

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

**Name of Permitted Facility: Pella Corporation – Pella Division
Facility Location: 102 Main Street, Pella, IA 50219**

Air Quality Operating Permit Number: 00-TV-030R3

Expiration Date: March 5, 2023

Permit Renewal Application Deadline: September 5, 2022

EIQ Number: 92-4047

Facility File Number: 63-02-003

Responsible Official

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Title: Vice President of Operations

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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

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

Pollutants

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

I. Facility Description and Equipment List

Facility Name: Pella Corporation – Pella Division

Permit Number: 00-TV-030R3

Facility Description: Millwork (SIC 2431)

Equipment List

Emission Point Number	Emission Unit Number	Emission Unit Description	IDNR Construction Permit Number
Boilers			
EP-2	EU-2	Boiler #2 (8.37 MMBtu/hr)	04-A-1010-S3
EP-14	EU-14	Boiler #3 (14.65 MMBtu/hr)	04-A-1011-S3
EP-16	EU-16	Boiler #4 (14.65 MMBtu/hr)	01-A-994-S5
EP-49	EU-49	Boiler #6 (22.6 MMBtu/hr)	88-A-186-S4
Pre-Finished Product Line Electric Ovens			
EP-120	EU-120	Electric Oven #1 (40 kW)	07-A-131-S8
EP-122	EU-122	Electric Oven #2 (40 kW)	07-A-133-S8
EP-124	EU-124	Electric Oven #3 (83 kW)	07-A-993-S6
EP-126	EU-126	Electric Oven #4(83 kW)	07-A-995-S7
EP-131	EU-131	Electric Oven #5(175 kW)	08-A-198-S5
EP-133	EU-133	Electric Oven #7 (72 kW)	08-A-200-S6
EP-135	EU-135	Electric Oven #8 (120 kW)	08-A-202-S5
EP-173	EU-173	Electric Oven (175 kW)	09-A-584-S3
EP-174	EU-174	Electric Oven (56 kW)	09-A-585-S2
EP-179	EU-179	Electric Oven (56 kW)	09-A-590-S3
EP-180	EU-180	Electric Oven (120 kW)	09-A-591-S3
EP-183	EU-183	Electric Oven (120 kW)	09-A-594-S2
EP-199	EU-199	Electric Oven (56 kW)	09-A-610-S2
EP-205	EU-205	Electric Oven (29 kW)	09-A-616-S3
EP-227	EU-227	Electric Oven (120 kW)	11-A-190-S2
EP-236	EU-236	Electric Oven (175 kW)	12-A-115-S1
EP-237	EU-237	Electric Oven (175 kW)	12-A-116-S1
EP-139	EU-139a	Electric Oven (120 kW)	08-A-360-S4
	EU-139b	Electric Oven (56 kW)	
EP-143	EU-143a	Electric Oven (34 kW)	08-A-364-S4
	EU-143b	Electric Oven (19 kW)	
Entry Door Curing Oven			
EP-230	EU-230	Entry Door Curing Oven	11-A-735
Pre-Finished Product Line 1/2 Auto Surface Coating Booths			
EP-155	EU-155	½ Auto Coating Booth #25	09-A-577-S4
EP-156	EU-156	½ Auto Coating Booth #26	09-A-578-S4
EP-176	EU-176	½ Auto Coating Booth #32	09-A-587-S4
EP-177	EU-177	½ Auto Coating Booth #33	09-A-588-S3
EP-181	EU-181	½ Auto Coating Booth #35	09-A-592-S3
EP-182	EU-182	½ Auto Coating Booth #182	09-A-593-S3

Emission Point Number	Emission Unit Number	Emission Unit Description	IDNR Construction Permit Number
EP-195	EU-195	½ Auto Coating Booth #44	09-A-606-S3
EP-226	EU-226	½ Auto Coating Booth #55	11-A-189-S2
EP-232	EU-232	½ Auto Coating Booth #232	12-A-111-S1
EP-233	EU-233	½ Auto Coating Booth #233	12-A-112-S1
EP-234	EU-234	½ Auto Coating Booth #234	12-A-113-S1
EP-235	EU-235	½ Auto Coating Booth #235	12-A-114-S1
EP-130	EU-130	½ Auto Coating Booth #7	08-A-197-S6
EP-132	EU-132	½ Auto Coating Booth #8	08-A-199-S6
EP-134	EU-134	½ Auto Coating Booth #9	08-A-201-S6
EP-136	EU-136	½ Auto Coating Booth #10	08-A-357-S5
EP-137	EU-137	½ Auto Coating Booth #11	08-A-358-S5
EP-140	EU-140	½ Auto Coating Booth #13	08-A-361-S5
EP-141	EU-141	½ Auto Coating Booth #14	08-A-362-S5
EP-144	EU-144	½ Auto Coating Booth #16	08-A-365-S5
EP-145	EU-145	½ Auto Coating Booth #17	08-A-366-S5
EP-146	EU-146	½ Auto Coating Booth #18	08-A-367-S4
Pre-Finished Product Line Manual Coating Booths			
EP-118	EU-118	Manual Coating Booth #1	07-A-129-S8
EP-119	EU-119	Manual Coating Booth #2	07-A-130-S8
EP-121	EU-121	Manual Coating Booth #3	07-A-132-S8
EP-123	EU-123	Manual Coating Booth #4	07-A-992-S8
EP-125	EU-125	Manual Coating Booth #5	07-A-994-S8
EP-147	EU-147	Manual Coating Booth #19	09-A-569-S4
EP-203	EU-203	Manual Coating Booth #50	09-A-614-S4
EP-228	EU-228	Manual Coating Booth #56	11-A-206-S2
Vertical Line Drying Ovens			
EP-40	EU-40	Pretreatment Dry-off Oven	92-A-588-S7
EP-41	EU-41	Primer Bake Oven	92-A-589-S7
EP-42	EU-42	Top Coat Bake Oven	92-A-590-S7
Horizontal Line Drying Ovens			
EP-47	EU-47	Pretreatment Dry-off Oven	92-A-592-S6
EP-48	EU-48	Top Coat Bake Oven (Bypass Stack)	92-A-593-S6
Horizontal Line Paint Booths			
EP-35	EU-35	Paint Booth	92-A-606-S12
EP-37	EU-37	Paint Booth (Bypass Stack)	92-A-644-S12
EP-38	EU-38	Paint Booth (Bypass Stack)	92-A-608-S12
EP-68A	EU-68	Manual Touch-Up Paint Booth	92-A-645-S12
EP-68B			02-A-910-S7
EP-110	EU-110	Paint Booth	02-A-911-S6
Catalytic Oxidizer for Paint Lines			
EP-CO2	EU-37	Horizontal Line Paint Booth (Bypass Stack)	07-A-454
	EU-38	Horizontal Line Paint Booth (Bypass Stack)	
	EU-48	Horizontal Line Top Coat Bake Oven (Bypass Stack)	

