrolled particulate emissions from this unit, in tons.
(3) Daily calculations for uncontrolled particulate emissions shall continue until the 365-day rolling total of the amount of uncontrolled particulate emissions from this unit drops below 70.5 tons for the remainder of the current calendar month plus one additional calendar month. At that time, rolling daily calculation of uncontrolled particulate emissions will cease per condition I of this permit. If the emissions once again exceed 70.5 tons, daily recordkeeping will be required per condition I of this permit.

C. The spray booth's air heaters shall be fired by natural gas only.

D. A maximum of four (4) spray guns shall be operated in Paint Booth C12, EUC12PS, at any one time.

E. The owner or operator of this unit must ensure that all new and existing personnel, including contract personnel, who spray apply surface coatings are trained in the proper application of surface coatings. A refresher training for all existing staff shall be conducted annually. The training program must include, at a minimum, the items listed in paragraphs below.
- Spray gun set up, and operation, including and achieving the proper spray pattern, air pressure and volume, and fluid delivery rate.
- Spray technique for different types of coatings to improve transfer efficiency and minimize coating usage and overspray, including maintaining the correct spray gun distance and angle to the part, using proper banding and overlap, and reducing lead and lag spraying at the beginning and end of each stroke.
- Environmental compliance with the requirements of this permit.
(1) The owner/operator shall maintain a list of all staff who have obtained training on spray coating application as required per condition L of this permit. This list shall include the date of the most recent training for each staff member.

F. The owner or operator shall operate and maintain the control equipment in accordance with the specific plan developed by the facility.
(1) The permittee shall maintain a record of all inspections/maintenance and any action resulting from the inspections/maintenance of the control equipment.

Authority for Requirement: DNR Construction Permits in Table 1: C12 Paint System

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

EP	Stack Height (ft, from the ground)	Stack Opening (inches, dia)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style
C12PS-1B	55	56	41,400	70	Vertical Unobstructed
C12PS-2B	55	56	36,000	70	Vertical Unobstructed
C12PS-3B	55	56	36,000	70	Vertical Unobstructed
C12PS-4B	55	56	41,400	70	Vertical Unobstructed

Authority for Requirement: DNR Construction Permits in Table 1: C12 Paint System

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** ☐
See Appendix B for Agency O & M plan.

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: C12TU

Associated Emission Unit ID Number: C12TU
Emissions Control Equipment ID Number: C12TU
Emissions Control Equipment Description: Cartridge Filters

Emission Units vented through these Emission Points: C12TU
Emission Unit Description: Touchup Paint Booth
Raw Material/Fuel: Paint, Solvent
Rated Capacity: 1 spray gun, 3 gal/hr

Applicable Requirements

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

Pollutant: Opacity
Emission Limit: 40% (1)
(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).
Authority for Requirement: 567 IAC 23.3(2)"d"
DNR Construction Permit 12-A-588-S3

Pollutant: PM10
Emission Limit: 0.24 lb/hr
Authority for Requirement: DNR Construction Permit 12-A-588-S3

Pollutant: Particulate Matter
Emission Limit: 0.01 gr/dscf; 0.24 lb/hr
Authority for Requirement: 567 IAC 23.4(13)
DNR Construction Permit 12-A-588-S3

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 220.0 tons/year (2)
Authority for Requirement: DNR Construction Permit 12-A-588-S3

Pollutant: Hazardous Air Pollutants (Single)
Emission Limit(s): 6.5 tons/year (2)
Authority for Requirement: DNR Construction Permit 12-A-588-S3

Pollutant: Hazardous Air Pollutants (Total)
Emission Limit(s): 17.0 tons/year (2)
Authority for Requirement: DNR Construction Permit 12-A-588-S3
(2) Per daily rolling 365-day period for all production surface coating and RIM processes

Operating Requirements with Associated Monitoring and Recordkeeping

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

See Facility Wide Reporting & recordkeeping Requirements for all Production Coating and RIM Processes under II. Plant-Wide Conditions.

A. The owner or operator shall operate and maintain the control equipment in accordance with the specific plan developed by the facility.
    (1) The permittee shall maintain a record of all inspections/maintenance and any action resulting from the inspections/maintenance of the control equipment.

Authority for Requirement: DNR Construction Permit 12-A-588-S3

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 43.5
Stack Opening, (inches, dia.): 52
Exhaust Flow Rate (scfm): 32,000
Exhaust Temperature (˚F): 70
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 12-A-588-S3

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? **Yes** ☒ **No** ☐
See Appendix B for Agency O & M plan.

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

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

Emission Point ID Numbers: C9RPS-1 and C9RPS-2

Associated Emission Unit ID Numbers: C9RPS, C9AMU
Emissions Control Equipment ID Number: C9RPS-1
Emissions Control Equipment Description: Dry Filters

Emission Unit vented through these Emission Points: C9RPS
Emission Unit Description: C9 Rework Booth
Raw Material/Fuel: Paint, Solvent
Rated Capacity: 1 gun @ 9.375 gal/hr

Emission Unit vented through these Emission Points: C9AMU
Emission Unit Description: C9 Bake Oven
Raw Material/Fuel: Natural Gas
Rated Capacity: 4.2 MMBtu/hr

Applicable Requirements

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

Pollutant: Opacity
Emission Limit: 40% (1)
(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).
Authority for Requirement: 567 IAC 23.3(2)"d"
DNR Construction Permits 12-A-403-S2 (C9RPS-1) and
12-A-404-S2 (C9RPS-2)

Pollutant: PM_{10}
Emission Limit: 1.64 lb/hr
Authority for Requirement: DNR Construction Permits 12-A-403-S2 (C9RPS-1) and
12-A-404-S2 (C9RPS-2)

Pollutant: Particulate Matter
Emission Limit: 0.01 gr/dscf
Authority for Requirement: 567 IAC 23.4(13)
DNR Construction Permits 12-A-403-S2 (C9RPS-1) and
12-A-404-S2 (C9RPS-2)