Paint Spray Booths			
EP-3	EU-3	Paint/Lacquer Spray Booth	05-A-648-S1
EP-8	EU-8	Paint Spray Booth	00-A-181-S6
EP-52	EU-52	Paint Spray Booth - Maintenance Paint Booth	04-A-437-S3
Vertical Line Paint Booths			
EP-29	EU-29	Paint Spray Booth - Hardware Booth	92-A-596-S9
EP-31	EU-31	Vertical Line Paint Booth Stack	92-A-602-S8
EP-32	EU-32	Vertical Line Paint Booth Stack	92-A-603-S8
EP-33	EU-33	Vertical Line Paint Booth Stack	92-A-604-S9
EP-34	EU-34	Vertical Line Paint Booth Stack	92-A-605-S9
Pretreatment System			
EP-74A	EU-74A	Vertical Line Pretreatment System	04-A-1012-S2
EP-74B	EU-74B	Vertical Line Pretreatment System	04-A-1013-S2
EP-103	EU-103	Pretreatment System	01-A-1341-S1
EP-104	EU-104	Pretreatment System	01-A-1342-S2
Sanding Station			
EP-211	EU-211	Sanding Station	09-A-622
EP-212	EU-212	Sanding Station	09-A-635
EP-213	EU-213	Sanding Station	09-A-636
EP-214	EU-214	Sanding Station	09-A-637
EP-215	EU-215	Sanding Station	09-A-638
EP-216	EU-216	Sanding Station	09-A-639
EP-217	EU-217	Sanding Station	09-A-640
EP-218	EU-218	Sanding Station	09-A-641
EP-219	EU-219	Sanding Station	09-A-642
EP-220	EU-220	Sanding Station	09-A-643
EP-223	EU-223	Pre-Finish Sanding Station	10-A-517
Surface Coating Applications			
EP-229	EU-229	Surface Coating Booth	11-A-734
Surface Prep Units			
EP-160	EU-160	Surface Prep Area #2	08-A-204-S3
EP-161	EU-161	Surface Prep Area #3	08-A-205-S3
EP-162	EU-162	Surface Prep Area #4	08-A-206-S3
EP-163	EU-163	Surface Prep Area #5	08-A-207-S3
EP-167	EU-167	Surface Prep Area #9	08-A-211-S3
Door Plant Wood Treatment System			
EP-CO	EU-58	Wood Dip-Dry 1	98-A-872-P13
	EU-59	Wood Dip-Dry: DH Frame	
	EU-60	Wood Dip-Dry: DH Sash	
	EU-62	Wood Dip-Dry: DS Casement Frame	
	EU-63	Wood Dip-Dry: Casement Sash	
	EU-89	Wood Dip-Dry: Door 2	
	EU-96	Wood Dip-Dry: Casement Sash	
	EU-168	Wood Drying Box	
EU-169	Wood Dip-Dry: Door 3		
EP-58	EU-58	Wood Dip-Dry 1	17-A-466-P
EP-59	EU-59	Wood Dip-Dry: DH Frame (Bypass Stack)	92-A-559-P12
EP-60	EU-60	Wood Dip-Dry: DH Sash (Bypass Stack)	92-A-560-P12
EP-62	EU-62	Wood Dip-Dry: DS Casement Frame (Bypass Stack)	92-A-562-P11

EP-63	EU-63	Wood Dip-Dry: Casement Sash (Bypass Stack)	92-A-563-P12
EP-89	EU-89	Wood Dip-Dry: Door 2 (Bypass Stack)	17-A-467-P
EP-169	EU-169	Wood Dip-Dry: Door 3 (Bypass Stack)	17-A-468-P
Wood Dust System			
EP-19	EU-19	Wood Dust System	79-A-035-S4
EP-27	EU-27	Wood Dust System	92-A-582-S3
EP-28	EU-28	Old Mac Wood Dust System	92-A-583-S5
EP-30	EU-30	Wood Dust System	92-A-584-S4
EP-54	EU-54	Wood Dust System	92-A-585-S3
EP-55	EU-55	Wood Dust System	92-A-586-S3
EP-69	EU-69	Wood Dust System	98-A-386-S4
EP-71	EU-71	Wood Dust System	10-A-335
EP-72	EU-72	Wood Dust System	None
EP-86	EU-86	Wood Dust System	99-A-189-S3
EP-88	EU-88	Wood Dust System	00-A-017-S4
EP-102	EU-102	Wood Dust System	01-A-1234-S3
Other Units			
EP-7	EU-7	Wood Treating Stack/Vacuum Tank	Grandfathered
EP-39	EU-39	Hardware Batch Drying Oven	92-A-587-S4
EP-53	EU-53B	Sludge Dryer	90-A-156-S1
EP-76	EU-76	Hog-Wood Bin	01-A-995-S1
EP-77	EU-77	Sawdust Silo - Tech Tank	01-A-996-S1
EP-112	EU-112	Solvent Evaporation - Wood Treating and Drying	03-A-333-S1
EP-115	EU-115	Emergency Generator	04-A-1038
EP-117	EU-117	Welding	05-A-629-S1
EP-222	EU-222	Paint Hook Burn Off Oven	10-A-535
EP-51	EU-51	Surface Metal Grinding	88-A-209
EP-Fugitive1	EU-FUG1	Fugitive from Solvent Parts Washer	None
EP-Fugitive2	EU-FUG2	Sealant Application Fugitive Emissions	None
EP-Fugitive3	EU-FUG3	Fugitive from Heated Make Up Air	None
Insig.-3	Insig.-3	Emergency Generator (397 hp)	None
Insig.-4	Insig.-4	Emergency Fire Pump (75 hp)	None

Insignificant Activities Equipment List

Insignificant Emission Unit Number	Insignificant Emission Unit Description
EU-81	Wood Preservative Storage Tank
EU-82	Wood Preservative Drain Tank
INSIG.-1	Indoor Wood Dust Collection System
INSIG.-2	Combustion Unit (Various Heaters for Plant Heating)
INSIG.-5	Aboveground Storage Tank
INSIG.-6	Aboveground Storage Tank
INSIG.-7	Aboveground Storage Tank
INSIG.-8	Solvent Based Parts Cleaning or Washing
INSIG.-9	Welding, Like Process
INSIG.-11	Fugitive Emissions from Dip/Dry Parts
INSIG.-13	Non-Process Air Make-Up Units (9 units total)
INSIG.-14	Can Puncture Station

II. Plant-Wide Conditions

Facility Name: Pella Corporation – Pella Division

Permit Number: 00-TV-030R3

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

Permit Duration

The term of this permit is: Five years from permit issuance

Commencing on: March 6, 2018

Ending on: March 5, 2023

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

Emission Limits

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

Opacity (visible emissions): 40% opacity

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

Sulfur Dioxide (SO₂): 500 parts per million by volume

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

Particulate Matter:

No person shall cause or allow the emission of particulate matter from any source in excess of the emission standards specified in this chapter, except as provided in 567 – Chapter 24. For sources constructed, modified or reconstructed on or after July 21, 1999, the emission of particulate matter from any process shall not exceed an emission standard of 0.1 grain per dry standard cubic foot of exhaust gas, except as provided in 567 – 21.2(455B), 23.1(455B), 23.4(455B) and 567 – Chapter 24.

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

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

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

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

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

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

40 CFR 60 Subpart A Requirements

This facility is an affected source and these General Provisions apply to the facility. The affected unit is EP-49.

See Appendix for the link of the Standard.

Authority for Requirement: 40 CFR 60 Subpart A
567 IAC 23.1(2)

40 CFR 60 Subpart Dc Requirements

This facility is subject to Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units. The affected unit is EP-49.

See Appendix for the link of the Standard.

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

40 CFR 63 Subpart A Requirements

This facility is an affected source and these General Provisions apply to the facility. The affected units are the units subject to NESHAP Subpart Mmmm, Subpart Pppp and Subpart Qqqq.

See Appendix for the link of the Standard.

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

40 CFR 63 Subpart Mmmm Requirements

This facility is subject to National Emission Standard for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products. The affected units are EP-CO2, Drying Ovens (EP-39, EP-40, EP-41, EP-42, EP-47, EP-48), Paint Booths (EP-8, EP-29, EP-31, EP-32, EP-33, EP-34, EP-35, EP-37, EP-38, EP-68A, EP-68B, EP-110, EP-229, and EP-230).

See Appendix B for the link of the Standard.

Authority for Requirement: 40 CFR 63 Subpart Mmmm
567 IAC 23.1(4)"cm"

40 CFR 63 Subpart Pppp Requirements

This facility is subject to National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products. The affected units are EP-229 and EP-230.

See Appendix for the link of the Standard.

Authority for Requirement: 40 CFR 63 Subpart Pppp
567 IAC 23.1(4)"cp"

40 CFR 63 Subpart Qqqq Requirements

This facility is subject to National Emission Standard for Hazardous Air Pollutants: Surface Coating of Wood Building Products. The affected units are Ovens (EP-120, EP-122, EP-124, EP-126, EP-131, EP-133, EP-135, EP-173, EP-174, EP-179, EP-180, EP-183, EP-199, EP-205, EP-227, EP-236 and EP-237, EP-139, EP-143), Spray, Painting, Surface Coating Booths (EP-147, EP-203, EP-228, EP-155, EP-156, EP-176, EP-177, EP-181, EP-182, EP-195, EP-226, EP-232, EP-233, EP-234, EP-235, EP-119, EP-3, EP-132, EP-136, EP-137, EP-140, EP-141, EP-144, EP-145, EP-146, EP-118, EP-121, EP-123, EP-125, EP-130, EP-134, EP-229, EP-160, EP-161, EP-162, EP-163, EP-167), and Wood Treating Units (EP-169, EP-62, EP-63, EP-59, EP-60, EP-230, EP-CO, EP-58, EP-89, and EP-112).

See Appendix for the link of the Standard.

Authority for Requirement: 40 CFR 63 Subpart Qqqq
567 IAC 23.1(4)"cq"

40 CFR 63 Subpart Zzzz Requirements

This facility is subject to National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines (RICE NESHAP) [40 CFR Part 63 Subpart Zzzz].

The affected units are EP-115, Insig.-3, and Insig.-4.

See Appendix for the link of the Standard.

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

40 CFR 63 Subpart DDDDD Requirements

This facility is subject to National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters (Boiler MACT) [40 CFR Part 63 Subpart DDDDD]. The affect units are EP-2, EP-14, EP-16, and EP-49.

See Appendix for the link of the Standard.

Authority for Requirement: 40 CFR 63 Subpart DDDDD

III. Emission Point-Specific Conditions

Facility Name: Pella Corporation – Pella Division
 Permit Number: 00-TV-030R3

Emission Point ID Number: EP-2, EP-14, EP-16, EP-49

Associated Equipment

Table Boilers-1

EP	EU	Emission Unit Description	Raw Material	Rated Capacity (MMBtu/hr)	Construction Permit Number
EP-2	EU-2	Boiler #2	Natural Gas	8.37	04-A-1010-S3
EP-14	EU-3	Boiler #3	Natural Gas	14.65	04-A-1011-S3
EP-16	EU-14	Boiler #4	Natural Gas	14.65	01-A-994-S5
EP-49	EU-49	Boiler #6	Natural Gas	22.6	88-A-186-S4

Applicable Requirements

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

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

Table Boilers-2

EP	EU	Opacity	PM10 (lb/hr)	PM (lbs/MMBtu)	Sulfur Dioxide (SO ₂) (lb/hr)	Sulfur Dioxide (SO ₂) (ppmv)	Nitrogen Oxides (NO _x) (lb/hr)	Construction Permit Number
EP-2	EU-2	40% ⁽¹⁾⁽²⁾	0.50	0.6 ⁽³⁾	N/A	500 ⁽⁵⁾	N/A	04-A-1010-S3
EP-14	EU-3	40% ⁽¹⁾⁽²⁾	0.88	0.6 ⁽³⁾	N/A	500 ⁽⁵⁾	N/A	04-A-1011-S3
EP-16	EU-14	40% ⁽¹⁾⁽²⁾	0.11	0.6 ⁽³⁾	N/A	500 ⁽⁵⁾	N/A	01-A-994-S5
EP-49	EU-49	40% ⁽¹⁾⁽²⁾	1.2	0.6 ⁽³⁾	1.07	500 ⁽⁵⁾	3.0	88-A-186-S4

⁽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).

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

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

⁽⁴⁾Authority for Requirement: 567 IAC 23.3(3)"e"

Additional Emission Limit for EP-49

Pollutant: Particulate Matter (PM)

Emission Limit(s): 1.2 lb/hr

Authority for Requirement: DNR Construction Permit 88-A-186-S4

Operating Requirements with Associated Monitoring and Recordkeeping

The owner/operator of this equipment shall comply with the operational limits and requirements listed below. All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. Boiler #2 (EU-2), Boiler #3 (EU-3), Boiler #4 (EU-16), Boiler #6 (EU-49) shall combust natural gas fuel only.
 - i. The owner or operator shall maintain monthly purchase records to identify the type of fuel combusted in Boiler #2 (EU-2), Boiler #3 (EU-3), Boiler #4 (EU-16).
 - ii. As specified in 40 CFR Part 60 §60.48c (g) (2), the owner or operator of Natural Gas Boiler #6 (EU49) shall record and maintain records of the amount of each fuel combusted during each calendar month.

Authority for Requirement: DNR Construction Permits listed in Table Boilers-1

NSPS and NESHAP Applicability

These emission units are subject to the National Emission Standards for Hazardous Air Pollutants for *Industrial, Commercial and Institutional Boilers and Process Heaters* [40 CFR Part 63 Subpart DDDDD], and 40 CFR Part 63 Subpart A – *General Provisions*.

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

Boiler #6 (EU-49 is subject to 40 CFR Part 60, Subpart Dc – *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units*, and 40 CFR Part 60 Subpart A – *General Provisions*.

Authority for Requirement: DNR Construction Permit 88-A-186-S4
40 CFR Part 60 Subpart Dc
567 IAC 23.1(2)"III"
40 CFR Part 60 Subpart A
567 IAC 23.1(2)

Emission Point Characteristics

The emission points shall conform to the specifications listed below.

Table Boilers-3

	Stack Height (ft, from the ground)	Stack Opening (dia. inch)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style	Authority for Requirement DNR Construction Permit
EP-2	37	16	1,320	350	Vertical Obstructed	04-A-1010-S3
EP-14	36	19	2,606	350	Vertical Obstructed	04-A-1011-S3

	Stack Height (ft, from the ground)	Stack Opening (dia. inch)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style	Authority for Requirement DNR Construction Permit
EP-16	36	21	2,620	350	Vertical Obstructed	01-A-994-S5
EP-49	45	32	14,400	450	Vertical Unobstructed	88-A-186-S4

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: Pre-Finished Product Line Electric Ovens