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

Pollutant: Sulfur Dioxide (SO_2) (when used as bake oven)
Emission Limit(s): 500 ppmv
Authority for Requirement: 567 IAC 23.3(3)"e"
DNR Construction Permits 12-A-403-S2 (C9RPS-1) and
12-A-404-S2 (C9RPS-2)

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 220.0 tons/year [(2)]
Authority for Requirement: DNR Construction Permits 12-A-403-S2 (C9RPS-1) and
12-A-404-S2 (C9RPS-2)

Pollutant: Hazardous Air Pollutants (Single)
Emission Limit(s): 6.5 tons/year [(2)]
Authority for Requirement: DNR Construction Permits 12-A-403-S2 (C9RPS-1) and
12-A-404-S2 (C9RPS-2)

Pollutant: Hazardous Air Pollutants (Total)
Emission Limit(s): 17.0 tons/year [(2)]
Authority for Requirement: DNR Construction Permits 12-A-403-S2 (C9RPS-1) and
12-A-404-S2 (C9RPS-2)
[(2)] Per daily rolling 365-day period for all production surface coating and RIM processes

Operating Requirements with Associated Monitoring and Recordkeeping

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

See Facility Wide Reporting & recordkeeping Requirements for all Production Coating and RIM Processes under II. Plant-Wide Conditions.

A. The bake oven shall be fired by natural gas only.
B. The amount of coating (excluding MAK thinner) used in C9 Rework Booth shall not exceed 32,500 gallons per 12-month rolling period.
    1. Record the amount of coating (excluding MAK thinner) used in C9 Rework booth, in gallons. Calculate and record monthly and 12-month rolling totals.
C. The owner or operator shall operate and maintain the control equipment in accordance with the specific plan developed by the facility.
    1. The permittee shall maintain a record of all inspections/maintenance and any action resulting from the inspections/maintenance of the control equipment.

Authority for Requirement: DNR Construction Permits 12-A-403-S2 (C9RPS-1) and
12-A-404-S2 (C9RPS-2)

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 36
Stack Opening, (inches, dia.): 42
Exhaust Flow Rate (scfm): 20,000
Exhaust Temperature (˚F): 70/160 [(1)]
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permits 12-A-403-S2 (C9RPS-1) and 12-A-404-S2 (C9RPS-2)

[(1)] Operation of this unit consists of two distinct processes. When a product needs a paint touch-up, it is moved into the booth. The painting process occurs at a normal temperature of 70°F (ambient building temperature). After painting is complete, staff leaves the booth and the product remains. The booth then becomes a cure oven and is heated to a temperature of approximately 160 °F. This curing takes approximately 20 minutes after which the product is allowed to cool before being removed from the booth.

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** ☐
See Appendix B for Agency O & M plan.

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

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

Emission Point ID Number: E2

Associated Equipment

EU	EU Description	Control Equipment	Raw Material	Rated Capacity	DNR Construction Permit
E2 Wash	E2 Wash System	NA	Alkaline Cleaners	225 gal/min	02-A-016-S6
E2 Oven	E2 Wash Oven	NA	Natural Gas	1.9 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.

Limits for the stack:

Pollutant: Opacity
Emission Limit(s): 40% (1)
Authority for Requirement: DNR Construction Permit 02-A-016-S6
567 IAC 23.3(2)"d"

(1) If visible emissions are observed the owner or operator is required to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the Department may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: PM_{10}
Emission Limit(s): 3.90 lb/hr
Authority for Requirement: DNR Construction Permit 02-A-016-S6

Pollutant: Particulate Matter
Emission Limit(s): 3.90 lb/hr, 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 02-A-016-S6
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: DNR Construction Permit 02-A-016-S6
567 IAC 23.3(3)"e"

Operating Requirements with Associated Monitoring and Recordkeeping

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

A. The oven shall operate on Natural Gas only.

B. The total facility-wide natural gas usage shall not exceed 1,500,000,000 standard cubic feet per 12 month rolling.
   (1) The permittee (or owner or operator) shall maintain the amount of natural gas utilized at the facility monthly.

   (2) Their owner or operator shall calculate and record the rolling 12-month plant wide usage of natural gas monthly.

C. The cleaning materials employed in washer system (E2 Wash) shall not contain any Volatile Organic Compounds (VOCs) or Hazardous Air Pollutants (HAPs).
   (1) The owner or operator shall maintain a copy of the Safety Data Sheet (SDS) for all materials used in washer system (EU E2 Wash).

Authority for Requirement: DNR Construction Permit 02-A-016-S6

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height (ft, from the ground): 39
Stack Opening (inches, dia): 33
Exhaust Flow Rate (scfm): 11,200
Exhaust Temperature (^{o}F): 70
Discharge Style: Vertical unobstructed
Authority for Requirement: DNR Construction Permit 02-A-016-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 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 Numbers: E3P-1-O, E3P-2-O, E3P-3-O, E3P-4-O, E3P-5-O, E3P-6-O,

Associated Equipment

Table 1: E3 Paint Dip Tank

EP	EU	EU Description	Control Equipment	Raw Material	Maximum Design Capacity	DNR Construction Permit
E3P-1-O	E3PD	E3 Paint Dip Tank	NA	Paint, Solvent	10,000 gallons	96-A-439-S5
E3P-2-O						02-A-273-S4
E3P-3-O						02-A-274-S5
E3P-4-O						02-A-275-S5
E3P-5-O						02-A-276-S5
E3P-6-O						02-A-277-S5

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40% (1)
Authority for Requirement: DNR Construction Permits in Table 1: E3 Paint Dip Tank
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter
Emission Limit(s): 0.01 gr/dscf
Authority for Requirement: DNR Construction Permits in Table 1: E3 Paint Dip Tank
567 IAC 23.4(13)

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 220.0 tons/year (2)
Authority for Requirement: DNR Construction Permits in Table 1: E3 Paint Dip Tank

Pollutant: Hazardous Air Pollutants (Single)
Emission Limit(s): 6.5 tons/year [(2)]
Authority for Requirement: DNR Construction Permits in Table 1: E3 Paint Dip Tank

Pollutant: Hazardous Air Pollutants (Total)
Emission Limit(s): 17.0 tons/year [(2)]
Authority for Requirement: DNR Construction Permits in Table 1: E3 Paint Dip Tank
[(2)] Per daily rolling 365-day period for all production surface coating and RIM processes

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

See Facility Wide Reporting & recordkeeping Requirements for all Production Coating and RIM Processes under II. Plant-Wide Conditions.