Associated Equipment

Table Electric Ovens-1

EP	EU	Emission Unit Description	Raw Material	Rated Capacity (kW)	DNR Construction Permit Number
EP-120	EU-120	Pre-finished Product Line Electric Oven #1	Electricity	40	07-A-131-S8
EP-122	EU-122	Pre-finished Product Line Electric Oven #2	Electricity	40	07-A-133-S8
EP-124	EU-124	Pre-finished Product Line Electric Oven #3	Electricity	83	07-A-993-S6
EP-126	EU-126	Pre-finished Product Line Electric Oven #4	Electricity	83	07-A-995-S7
EP-131	EU-131	Pre-finished Product Line Electric Oven #5	Electricity	175	08-A-198-S5
EP-133	EU-133	Pre-finished Product Line Electric Oven #7	Electricity	72	08-A-200-S6
EP-135	EU-135	Pre-finished Product Line Electric Oven #8	Electricity	120	08-A-202-S5
EP-173	EU-173	Pre-finished Product Line Electric Oven	Electricity	175	09-A-584-S3
EP-174	EU-174	Pre-finished Product Line Electric Oven	Electricity	56	09-A-585-S2
EP-179	EU-179	Pre-finished Product Line Electric Oven	Electricity	56	09-A-590-S3
EP-180	EU-180	Pre-finished Product Line Electric Oven	Electricity	120	09-A-591-S3
EP-183	EU-183	Pre-finished Product Line Electric Oven	Electricity	120	09-A-594-S2
EP-199	EU-199	Pre-finished Product Line Electric Oven	Electricity	56	09-A-610-S2
EP-205	EU-205	Pre-finished Product Line Electric Oven	Electricity	29	09-A-616-S3
EP-227	EU-227	Pre-finished Product Line Electric Oven	Electricity	120	11-A-190-S2
EP-236	EU-236	Pre-finished Product Line Electric Oven	Electricity	175	12-A-115-S1
EP-237	EU-237	Pre-finished Product Line Electric Oven	Electricity	175	12-A-116-S1
EP-139	EU-139a	Pre-finished Product Line Electric Oven	Electricity	120	08-A-360-S4
	EU-139b	Pre-finished Product Line Electric Oven	Electricity	56	
EP-143	EU-143a	Pre-finished Product Line Electric Oven	Electricity	34	08-A-364-S4
	EU-143b	Pre-finished Product Line Electric Oven	Electricity	19	

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.

Table Electric Ovens-2

Pollutant	Emission Limits	Authority of Requirement
Opacity	40% ⁽¹⁾	DNR construction permits listed in Table Electric Ovens-1 567 IAC 23.3(2) "d"
PM ₁₀	0.005 lb/hr	DNR construction permits listed in Table Electric Ovens-1
PM	0.005 lb/hr	DNR construction permits listed in Table Electric Ovens-1
PM	0.1 gr/dscf	DNR construction permits listed in Table Electric Ovens-1 567 IAC 23.3(2) "a"

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

Pollutant: Volatile Organic Compounds

Emission Limit(s): 39.4 tons/yr ⁽²⁾

Authority for Requirement: DNR Construction Permit listed in Table Electric Ovens-1

⁽²⁾ Bubble emission limit for the Pre-finished Product Line Group – **See Appendix B** for a list of emission units in the group.

Other Emission Limits – National Emission Standards for Hazardous Air Pollutants

Table Electric Ovens-3

EP	EU	Total Organic HAP	Authority for Requirement
EP-120	EU-120	1.93 lb organic HAP/gal coating solids	DNR Construction permits listed in Table Electric Ovens-1 40 CFR Part 63 Subpart QQQQ 567 IAC 23.1(4)"cq"
EP-122	EU-122	1.93 lb organic HAP/gal coating solids	
EP-124	EU-124	1.93 lb organic HAP/gal coating solids	
EP-126	EU-126	1.93 lb organic HAP/gal coating solids	
EP-131	EU-131	1.93 lb organic HAP/gal coating solids	
EP-133	EU-133	1.93 lb organic HAP/gal coating solids	
EP-135	EU-135	1.93 lb organic HAP/gal coating solids	
EP-173	EU-173	1.93 lb organic HAP/gal coating solids	
EP-174	EU-174	1.93 lb organic HAP/gal coating solids	
EP-179	EU-179	1.93 lb organic HAP/gal coating solids	
EP-180	EU-180	1.93 lb organic HAP/gal coating solids	
EP-183	EU-183	1.93 lb organic HAP/gal coating solids	
EP-199	EU-199	1.93 lb organic HAP/gal coating solids	
EP-205	EU-205	1.93 lb organic HAP/gal coating solids	
EP-227	EU-227	1.93 lb organic HAP/gal coating solids	
EP-236	EU-236	1.93 lb organic HAP/gal coating solids	
EP-237	EU-237	1.93 lb organic HAP/gal coating solids	
EP-139	EU-139a	1.93 lb organic HAP/gal coating solids	
	EU-139b	1.93 lb organic HAP/gal coating solids	
EP-143	EU-143a	1.93 lb organic HAP/gal coating solids	
	EU-143b	1.93 lb organic HAP/gal coating solids	

Operational Limits & Requirements

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

Operating Limits – General

- A. The emission units listed in Attachment A ⁽¹⁾ of this permit shall collectively be referred to as the “Pre-Finished Product Line Group” for the purposes of this permit.
- B. The owner or operator shall operate and maintain the emission units in the Pre-Finished Product Line Group according to the provisions in 40 CFR §63.6(e)(1)(i) as per the compliance requirements of 40 CFR §63.4700(b).

⁽¹⁾ See Appendix B

Operating Limits – Volatile Organic Compounds (VOC)

- C. The VOC content of any material (coatings, thinners, cleaning materials, etc.) used in the Pre-Finished Product Line Group surface coating operation shall not exceed 1.17 pounds per gallon, except for 60 gallons per year of a higher VOC-content thickening compound.
- D. The owner or operator shall ensure that the operation of the emission units in the Pre-Finished Product Line Group does not cause the exceedance of the VOC bubble emission limit of 39.4 tons per each rolling twelve-month period as required in this permit (see Emission Limitations section).

Operating Limits – Hazardous Air Pollutants (HAP)

- E. As indicated in Table 2 to Subpart QQQQ of Part 63 and in accordance with 40 CFR §63.4690(b), the owner or operator shall limit organic HAP emissions from the Pre-Finished Product Line Group surface coating operation in the “*Doors, windows, and miscellaneous*” subcategory to no more than 1.93 pounds organic HAP per gallon of solids used, determined as a rolling 12-month emission rate.
- F. As specified in 40 CFR §63.4691, the owner or operator shall include all coatings, thinners, and cleaning materials used in the Pre-Finished Product Line Group surface coating operation when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit of 1.93 pounds organic HAP per gallon of solids. To make this determination, the owner or operator shall use at least one of the compliance options listed in 40 CFR §63.4691 and allowed by this permit (see Operating Limits condition G below).
- G. The owner or operator may use the *Compliant Material Option* as specified in 40 CFR §63.4691(a) or the *Emission Rate without Add-on Controls Option* as specified in 40 CFR §63.4691(b); however, prior to implementing the *Emission Rate with Add-on Controls Option* as specified in 40 CFR §63.4691(c), the owner or operator must submit a request to the Department to modify the construction permits.
- H. The use of the compliance options described in 40 CFR §63.4691 shall adhere to the following guidelines:
 - i. The owner or operator may apply any of the compliance options allowed by this permit to an individual coating operation, or to multiple coating operations as a group, or to the entire affected source.
 - ii. The owner or operator may use different compliance options for different coating operations or at different times on the same coating operation.
 - iii. The owner or operator may employ different compliance options when different coatings are applied to the same part or when the same coating is applied to different parts.
 - iv. However, the owner or operator may not use different compliance options at the same time on the same coating operation.
 - v. If the owner or operator switches between compliance options for the Pre-Finished Product Line Group surface coating operation, this switch shall be recorded as required by 40 CFR §63.4730(c) and reported as required in 40 CFR §63.4720.
- I. As indicated in 40 CFR §63.4700(a)(1), any coating operation for which the Compliant Material Option or the Emission Rate without Add-on Controls Option is used must be in compliance with the applicable emission limit in §63.4690 at all times.

Reporting and 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. Records shall be legible and maintained in an orderly manner.

Reporting and Recordkeeping – General

- A. The owner or operator shall comply with the applicable requirements in 40 CFR Part 63, Subpart QQQQ – *National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products* [§63.4680 - §63.4781], including those not specifically mentioned in this permit. If differences in language are found between this permit and Subpart QQQQ, the language specified in Subpart QQQQ shall be considered correct.
- B. The owner or operator shall comply with the applicable requirements in 40 CFR Part 63, Subpart A – *General Provisions* [§63.1 - §63.15], except as indicated in Table 4 to Subpart QQQQ of Part 63.
- C. The owner or operator shall maintain manufacturer and vendor provided information (Safety Data Sheets (SDS), technical data sheets, etc.) for all materials used in the Pre-Finished Product Line Group surface coating operation.

Reporting and Recordkeeping – Volatile Organic Compounds (VOC)

- D. The owner or operator shall maintain daily records of the number of gallons of material (coatings, thinners, cleaning material, etc.) used in the Pre-Finished Product Line Group surface coating operation.
- E. The owner or operator shall maintain daily records on the identification and the VOC content (pounds per gallon) for each material (coatings, thinners, cleaning material, etc.) used in the Pre-Finished Product Line Group surface coating operation.
- F. At the end of each month, the owner or operator shall record the total amount of VOC, in tons, emitted from the Pre-Finished Product Line Group surface coating operation over the previous month.
- G. At the end of each month, the owner or operator shall record the total amount of VOC, in tons, emitted from the Pre-Finished Product Line Group surface coating operation over the previous 12 months.
- H. The owner or operator shall implement the following procedure if the 12-month rolling total of VOC emitted from the Pre-Finished Product Line Group surface coating operation exceeds 31.5 tons (80 percent of the VOC bubble emission limit).
 - i. At the end of each day, the owner or operator shall calculate and record the total amount of VOC, in tons, emitted from the Pre-Finished Product Line Group surface coating operation over the previous day.
 - ii. At the end of each day, the owner or operator shall calculate and record the total amount of VOC, in tons, emitted from the Pre-Finished Product Line Group surface coating operation over the previous 365 days.
 - iii. Calculation and recordkeeping of VOC emissions from data collected on Saturdays and Sundays shall be conducted on Mondays.
 - iv. Calculation and recordkeeping of VOC emissions shall not be required when emissions do not occur.

- v. Daily calculations and recordkeeping of VOC emissions as specified in this permit condition shall continue until the rolling 12-month total amount drops below 31.5 tons on the last day of the month. Monthly calculations of VOC emissions shall then begin in the following month.
- I. Should the facility (Plant No. 63-02-003) choose to take credit for waste shipped off-site, the owner or operator shall record the time and amount of waste shipped off-site and maintain a record that documents the VOC content of the waste. The credit may be subtracted from the VOC rolling total in the month of the date the waste is shipped off-site.

Recording and Recordkeeping – Hazardous Air Pollutants (HAP)

- J. The owner or operator shall demonstrate continuous compliance with the organic HAP emission rate limit of 1.93 pounds organic HAP per gallon of solids by following the applicable procedure specified in 40 CFR §63.4742 (*Compliant Material Option*) or §63.4752 (*Emission Rate without Add-on Controls Option*).
- K. The owner or operator shall document how the compliance options described in 40 CFR §63.4691 are being applied to determine the organic HAP emission rate from the Pre-Finished Product Line Group surface coating operation.
- L. The owner or operator shall submit the applicable notifications and reports as required by 40 CFR §63.4710 and §63.4720, respectively.
- M. The owner or operator shall maintain records as specified in 40 CFR §63.4730. This includes, but it is not limited to, the following records and documentation:
 - i. A copy of each notification and report submitted to comply with Subpart QQQQ of Part 63 and the documentation supporting each notification and report.
 - ii. A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data or test data used to determine the mass fraction of organic HAP and density for each coating, thinner, cleaning material, etc.
 - iii. If testing was conducted to determine mass fraction of organic HAP, density, or volume fraction of coating solids, the owner or operator shall keep a copy of the complete test report.
 - iv. If the information provided by the manufacturer or supplier of the material was based on testing, the owner or operator shall keep the summary sheet of results provided by the manufacturer or supplier. The owner or operator is not required to obtain the test report for other supporting documentation from the manufacturer or supplier.
 - v. For each compliance period:
 - 1. A record of the coating operations at which the owner or operator used each compliance option and the time periods (beginning and ending dates and times) that each option was used.
 - 2. If the owner or operator uses the *Compliant Material Option*, a record of the calculation of the organic HAP content for each coating, using Equation 2 of §63.4741.
 - 3. If the owner or operator uses the *Emission Rate without Add-on Controls Option*,
 - a. A record of the calculation of the total mass of organic HAP emissions for the coatings, thinners, cleaning materials, etc. used each month, using Equations 1, 1A through 1C, and 2 of

- §63.4751;
 - b. If applicable, a record of the calculation used to determine mass of organic HAP in waste materials according to §63.4751(e)(4);
 - c. A record of the calculation of the total volume of coating solids used each month, using Equation 2 of §63.4751; and
 - d. A record of the calculation of each 12-month organic HAP emission rate, using Equation 3 of §63.4751.
 - vi. A record of the name and volume of each coating, thinner, cleaning material, etc. used during each compliance period.
 - vii. A record of the mass fraction of organic HAP for each coating, thinner, cleaning material, etc. used during each compliance period.
 - viii. A record of the volume fraction of coating solids for each coating used during each compliance period.
 - ix. A record of the density for each coating used during each compliance period.
 - x. If the owner or operator uses the Emission Rate without Add-on Controls Option, a record of the density for each thinner, cleaning material, etc. used during each compliance period.
 - xi. Records of the date, time, and duration of each deviation as defined in 40 CFR §63.4781.
- N. If the facility (Plant No. 63-02-003) uses an allowance in Equation 1 of §63.4751 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to §63.4751(e)(4), the owner or operator shall comply with the recordkeeping requirements in §63.4730(h).

NSPS and NESHAP Applicability

This facility (Plant No. 63-02-003) is subject to the requirements in 40 CFR Part 63, Subpart QQQQ – *National Emissions Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products* [567 IAC 23.1(4)“cq”], because it owns and operates a new, reconstructed, or existing surface coating operation as defined in 40 CFR §63.4781 and in accordance with 40 CFR §63.4682 that uses 1,100 gallons per year, or more, of coatings; that belongs in the “*Doors, windows, and miscellaneous*” subcategory as described in 40 CFR §63.4681(a)(1); and that is a major source, is located at a major source, or is part of a major source of emissions of hazardous air pollutants.

In addition, any affected emission unit at this facility (Plant No. 63-02-003) is subject to the requirements in 40 CFR Part 63, Subpart A – *General Provisions* [567 IAC 23.1(4)“a”], except as indicated in Table 4 to Subpart QQQQ of Part 63.