Authority for Requirement: DNR Construction Permits in Table 1: E3 Paint Dip Tank

Emission Point Characteristics
Each emission point shall conform to the specifications listed below.

EP	Stack Height (ft, from the ground)	Stack Opening (inches, dia)	Exhaust Flow Rate (scfm)	Exhaust Temperature (ºF)	Discharge Style
E3P-1-O	23.8	24	7,400	75	Vertical Unobstructed
E3P-2-O	24.2	24	9,150	75	Vertical Unobstructed
E3P-3-O	23.0	30	4,500	75	Vertical Unobstructed
E3P-4-O	23.0	30	4,500	75	Vertical Unobstructed
E3P-5-O	23.0	30	4,500	75	Vertical Unobstructed
E3P-6-O	23.0	30	4,500	75	Vertical Unobstructed

Authority for Requirement: DNR Construction Permits in Table 1: E3 Paint Dip Tank

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 Numbers: E3PS-1B, E3PS-2B, E3PS-3B, E3PS-4B

Associated Equipment

Table 1: E3 Paint Spray Booth

EP	EU	EU Description	Control Equipment	Raw Material	Rated Capacity	DNR Construction Permit
E3PS-1B	E3PS	E3 Paint Spray Booth	CE E3PS1: Dry Filter	Paint, Solvent	2 guns @ 9.375 gal/hr each; 1 gun @ 8.438 gal/hr	02-A-183-S5
E3PS-2B			CE E3PS2: Dry Filter			02-A-184-S5
E3PS-3B			CE E3PS3: Dry Filter			02-A-549-S5
E3PS-4B			CE E3PS4: Dry Filter			02-A-550-S5

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40% (1)
Authority for Requirement: DNR Construction Permits in Table 1: E3 Paint Spray Booth
567 IAC 23.3(2)"d"

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

Pollutant: PM_{10} (limit for each EP)
Emission Limit(s): 1.37 lb/hr
Authority for Requirement: DNR Construction Permits in Table 1: E3 Paint Spray Booth

Pollutant: Particulate Matter - State (limit for each EP)
Emission Limit(s): 1.37 lb/hr; 0.01 gr/dscf
Authority for Requirement: DNR Construction Permits in Table 1: E3 Paint Spray Booth
567 IAC 23.4(13)

Pollutant: Particulate Matter – State (Combined for EPs)
Emission Limit(s): 94.0 tons/yr (2)
Authority for Requirement: DNR Construction Permits in Table 1: E3 Paint Spray Booth

(2) The total uncontrolled emissions of particulate matter from this unit shall not exceed 94.0 tons per daily rolling 365-day period.

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 220.0 tons/year [(3)]
Authority for Requirement: DNR Construction Permits in Table 1: E3 Paint Spray Booth

Pollutant: Hazardous Air Pollutants (Single)
Emission Limit(s): 6.5 tons/year [(3)]
Authority for Requirement: DNR Construction Permits in Table 1: E3 Paint Spray Booth

Pollutant: Hazardous Air Pollutants (Total)
Emission Limit(s): 17.0 tons/year [(3)]
Authority for Requirement: DNR Construction Permits in Table 1: E3 Paint Spray Booth
[(3)] Per daily rolling 365-day period for all production surface coating and RIM processes

Operating Requirements and Associated Recordkeeping

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

See Facility Wide Reporting & recordkeeping Requirements for all Production Coating and RIM Processes under II. Plant-Wide Conditions.

A. The permittee (or owner or operator) shall use the following methods to calculate uncontrolled particulate emissions (PM) from this unit to show compliance the PM emission limit of this permit:
   (1) Uncontrolled particulate emissions for each material shall be calculated using the following equation:

$$E = \frac{G \times C \times (100\% - TE)}{2000}$$

Where:

E = Emissions from use of a particular material.

G = # of gallons of the material sprayed over the previous day or month

C = solids content of the material

TE = transfer efficiency of the process. A value of no greater than 25% shall be used in this calculation.

   (2) For the purposes of calculating emissions, all sprayable particulate containing materials may be considered emitted on the day the materials are delivered to the facility or to the production line.
   (3) The total uncontrolled particulate emissions of from this unit shall be calculated by summing of emissions from all materials used.

B. If the 12-month rolling total of the uncontrolled particulate emissions exceeds 70.5 tons, the permittee shall immediately begin keeping the following daily records:
   (1) The amount of uncontrolled particulate emissions from this unit, in tons.
   (2) The 365-day rolling total of the amount of uncontrolled particulate emissions from this unit, in tons.

(3) Daily calculations for uncontrolled particulate emissions shall continue until the 365-day rolling total of the amount of uncontrolled particulate emissions from this unit drops below 70.5 tons for the remainder of the current calendar month plus one additional calendar month. At that time, rolling daily calculation of uncontrolled particulate emissions will cease per condition I of this permit. If the emissions once again exceed 70.5 tons, daily recordkeeping will be required per condition I of this permit.

C. The owner or operator of this unit must ensure that all new and existing personnel, including contract personnel, who spray apply surface coatings are trained in the proper application of surface coatings. A refresher training for all existing staff shall be conducted annually. The training program must include, at a minimum, the items listed in paragraphs below.
   - Spray gun set up, and operation, including and achieving the proper spray pattern, air pressure and volume, and fluid delivery rate.
   - Spray technique for different types of coatings to improve transfer efficiency and minimize coating usage and overspray, including maintaining the correct spray gun distance and angle to the part, using proper banding and overlap, and reducing lead and lag spraying at the beginning and end of each stroke.
   - Environmental compliance with the requirements of this permit.

   (1) The owner/operator shall maintain a list of all staff who have obtained training on spray coating application as required per condition J of this permit. This list shall include the date of the most recent training for each staff member.

D. The owner or operator shall operate and maintain the control equipment in accordance with the specific plan developed by the facility.
   (1) The permittee shall maintain a record of all inspections/maintenance and any action resulting from the inspections/maintenance of the control equipment.

Authority for Requirement: DNR Construction Permits in Table 1: E3 Paint Spray Booth

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

Stack Height (ft, from the ground): 40.5
Stack Opening (inches, dia): 42
Exhaust Flow Rate (scfm): 20,000
Exhaust Temperature (°F): 73
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permits in Table 1: E3 Paint Spray Booth

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** ☐
See Appendix B for Agency O & M plan.

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

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

Emission Point ID Number: E4 Oven

Associated Emission Unit ID Number: E4 Oven

Emission Units vented through this Emission Point: E4 Oven
Emission Unit Description: E4 Paint Line Oven
Raw Material: Natural Gas
Rated Capacity: 3.7 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: DNR Construction Permit 02-A-042-S1
567 IAC 23.3(2)"d"

(1) If visible emissions are observed the owner or operator is required to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the Department may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 02-A-042-S1
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: DNR Construction Permit 02-A-042-S1
567 IAC 23.3(3)"e"

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

A. The oven shall operate on Natural Gas only.
B. The total facility-wide natural gas usage shall not exceed 1,500,000,000 standard cubic feet per 12 month rolling.
   (1) The permittee (or owner or operator) shall maintain the amount of natural gas utilized at the facility monthly.
   (2) Their owner or operator shall calculate and record the rolling 12-month plant wide usage of natural gas monthly.

Authority for Requirement: DNR Construction Permit 02-A-042-S1

Emission Point Characteristics
The emission point shall conform to the specifications listed below.

Stack Height (ft, from the ground): 24
Stack Opening (inches): 18
Exhaust Flow Rate (scfm): 3,540
Exhaust Temperature (^{o}F): 230
Discharge Style: Vertical, unobstructed
Authority for Requirement: DNR Construction Permit 02-A-042-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: L4PS-1-B, L4PS-2-B and L4PS-3-B

Associated Equipment

Table 1: L4 Paint System Spray Booth

EP	EU	EU Description	Control Equipment	Raw Material	Rated Capacity	DNR Construction Permit
L4PS-1-B	L4PS	L4 Paint System Spray Booth	CE-L4PS, Dry Filters	Paint/Solvent, Natural Gas	1 spray gun, Maximum Capacity 4.75 gal/hr; 6.22 MMBtu/hr	86-A-004-S9
L4PS-2-B						02-A-185-S8
L4PS-3-B						04-A-608-S6

Applicable Requirements

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

Pollutant: Opacity
Emission Limit(s): 40% (1)
Authority for Requirement: DNR Construction Permits in Table 1: L4 Paint System Spray Booth
567 IAC 23.3(2)"d"

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

Pollutant: PM_{10} (for each EP)
Emission Limit(s): 1.60 lb/hr
Authority for Requirement: DNR Construction Permits in Table 1: L4 Paint System Spray Booth

Pollutant: Particulate Matter (for each EP)
Emission Limit(s): 0.01 gr/dscf
Authority for Requirement: DNR Construction Permits in Table 1: L4 Paint System Spray Booth
567 IAC 23.4(13)

Pollutant: Particulate Matter – (Combined limit for EPs)
Emission Limit(s): 94.0 tons per daily rolling 365 day period (2)
Authority for Requirement: DNR Construction Permits in Table 1: L4 Paint System Spray Booth

(2) The total emissions of pre-control particulate matter from these units shall not exceed 94.0 tons per daily rolling 365-day period.

Pollutant: Sulfur Dioxide (SO_2) (for natural gas combustion) (for each EP)
Emission Limit(s): 500 ppmv
Authority for Requirement: DNR Construction Permits in Table 1: L4 Paint System Spray Booth
567 IAC 23.3(3)"e"

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 220.0 tons/year [(2)]
Authority for Requirement: DNR Construction Permits in Table 1: L4 Paint System Spray Booth

Pollutant: Hazardous Air Pollutants (Single)
Emission Limit(s): 6.5 tons/year [(2)]
Authority for Requirement: DNR Construction Permits in Table 1: L4 Paint System Spray Booth

Pollutant: Hazardous Air Pollutants (Total)
Emission Limit(s): 17.0 tons/year [(2)]
Authority for Requirement: DNR Construction Permits in Table 1: L4 Paint System Spray Booth

[(2)] Per daily rolling 365-day period for all production surface coating and RIM processes

Operating Requirements with Associated Monitoring and Recordkeeping

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

See Facility Wide Reporting & recordkeeping Requirements for all Production Coating and RIM Processes under II. Plant-Wide Conditions.

A. The permittee (or owner or operator) shall use no more than 16,500 gallons of material per twelve month rolling period in Spray Paint Booth L4 (EU L4).
B. The solids content of any sprayable material used in Spray Paint Booth L4 (EU L4) shall not exceed 11.39 lbs/gal.
C. The permittee (or owner or operator) shall keep Safety Data Sheets (SDS) of each material used in Spray Paint Booth L4 (EU L4).
D. The permittee (or owner or operator) shall record monthly
    1. The amount of material used (in gallons) in Spray Paint Booth L4 (EU L4); and
    2. The twelve month rolling total of the amount of material used (in gallons) in Spray Paint Booth L4 (EU L4).