Authority for Requirement: DNR Construction Permits listed in Table Electric Ovens-1
 40 CFR Part 63 Subpart QQQQ
 567 IAC 23.1(4)“cq”
 40 CFR Part 63 Subpart A
 567 IAC 23.1.(4)“a”

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

Table Electric Ovens-4

	Stack Height (ft, from the ground)	Stack Opening (dia. inch)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style	Authority for Requirement DNR Construction Permit
EP-120	33	10	460-1325	120	Vertical Unobstructed	07-A-131-S8
EP-122	33	10	460-1325	120	Vertical Unobstructed	07-A-133-S8
EP-124	32	12	660	120	Vertical Unobstructed	07-A-993-S6
EP-126	32	12	460-1325	120	Vertical Unobstructed	07-A-995-S7
EP-131	40	12	460-1325	120	Vertical Unobstructed	08-A-198-S5
EP-133	38	10	460-1325	120	Vertical Obstructed	08-A-200-S6
EP-135	33.5	12	460-1325	120	Vertical Unobstructed	08-A-202-S5
EP-173	32	12	460-1325	120	Vertical Unobstructed	09-A-584-S3
EP-174	32	12	460-1325	120	Vertical Unobstructed	09-A-585-S2
EP-179	32	12	460-1325	120	Vertical Unobstructed	09-A-590-S3
EP-180	32	12	460-1325	120	Vertical Unobstructed	09-A-591-S3
EP-183	37.5	12	460-1325	120	Vertical Unobstructed	09-A-594-S2
EP-199	37.5	12	460-1325	120	Vertical Unobstructed	09-A-610-S2
EP-205	37	10	460-1325	120	Vertical Unobstructed	09-A-616-S3
EP-227	33	12	460-1325	120	Vertical Obstructed	11-A-190-S2
EP-236	32	12	457-914	120	Vertical Unobstructed	12-A-115-S1
EP-237	32	12	457-914	120	Vertical Unobstructed	12-A-116-S1
EP-139	32	12	460-1325	120	Vertical Unobstructed	08-A-360-S4
EP-143	30	12	460-1325	120	Vertical Unobstructed	08-A-364-S4

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-230

Associated Equipment

Associated Emission Unit ID Numbers: EU-230

Emission Unit vented through this Emission Point: EU-230
Emission Unit Description: Entry Door Curing Oven
Raw Material/Fuel: Natural Gas
Rated Capacity: 5.5 MMBtu/hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

Authority for Requirement: DNR Construction Permit 11-A-735
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM₁₀)

Emission Limit(s): 0.005 lb/hr

Authority for Requirement: DNR Construction Permit 11-A-735

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.005 lb/hr; 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 11-A-735
567 IAC 23.3(2)"d"

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 5.0 tons/yr

Authority for Requirement: DNR Construction Permit 11-A-735

Operational Limits & Requirements

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

See EP-229 for additional requirements.

Authority for Requirement: DNR Construction Permit 11-A-735

NSPS and NESHAP Applicability

NESHAP Subpart A – General Provisions

Subpart QQQQ – National Emission Standard for Hazardous Air Pollutants: Surface Coating of Wood Building Products

NESHAP Subpart MMMM – National Emission Standard for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products

NESHAP Subpart PPPP– National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products

Authority for Requirement: DNR Construction Permit 11-A-735
40 CFR Part 63 Subpart QQQQ
567 IAC 23.1(4)"cq"
40 CFR Part 63 Subpart MMMM
567 IAC 23.1(4)"cm"
40 CFR Part 63 Subpart PPPP
567 IAC 23.1(4)"cp"
40 CFR Part 63 Subpart A
567 IAC 23.1(4)"a"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

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

Stack Opening, (inches, dia.): 12

Exhaust Flow Rate (scfm): 457 - 914

Exhaust Temperature (°F): 120

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 11-A-735

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: Pre-Finish Product Line 1/2 Auto Surface Coating Booths

Associated Equipment

Table 1/2 Auto Coating Booths-1

EP	EU	Emission Unit Description	Raw Material	Rated Capacity (gal/hr)
EP-155	EU-155	1/2 Auto Coating Booth #25 (4 HVLP guns)	Paint, Stain, Vanish	6.5 (each gun)
EP-156	EU-156	1/2 Auto Coating Booth #26 (4 HVLP guns)	Paint, Stain, Vanish	6.5 (each gun)
EP-176	EU-176	1/2 Auto Coating Booth #32 (4 HVLP guns)	Paint, Stain, Vanish	6.5 (each gun)
EP-177	EU-177	1/2 Auto Coating Booth #33 (4 guns)	Paint, Stain, Vanish	6.5 (each gun)
EP-181	EU-181	1/2 Auto Coating Booth #35 (4 HVLP guns)	Paint, Stain, Vanish	6.5 (each gun)
EP-182	EU-182	1/2 Auto Coating Booth #36 (4 HVLP guns)	Paint, Stain, Vanish	6.5 (each gun)
EP-195	EU-195	1/2 Auto Coating Booth #44 (4 HVLP guns)	Paint, Stain, Vanish	6.5 (each gun)
EP-226	EU-226	1/2 Auto Coating Booth #55 (4 HVLP guns)	Paint, Stain, Vanish	6.5 (each gun)
EP-232	EU-232	1/2 Auto Coating Booth #232 (4 HVLP guns)	Paint, Stain, Vanish	6.5 (each gun)
EP-233	EU-233	1/2 Auto Coating Booth #233 (4 HVLP guns)	Paint, Stain, Vanish	6.5 (each gun)
EP-234	EU-234	1/2 Auto Coating Booth #234 (4 HVLP guns)	Paint, Stain, Vanish	6.5 (each gun)
EP-235	EU-235	1/2 Auto Coating Booth #235 (4 HVLP guns)	Paint, Stain, Vanish	6.5 (each gun)
EP-130	EU-130	1/2 Auto Coating Booth #7 (4 HVLP guns)	Paint, Stain, Vanish	6.5 (each gun)
EP-132	EU-132	1/2 Auto Coating Booth #8 (4 HVLP guns)	Paint, Stain, Vanish	6.5 (each gun)
EP-134	EU-134	1/2 Auto Coating Booth #9 (4 HVLP guns)	Paint, Stain, Vanish	6.5 (each gun)
EP-136	EU-136	1/2 Auto Coating Booth #10 (4 HVLP guns)	Paint, Stain, Vanish	6.5 (each gun)
EP-137	EU-137	1/2 Auto Coating Booth #11 (4 HVLP guns)	Paint, Stain, Vanish	6.5 (each gun)
EP-140	EU-140	1/2 Auto Coating Booth #13 (4 HVLP guns)	Paint, Stain, Vanish	6.5 (each gun)
EP-141	EU-141	1/2 Auto Coating Booth #14 (4 HVLP guns)	Paint, Stain, Vanish	6.5 (each gun)
EP-144	EU-144	1/2 Auto Coating Booth #16 (4 HVLP guns)	Paint, Stain, Vanish	6.5 (each gun)

EP-145	EU-145	½ Auto Coating Booth #17 (4 HVLP guns)	Paint, Stain, Vanish	6.5 (each gun)
EP-146	EU-146	½ Auto Coating Booth #18 (4 HVLP guns)	Paint, Stain, Vanish	6.5 (each gun)