E. The Paint Booth L4 Air Heater shall only be fired by natural gas.
F. The owner or operator shall operate and maintain the control equipment in accordance with the specific plan developed by the facility.
    (1) The permittee shall maintain a record of all inspections/maintenance and any action resulting from the inspections/maintenance of the control equipment.

Authority for Requirement: DNR Construction Permits in Table 1: L4 Paint System Spray Booth

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

Stack Height (ft, from the ground): 32.1
Stack Opening (inches, dia): 40
Exhaust Flow Rate (scfm): 18,700
Exhaust Temperature (°F): 70
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permits in Table 1: L4 Paint System Spray Booth

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** ☐
See Appendix B for Agency O & M plan.

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

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

Emission Point ID Number: WPR (Vents Inside)

Associated Emission Unit ID Number: WPR

Emission Units vented through this Emission Point: WPR
Emission Unit Description: Production Welding
Raw Material: Weld Wire
Rated Capacity: 1,500,000 lb/yr

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): 0.1 gr/dscf
Authority for Requirement: 567 IAC 23.3(2)"a"

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

Process throughput:

A. Weld wire usage shall not exceed 1,500,000 pounds per 12-month rolling period.

Authority for Requirement: 567 IAC 22.108(14)

Reporting & Recordkeeping:

A. Record on a monthly basis, the total amount of weld wire. Calculate and record rolling 12-month totals.

Authority for Requirement: 567 IAC 22.108(3)

Monitoring Requirements

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Numbers: C4PS1, C4PS2, C4PS3, C4PS4

Associated Equipment

Table 1: C4 Paint Booth

EP	EU	EU Description	Control Equipment	Raw Material	Rated Capacity	DNR Construction Permit
C4PS1	C4PS	C4 Paint Booth	C4D Blanket Filter and Bag Filter	Paint, Solvent	37.5 gal/hr	09-A-498-S3
C4PS2						09-A-499-S3
C4PS3						09-A-500-S3
C4PS4						09-A-501-S3

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40% (1)
Authority for Requirement: DNR Construction Permits in Table 1: C4 Paint Booth
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 – State (limit per EP)
Emission Limit(s): 0.01 gr/dscf
Authority for Requirement: DNR Construction Permits in Table 1: C4 Paint Booth
567 IAC 23.4(13)

Pollutant: Particulate Matter – (Combined limit for EPs)
Emission Limit(s): 94.0 tons per daily rolling 365 day period (2)
Authority for Requirement: DNR Construction Permits in Table 1: C4 Paint Booth

(2) The total emissions of pre-control particulate matter from these units shall not exceed 94.0 tons per daily rolling 365-day period.

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 220.0 tons/year (3)
Authority for Requirement: DNR Construction Permits in Table 1: C4 Paint Booth

Pollutant: Hazardous Air Pollutants (Single)
Emission Limit(s): 6.5 tons/year [3]
Authority for Requirement: DNR Construction Permits in Table 1: C4 Paint Booth

Pollutant: Hazardous Air Pollutants (Total)
Emission Limit(s): 17.0 tons/year [3]
Authority for Requirement: DNR Construction Permits in Table 1: C4 Paint Booth
[3] Per daily rolling 365-day period for all production surface coating and RIM processes

Operating Requirements with Associated Monitoring and Recordkeeping

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

See Facility Wide Reporting & recordkeeping Requirements for all Production Coating and RIM Processes under II. Plant-Wide Conditions.

A. The permittee (or owner or operator) shall use the following methods to calculate pre-control particulate emissions (PM) from this unit to show compliance with the PM emission limit in Condition A of this permit:
   (1) Pre-control particulate emissions for each material shall be calculated using the following equation:

$$E = \frac{G \times C \times (100\% - TE)}{2000}$$

Where:

E = Emissions from use of a particular material.

G = # of gallons of the material sprayed over the previous day or month

C = solids content of the material

TE = transfer efficiency of the process. A value of no greater than 25% shall be used in this calculation.

   (2) For the purposes of calculating emissions, all sprayable particulate containing materials may be considered emitted on the day the materials are delivered to the facility or to the production line.
   (3) The total pre-control particulate emissions of from this unit shall be calculated by summing of emissions from all materials used.

B. If the 12-month rolling total of the pre-control particulate emissions exceeds 70.5 tons, the permittee shall immediately begin keeping the following daily records:
   (1) The amount of uncontrolled particulate emissions from this unit, in tons.
   (2) The 365-day rolling total of the amount of uncontrolled particulate emissions from this unit, in tons.
   (3) Daily calculations for uncontrolled particulate emissions shall continue until the 365-day rolling total of the amount of uncontrolled particulate emissions from this unit drops below 70.5 tons for the remainder of the current calendar month plus one additional calendar month. At that time, rolling daily calculation of uncontrolled

particulate emissions will cease per condition B of this permit. If the emissions once again exceed 70.5 tons, daily recordkeeping will be required per condition B of this permit.

C. The owner or operator of this unit shall use only electrostatic paint guns in Spray Booth C4 (EU C4).
D. The owner or operator shall operate and maintain the control equipment in accordance with the specific plan developed by the facility.
   (1) The permittee shall maintain a record of all inspections/maintenance and any action resulting from the inspections/maintenance of the control equipment.

Authority for Requirement: DNR Construction Permits in Table 1: C4 Paint Booth

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

Stack Height (ft, from the ground): 55
Stack Opening (inches): 60
Exhaust Flow Rate (scfm): 45,825
Exhaust Temperature (^{o}F): 70
Discharge Style: Vertical, unobstructed
Authority for Requirement: DNR Construction Permits in Table 1: C4 Paint Booth

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** ☐
See Appendix B for Agency O & M plan.

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

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

Emission Point ID Number: See Table: Tanks

Associated Equipment

Table: Tanks

EP	EU	EU Description	Control Equipment	Raw Material	Rated Capacity
TM3G	TM3G	Unleaded Gasoline Tank	NA	Gasoline	515 gal
C2 RP Tank	C2 RP Tank	Rust Preventative Tank in C2 Building	NA	Rust Preventative Liquid	150 gal

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.