Table ½ Auto Coating Booths-2

EP	EU	Emission Unit Description	CE & Description	DNR Construction Permit Number
EP-155	EU-155	½ Auto Coating Booth #25	CE-155/Dry Filter	09-A-577-S4
EP-156	EU-156	½ Auto Coating Booth #26	CE-156/Dry Filter	09-A-578-S4
EP-176	EU-176	½ Auto Coating Booth #32	CE-176/Dry Filter	09-A-587-S4
EP-177	EU-177	½ Auto Coating Booth #33	CE-177/Dry Filter	09-A-588-S3
EP-181	EU-181	½ Auto Coating Booth #35	CE-181/Dry Filter	09-A-592-S3
EP-182	EU-182	½ Auto Coating Booth #36	CE-182/Dry Filter	09-A-593-S3
EP-195	EU-195	½ Auto Coating Booth #44	CE-195/Dry Filter	09-A-606-S3
EP-226	EU-226	½ Auto Coating Booth #55	CE-226/Dry Filter	11-A-189-S2
EP-232	EU-232	½ Auto Coating Booth #232	CE-232/Dry Filter	12-A-111-S1
EP-233	EU-233	½ Auto Coating Booth #233	CE-233/Dry Filter	12-A-112-S1
EP-234	EU-234	½ Auto Coating Booth #234	CE-234/Dry Filter	12-A-113-S1
EP-235	EU-235	½ Auto Coating Booth #235	CE-235/Dry Filter	12-A-114-S1
EP-130	EU-130	½ Auto Coating Booth #7	CE-130/Dry Filter	08-A-197-S6
EP-132	EU-132	½ Auto Coating Booth #8	CE-132/Dry Filter	08-A-199-S6
EP-134	EU-134	½ Auto Coating Booth #9	CE-134/Dry Filter	08-A-201-S6
EP-136	EU-136	½ Auto Coating Booth #10	CE-136/Dry Filter	08-A-357-S5
EP-137	EU-137	½ Auto Coating Booth #11	CE-137/Dry Filter	08-A-358-S5
EP-140	EU-140	½ Auto Coating Booth #13	CE-140/Dry Filter	08-A-361-S5
EP-141	EU-141	½ Auto Coating Booth #14	CE-141/Dry Filter	08-A-362-S5
EP-144	EU-144	½ Auto Coating Booth #16	CE-144/Dry Filter	08-A-365-S5
EP-145	EU-145	½ Auto Coating Booth #17	CE-145/Dry Filter	08-A-366-S5
EP-146	EU-146	½ Auto Coating Booth #18	CE-146/Dry Filter	08-A-367-S4

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.

½ Auto Coating Booths-3

Pollutant	Emission Limits	Authority of Requirement
Opacity	40% ⁽¹⁾	DNR construction permits listed in Table ½ Auto Coating Booths-2 567 IAC 23.3(2) "d"
PM10	0.03 lb/hr	DNR construction permits listed in Table ½ Auto Coating Booths-2
PM	0.03 lb/hr	DNR construction permits listed in Table ½ Auto Coating Booths-2

Pollutant	Emission Limits	Authority of Requirement
PM	0.01 gr/dscf	DNR construction permits listed in Table ½ Auto Coating Booths-2 567 IAC 23.4(13)

⁽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: Volatile Organic Compounds

Emission Limit(s): 39.4 tons/yr ⁽²⁾

Authority for Requirement: DNR Construction Permit listed in Table ½ Auto Coating Booths-2, except 09-A-588-S3

⁽²⁾ Bubble emission limit for the Pre-finished Product Line Group – See **Appendix B** for a list of emission units in the group.

Other Emission Limits – National Emission Standards for Hazardous Air Pollutants

½ Auto Coating Booths-4

EP	EU	Total Organic HAP	Authority for Requirement
EP-155	EU-155	1.93 lb organic HAP/gal coating solids	DNR construction permits listed in Table ½ Auto Coating Booths-2, except 09-A-588-S3 40 CFR Part 63 Subpart QQQQ 567 IAC 23.1(4) "cq"
EP-156	EU-156	1.93 lb organic HAP/gal coating solids	
EP-176	EU-176	1.93 lb organic HAP/gal coating solids	
EP-177	EU-177	1.93 lb organic HAP/gal coating solids	
EP-181	EU-181	1.93 lb organic HAP/gal coating solids	
EP-182	EU-182	1.93 lb organic HAP/gal coating solids	
EP-195	EU-195	1.93 lb organic HAP/gal coating solids	
EP-226	EU-226	1.93 lb organic HAP/gal coating solids	
EP-232	EU-232	1.93 lb organic HAP/gal coating solids	
EP-233	EU-233	1.93 lb organic HAP/gal coating solids	
EP-234	EU-234	1.93 lb organic HAP/gal coating solids	
EP-235	EU-235	1.93 lb organic HAP/gal coating solids	
EP-130	EU-130	1.93 lb organic HAP/gal coating solids	
EP-132	EU-132	1.93 lb organic HAP/gal coating solids	
EP-134	EU-134	1.93 lb organic HAP/gal coating solids	
EP-136	EU-136	1.93 lb organic HAP/gal coating solids	
EP-137	EU-137	1.93 lb organic HAP/gal coating solids	
EP-140	EU-140	1.93 lb organic HAP/gal coating solids	
EP-141	EU-141	1.93 lb organic HAP/gal coating solids	
EP-144	EU-144	1.93 lb organic HAP/gal coating solids	
EP-145	EU-145	1.93 lb organic HAP/gal coating solids	
EP-146	EU-146	1.93 lb organic HAP/gal coating solids	

Operational Limits & Requirements

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

Operating Limits for EP-177

- A. The VOC content of any coating material (e.g. primer, stain, clearcoat, topcoat, thickener) used in all surface coating operation associated with the pre-finished product line shall not exceed 1.70 pounds per gallon as applied.
- B. The amount of any coating material (e.g. primer, stain, clearcoat, topcoat, thickener) with a VOC content less than or equal to 0.33 pounds per gallon used in the pre-finished product line shall not exceed 40,000 gallons per twelve (12) month rolling period, rolled monthly.
- C. The amount of any coating material (e.g. primer, stain, clearcoat, topcoat, thickener) with a VOC content greater than 0.33 pounds per gallon and less than or equal to 0.56 pounds per gallon used in the pre-finished product line shall not exceed 17,000 gallons per twelve (12) month rolling period, rolled monthly.
- D. The amount of any coating material (e.g. primer, stain, clearcoat, topcoat, thickener) with a VOC content greater than 0.56 pounds per gallon and less than or equal to 0.93 pounds per gallon used in the pre-finished product line shall not exceed 25,000 gallons per twelve (12) month rolling period, rolled monthly.
- E. The amount of any coating material (e.g. primer, stain, clearcoat, topcoat, thickener) with a VOC content greater than 0.93 pounds per gallon and less than or equal to 1.15 pounds per gallon used in the pre-finished product line shall not exceed 28,000 gallons per twelve (12) month rolling period, rolled monthly.
- F. The amount of any coating material (e.g. primer, stain, clearcoat, topcoat, thickener) with a VOC content greater than 1.15 pounds per gallon and less than or equal to 1.70 pounds per gallon used in the pre-finished product line shall not exceed 15 gallons per twelve (12) month rolling period, rolled monthly.
- G. The filters used in this emissions unit shall be operated and maintained in accordance with the recommendations of the manufacturer.
- H. The permittee shall maintain the MSDS of materials used in the paint booth on site.

Authority for Requirement: DNR Construction Permit 09-A-588-S3

Operating Limits – General for all emission point listed in Table ½ Auto Coating Booths-1 except EP-177

- A. The owner or operator is limited to using no more than four high-volume/low-pressure (HVLP) spray guns with a maximum total capacity of 26.0 gallons per hour within each of the Pre-Finished Product Line ½ Auto Coating booths #25, #26, #32, #35, #36, #44, #55, #232, #233, #234, #235, #7, #8, #9, #10, #11, #13, #14, #16, #17, and #18 (EU-155, EU-156, EU-176, EU-181, EU182, EU-195, EU-224, EU-226, EU-232, EU-233, EU-234, EU-235, EU-130, EU-132, EU-134, EU-136, EU-137, EU-140, EU-141, EU-144, EU-145, EU-146).
- B. The owner or operator shall develop a written maintenance plan for operating and maintaining the dry filters (CE-155, CE-156, CE-178, CE-181, CE-182, CE-195, CE-226, CE-232, CE-233, CE-234, CE-235, CE-130, CE-132, CE-134, CE-136, CE-137, CE-140,

CE-141, CE-144, CE-145, CE-146) associated with the Pre-Finished Product Line ½ Auto Coating booths #25, #26, #32, #35, #36, #44, #55, #227, #228, #232, #233, #234, #235, #7, #8, #9, #10, #11, #13, #14, #16, #17, and #18 (EU-155, EU-156, EU-176, EU-181, EU182, EU-195, EU-226, EU-232, EU-233, EU-234, EU-235, EU-130, EU-132, EU-134, EU-136, EU-140, EU-141, EU-144, EU-145, EU-146). This written maintenance plan shall be based on manufacturer's recommendation, product quality concerns, and operation constraints.