For Emission Unit C2 RP Tank only:
Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 220.0 tons/year (1)
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Pollutant: Hazardous Air Pollutants (Single)
Emission Limit(s): 6.5 tons/year (1)
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Pollutant: Hazardous Air Pollutants (Total)
Emission Limit(s): 17.0 tons/year (1)
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions
(1) Per daily rolling 365-day period for all production surface coating and RIM processes

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

For Emission Unit TM3G Only:

The permittee shall follow all requirements of 40 CFR 63.11116.

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

For Emission Unit C2 RP Tank only:

The permittee shall follow the reporting and recordkeeping requirements listed under Plant-Wide Conditions.

Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Monitoring Requirements

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: LASERS

Associated Equipment

Associated Emission Unit ID Numbers: LASERS

Emission Units vented through this Emission Point: Lasers
Emission Unit Description: Laser Cutting Facility-Wide
Raw Material/Fuel: Steel
Rated Capacity: 150,000 in/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
Emission Limit(s): 0.05 gr/dscf
Authority for Requirement: 567 IAC 23.4(6)

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

No operating requirements 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: EGEN

Associated Emission Unit ID Numbers: EGEN

Emission Unit vented through this Emission Point: EGEN
Emission Unit Description: Emergency Generator Engine
Raw Material/Fuel: Natural Gas
Rated Capacity: 162 BHP

Applicable Requirements

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

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

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

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: 567 IAC 23.3(3)"e"

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

Operating Requirements with Associated Monitoring and Recordkeeping
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Department. Records shall be legible and maintained in an orderly manner. The operating requirements and associated recordkeeping for this permit shall be:
Compliance Date
Per 63.6595(a)(1) you must comply with the provisions of subpart ZZZZ that are applicable by October 19, 2013.

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

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

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

Operating Limits 40 CFR 63.6640(f)

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

Recordkeeping Requirements 40 CFR 63.6655

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

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

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

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

Additional Reporting & Recordkeeping:

The permittee shall follow the reporting and recordkeeping requirements listed under Plant-Wide Conditions for Natural Gas Usage.

Authority for Requirement: DNR Construction Permit 97-A-636-S3

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: C EGEN

Associated Emission Unit ID Numbers: C EGEN

Emission Unit vented through this Emission Point: C EGEN
Emission Unit Description: Emergency Generator in C Building
Raw Material/Fuel: Natural Gas
Rated Capacity: 16 BHP

Applicable Requirements

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

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

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

Pollutant: Sulfur Dioxide (SO_2)
Emission Limit(s): 500 ppmv
Authority for Requirement: 567 IAC 23.3(3)"e"

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

Operating Requirements with Associated Monitoring and Recordkeeping
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Department. Records shall be legible and maintained in an orderly manner. The operating requirements and associated recordkeeping for this permit shall be:
Compliance Date
Per 63.6595(a)(1) you must comply with the provisions of subpart ZZZZ that are applicable by October 19, 2013.

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

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

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

Operating Limits 40 CFR 63.6640(f)

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

Recordkeeping Requirements 40 CFR 63.6655

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

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

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

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

Additional Reporting & Recordkeeping:

The permittee shall follow the reporting and recordkeeping requirements listed under Plant-Wide Conditions for Natural Gas Usage.

Authority for Requirement: DNR Construction Permit 97-A-636-S3

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: C9 KIT, E3 KIT, W3 KIT, W4 CHEM and C13PSCK

Associated Equipment

Associated Emission Unit ID Numbers: C9 KIT, E3 KIT, W3 KIT, W4 CHEM and C13PSCK

Emission Units vented through this Emission Point: C9 KIT, E3 KIT, W3 KIT, C13PSCK and W4 CHEM
Emission Unit Description: C9 Paint Kitchen, E3 Paint Kitchen, W3 Paint Kitchen, C13 Paint Kitchen 1 and W4 Chemical Storage
Raw Material: Paint and Solvent
Rated Capacity: NA (Paint and Solvent Storage Area)

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 (VOC and HAP emissions from this emissions unit are accounted for in the permits for the spray booths).

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 220.0 tons/year (1)
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Pollutant: Hazardous Air Pollutants (Single)
Emission Limit(s): 6.5 tons/year (1)
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Pollutant: Hazardous Air Pollutants (Total)
Emission Limit(s): 17.0 tons/year (1)
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions
(1) Per daily rolling 365-day period for all production surface coating and RIM processes

Operating Requirements with Associated Monitoring and Recordkeeping
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the Department. Records shall be legible and maintained in an orderly manner. The operating requirements and associated recordkeeping for this permit shall be:
The permittee shall follow reporting and recordkeeping requirements listed under Plant-Wide Conditions.

Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Monitoring Requirements

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 3D PRINT

Associated Equipment

Associated Emission Unit ID Numbers: 3D PRINT

Emission Units vented through this Emission Point: 3D PRINT
Emission Unit Description: 3D Printers
Raw Material/Fuel: 3D printing materials including but not limited to ABS Plastic, PLA, polyamide, glass filled polyamide, epoxy resins, silver, titanium, steel, wax, photopolymers, polycarbonate, thermoplastics
Rated Capacity: Individually less than 800 lb/yr

Applicable Requirements

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

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 220.0 tons/year [(1)]
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions
[(1)] Per daily rolling 365-day period for all production surface coating and RIM processes

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

The permittee shall follow reporting and recordkeeping requirements listed under Plant-Wide Conditions.

These emission units qualify for the Small Unit Exemption under 567 IAC 22.1(2)"w". Records shall be kept in accordance with 567 IAC 22.1(2)"w"(3).

Authority for Requirement: 567 IAC 22.1(2)"w"(3)
See DNR Construction Permits in Table 1 under Plant-wide Conditions

Monitoring Requirements

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: C7 WASH BAY

Associated Equipment

Associated Emission Unit ID Numbers: C7 WASH BAY

Emission Units vented through this Emission Point: C7 WASH BAY
Emission Unit Description: C7 Wash Bay
Raw Material/Fuel: Water and Alkaline Cleaners; Natural Gas
Rated Capacity: 4 gal/min

Applicable Requirements

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

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.8 lbs/MMBtu
Authority for Requirement: 567 IAC 23.3(2)"b"

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

Pollutant: Sulfur Dioxide ($SO_{2)}$
Emission Limit(s): 500 ppmv
Authority for Requirement: 567 IAC 23.3(3)"e"

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

The permittee shall follow the reporting and recordkeeping requirements listed under Plant-Wide Conditions for Natural Gas Usage.

This emission unit qualifies for the Small Unit Exemption under 567 IAC 22.1(2)"w". Records shall be kept in accordance with 567 IAC 22.1(2)"w"(3).

Authority for Requirement: 567 IAC 22.1(2)"w"(3)
DNR Construction Permit 97-A-636-S3

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: GHG

Associated Equipment

Associated Emission Unit ID Numbers: GHG

Emission Units vented through this Emission Point: GHG
Emission Unit Description: Space Heaters and Water Heaters
Raw Material/Fuel: Natural Gas
Rated Capacity: Individually less than 10 MMBtu/hr

Applicable Requirements

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

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

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.8 lbs/MMBtu
Authority for Requirement: 567 IAC 23.3(2)"b"

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

Pollutant: Sulfur Dioxide ($SO_{2)}$
Emission Limit(s): 500 ppmv
Authority for Requirement: 567 IAC 23.3(3)"e"

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

These units shall use natural gas only.

The permittee shall follow the reporting and recordkeeping requirements listed under Plant-Wide Conditions for Natural Gas Usage.

Authority for Requirement: DNR Construction Permit 97-A-636-S3

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: RIM ISO Tank

Associated Equipment

Associated Emission Unit ID Numbers: RIM Isocyanate Tank

Emission Units vented through this Emission Point: RIM ISO Tank
Emission Unit Description: RIM Isocyanate Tank (2)
Raw Material/Fuel: Isocyanate, Polyol
Rated Capacity: 5300 gallons capacity (2 Tanks)

Applicable Requirements

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

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 220.0 tons/year (1)
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Pollutant: Hazardous Air Pollutants (Single)
Emission Limit(s): 6.5 tons/year (1)
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Pollutant: Hazardous Air Pollutants (Total)
Emission Limit(s): 17.0 tons/year (1)
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions
(1) Per daily rolling 365-day period for all production surface coating and RIM processes

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

The permittee shall follow the reporting and recordkeeping requirements listed under Plant-Wide Conditions.

Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Monitoring Requirements

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: Dip Tank Clean Out Tank

Associated Equipment

Associated Emission Unit ID Numbers: Dip Clean Out Tank

Emission Units vented through this Emission Point: Dip Tank Clean Out Tank
Emission Unit Description: Dip Tank Clean Out Tank
Raw Material/Fuel: Paint and Solvent
Rated Capacity: N/A

Applicable Requirements

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

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 220.0 tons/year [(1)]
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Pollutant: Hazardous Air Pollutants (Single)
Emission Limit(s): 6.5 tons/year [(1)]
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Pollutant: Hazardous Air Pollutants (Total)
Emission Limit(s): 17.0 tons/year [(1)]
Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions
[(1)] Per daily rolling 365-day period for all production surface coating and RIM processes

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

The permittee shall follow the reporting and recordkeeping requirements listed under Plant-Wide Conditions.

Authority for Requirement: See DNR Construction Permits in Table 1 under Plant-wide Conditions

Monitoring Requirements

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

IV. General Conditions

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

G1. Duty to Comply

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

G2. Permit Expiration

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

G3. Certification Requirement for Title V Related Documents

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

G4. Annual Compliance Certification

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

G5. Semi-Annual Monitoring Report

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

G6. Annual Fee

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

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

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

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

G8. Duty to Provide Information

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

G9. General Maintenance and Repair Duties

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

G10. Recordkeeping Requirements for Compliance Monitoring

1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records, where applicable:
    a. The date, place and time of sampling or measurements
    b. The date the analyses were performed.
    c. The company or entity that performed the analyses.
    d. The analytical techniques or methods used.
    e. The results of such analyses; and
    f. The operating conditions as existing at the time of sampling or measurement.
    g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts.)
2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.
3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:
    a. Comply with all terms and conditions of this permit specific to each alternative scenario.
    b. Maintain a log at the permitted facility of the scenario under which it is operating.

c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 22.108(4), 567 IAC 22.108(12)*

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

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

1. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred at a source:

a. A monitoring method approved for the source and incorporated in an operating permit pursuant to 567 Chapter 22;

b. Compliance test methods specified in 567 Chapter 25; or

c. Testing or monitoring methods approved for the source in a construction permit issued pursuant to 567 Chapter 22.

2. The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:

a. Any monitoring or testing methods provided in these rules; or

b. Other testing, monitoring, or information gathering methods that produce information comparable to that produced by any method in subrule 21.5(1) or this subrule. *567 IAC 21.5(1)-567 IAC 21.5(2)*

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

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

G13. Hazardous Release

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

G14. Excess Emissions and Excess Emissions Reporting Requirements

1. Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does not require the shutdown of the process equipment shall be limited to one six-minute period per one-hour period. An incident of excess emission (other than an incident during startup, shutdown or cleaning of control equipment) is a violation. If the owner or operator of a source maintains that the incident of excess emission was due to a malfunction, the owner or operator must show that the conditions which caused the incident of excess emission were not preventable by reasonable maintenance and control measures. Determination of any subsequent enforcement action will be made following review of this report. If excess emissions are occurring, either the control equipment causing the excess emission shall be repaired in an expeditious manner or the process generating the emissions shall be shutdown within a reasonable period of time. An expeditious manner is the time necessary to

determine the cause of the excess emissions and to correct it within a reasonable period of time. A reasonable period of time is eight hours plus the period of time required to shut down the process without damaging the process equipment or control equipment. A variance from this subrule may be available as provided for in Iowa Code section 455B.143. In the case of an electric utility, a reasonable period of time is eight hours plus the period of time until comparable generating capacity is available to meet consumer demand with the affected unit out of service, unless, the director shall, upon investigation, reasonably determine that continued operation constitutes an unjustifiable environmental hazard and issue an order that such operation is not in the public interest and require a process shutdown to commence immediately.

2. Excess Emissions Reporting

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

i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.

ii. The estimated quantity of the excess emission.

iii. The time and expected duration of the excess emission.

iv. The cause of the excess emission.

v. The steps being taken to remedy the excess emission.

vi. The steps being taken to limit the excess emission in the interim period.

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

i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.

ii. The estimated quantity of the excess emission.

iii. The time and duration of the excess emission.

iv. The cause of the excess emission.

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

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

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

3. Emergency Defense for Excess Emissions. For the purposes of this permit, an “emergency” means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission

limitation under the permit due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include non-compliance, to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation or operator error. An emergency constitutes an affirmative defense to an action brought for non-compliance with technology based limitations if it can be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that:

a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;

b. The facility at the time was being properly operated;

c. During the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements of the permit; and

d. The permittee submitted notice of the emergency to the director by certified mail within two working days of the time when the emissions limitations were exceeded due to the emergency. This notice fulfills the requirement of paragraph 22.108(5)"b." – See G15. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

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

G15. Permit Deviation Reporting Requirements

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

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

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

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

1. Off Permit Changes to a Source. Pursuant to section 502(b)(10) of the CAAA, the permittee may make changes to this installation/facility without revising this permit if:

a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 22.

b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);

c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);

d. The changes are not subject to any requirement under Title IV of the Act (revisions affecting Title IV permitting are addressed in rules 567—22.140(455B) through 567 - 22.144(455B)).

e. The changes comply with all applicable requirements.

f. For each such change, the permitted source provides to the department and the administrator by certified mail, at least 30 days in advance of the proposed change, a written notification, including the following, which must be attached to the permit by the source, the department and the administrator:

i. A brief description of the change within the permitted facility,

ii. The date on which the change will occur,

iii. Any change in emission as a result of that change,

iv. The pollutants emitted subject to the emissions trade

v. If the emissions trading provisions of the state implementation plan are invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.

vi. A description of the trading of emissions increases and decreases for the purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and

vii. Any permit term or condition no longer applicable as a result of the change. *567 IAC 22.110(1)*

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

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

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

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

G18. Duty to Modify a Title V Permit

1. Administrative Amendment.

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

i. Correct typographical errors

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

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

iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility,

coverage and liability between the current and new permittee has been submitted to the director.

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

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

2. Minor Title V Permit Modification.

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

i. Do not violate any applicable requirement;

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

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

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

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

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

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

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

ii. The permittee's suggested draft permit;

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

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

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

3. Significant Title V Permit Modification.

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

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

G19. Duty to Obtain Construction Permits

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

G20. Asbestos

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

G21. Open Burning

The permittee is prohibited from conducting open burning, except as provided in 567 IAC 23.2. *567 IAC 23.2 <u>except</u> 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) 725-9526

Within Polk and Linn Counties, stack test notifications, reports and correspondence shall also be directed to the supervisor of the respective county air pollution program.
567 IAC 25.1(7)"a", 567 IAC 25.1(9)

G31. Prevention of Air Pollution Emergency Episodes

The permittee shall comply with the provisions of 567 IAC Chapter 26 in the prevention of excessive build-up of air contaminants during air pollution episodes, thereby preventing the occurrence of an emergency due to the effects of these contaminants on the health of persons.
567 IAC 26.1(1)

G32. Contacts List

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

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

Field Office 2
2300-15th St., SW
Mason City, IA 50401
(641) 424-4073

Field Office 3
1900 N. Grand Ave.
Spencer, IA 51301
(712) 262-4177

Field Office 4
1401 Sunnyside Lane
Atlantic, IA 50022
(712) 243-1934

Field Office 5
Wallace State Office Building
502 E 9th St.
Des Moines, IA 50319-0034
(515) 725-0268

Field Office 6
1023 West Madison Street
Washington, IA 52353-1623
(319) 653-2135

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

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

V: Appendix A: Weblinks to Standards

A. 40 CFR 63 Subpart A – General Provisions
https://www.ecfr.gov/cgi-bin/text-idx?SID=b49cd2f168195e73609ebdad7055600b&mc=true&node=sp40.11.63.a&rgn=div6

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

C. 40 CFR 63 Subpart CCCCCC - National Emissions Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities
https://www.ecfr.gov/cgi-bin/text-idx?node=sp40.15.63.cccccc

D. 40 CFR 61 Subpart M – National Emission Standard for Asbestos
https://www.ecfr.gov/cgi-bin/text-idx?SID=313ba4cbba56f857bf5615dbccbcc77a&mc=true&node=sp40.10.61.m&rgn=div6

Appendix B: Agency O & M Plans

Agency O & M Plan for Adhesive and Paint Booths

Weekly

- Inspect the spray booth system for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the filter material.
- Inspect the filter material for excessive binding or plugging.
- Inspect for missing filters or air bypassing filters.
- Inspect for issues with the fan(s) which pull air through the exhaust system.
- 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 owner or operator shall operate and maintain the control equipment in accordance with the specific plan developed by the facility.

Agency O & M Plan for C12 Paint System

Weekly

- Inspect the water wall scrubber for conditions that reduce the operating efficiency of the collection system. This will include a visual inspection of the condition of the water wall scrubber.
- Inspect for issues with the water wall scrubber recirculation pump.
- Inspect for issues with the fan(s) which pull air through the exhaust system.
- 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 owner or operator shall operate and maintain the control equipment in accordance with the specific plan developed by the facility.