- C. The emission units listed in Attachment A ⁽¹⁾ of this permit shall collectively be referred to as the "Pre-Finished Product Line Group" for the purposes of this permit.
- D. The owner or operator shall operate and maintain the emission units in the Pre-Finished Product Line Group according to the provisions in 40 CFR §63.6(e)(1)(i) as per the compliance requirements of 40 CFR §63.4700(b).

⁽¹⁾ See Appendix B

Operating Limits Volatile Organic Compounds (VOC) for all emission point listed in Table ½ Half Auto Coating Booths-1 except EP-177

- E. The VOC content of any material (coatings, thinners, cleaning materials, etc.) used in the Pre-Finished Product Line Group surface coating operation shall not exceed 1.17 pounds per gallon, except for 60 gallons per year of a higher VOC-content thickening compound.
- F. The owner or operator shall ensure that the operation of the emission units in the Pre-Finished Product Line Group does not cause the exceedance of the VOC bubble emission limit of 39.4 tons per each rolling twelve-month period as required in this permit (see Emission Limitations section).

Operating Limits – Hazardous Air Pollutants (HAP) for all emission point listed in Table ½ Half Auto Coating Booths-1 except EP-177

- G. As indicated in Table 2 to Subpart QQQQ of Part 63 and in accordance with 40 CFR §63.4690(b), the owner or operator shall limit organic HAP emissions from the Pre-Finished Product Line Group surface coating operation in the "*Doors, windows, and miscellaneous*" subcategory to no more than 1.93 pounds organic HAP per gallon of solids used, determined as a rolling 12-month emission rate. (See Other Emission Limits – National Emission Standards for Hazardous Air Pollutants section).
- H. As specified in 40 CFR §63.4691, the owner or operator shall include all coatings, thinners, and cleaning materials used in the Pre-Finished Product Line Group surface coating operation when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit of 1.93 pounds organic HAP per gallon of solids. To make this determination, the owner or operator shall use at least one of the compliance options listed in 40 CFR §63.4691 and allowed by Condition I below.
- I. The owner or operator may use the ***Compliant Material Option*** as specified in 40 CFR §63.4691(a) or the ***Emission Rate without Add-on Controls Option*** as specified in 40 CFR §63.4691(b); however, prior to implementing the ***Emission Rate with Add-on Controls Option*** as specified in 40 CFR §63.4691(c), the owner or operator must submit a request to the Department to modify the corresponding construction permits.
- J. The use of the compliance options described in 40 CFR §63.4691 shall adhere to the following guidelines:

- i. The owner or operator may apply any of the compliance options allowed by this permit to an individual coating operation, or to multiple coating operations as a group, or to the entire affected source.
 - ii. The owner or operator may use different compliance options for different coating operations or at different times on the same coating operation.
 - iii. The owner or operator may employ different compliance options when different coatings are applied to the same part or when the same coating is applied to different parts.
 - iv. However, the owner or operator may not use different compliance options at the same time on the same coating operation.
 - v. If the owner or operator switches between compliance options for the Pre-Finished Product Line Group surface coating operation, this switch shall be recorded as required by 40 CFR §63.4730(c) and reported as required in 40 CFR §63.4720.
- K. As indicated in 40 CFR §63.4700(a)(1), any coating operation for which the Compliant Material Option or the Emission Rate without Add-on Controls Option is used must be in compliance with the applicable emission limit in §63.4690 at all times.

Authority for Requirement: DNR Construction Permits listed in Table ½ Half Auto Coating Booths-2 except 09-A-588-S3

Reporting and Recordkeeping

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

Reporting and Recordkeeping for EP-177

- A. The permittee shall maintain records on the identification and the VOC content of each material used in this emissions unit.
- B. At the end of each month, record the number of gallons of coating materials (e.g. primer, stain, clearcoat, topcoat, thickener) with a VOC content of less than or equal to 0.33 pounds per gallon that were used in the pre-finished product line over the previous month. Calculate and record the rolling 12-month total.
- C. At the end of each month, record the number of gallons of coating materials (e.g. primer, stain, clearcoat, topcoat, thickener) with a VOC content of greater than 0.33 pounds per gallon and less than or equal to 0.56 pounds per gallon that were used in the pre-finished product line over the previous month. Calculate and record the rolling 12-month total.
- D. At the end of each month, record the number of gallons of coating materials (e.g. primer, stain, clearcoat, topcoat, thickener) with a VOC content of greater than 0.56 pounds per gallon and less than or equal to 0.93 pounds per gallon that were used in the pre-finished product line over the previous month. Calculate and record the rolling 12-month total.
- E. At the end of each month, record the number of gallons of coating materials (e.g. primer, stain, clearcoat, topcoat, thickener) with a VOC content of greater than 0.93 pounds per gallon and less than or equal to 1.15 pounds per gallon that were used in the pre-finished product line over the previous month. Calculate and record the rolling 12-month total.

- F. At the end of each month, record the number of gallons of coating materials (e.g. primer, stain, clearcoat, topcoat, thickener) with a VOC content of greater than 1.15 pounds per gallon and less than or equal to 1.70 pounds per gallon that were used in the pre-finished product line over the previous month. Calculate and record the rolling 12-month total.
- G. The permittee shall submit notifications as required by § 63.4710; the permittee shall submit required reports in accordance with § 63.4720.
- H. The permittee shall maintain the necessary records in accordance with §63.4730 and §63.4731.
- I. If using the Compliant Material Option to comply with the HAP limit, the permittee shall follow the requirements of §63.4740, §63.4741, and §63.4742.
- J. If using the Emission Rate without Add-on Control Option to comply with the HAP limit, the permittee shall follow the requirements of §63.4750, §63.4751, and §63.4752.
- K. The permittee shall maintain records on the types of dry filters used in this emissions unit.

Authority for Requirement: DNR Construction Permit 09-A-588-S3

Reporting and Recordkeeping – General for EP-195

- A. The owner or operator shall maintain a record of all inspections and maintenance of the dry filters (CE-195) and any action resulting from these.

Authority for Requirement: DNR Construction Permit 09-A-606-S3

Reporting and Recordkeeping – General for all emission point listed in Table ½ Half Auto Coating Booths-1 except EP-177 and EP-195

- A. The owner or operator shall demonstrate compliance with the written maintenance plan for the dry filters (CE-155, CE-156, CE-176, CE-178, CE-181, CE-182, CE-226, CE-232, CE-233, CE-234, CE-235, CE-130, CE-132, CE-134, CE-136, CE-137, CE-140, CE-141, CE-144, CE-145, CE-146) as specified in Operating Limits – General for all emission points except EP-177 and EP-195

Authority for Requirement: DNR Construction Permit listed in Table listed in Table ½ Auto Coating Booths-2 except 09-A-588-S3 and 09-A-588-S3

Reporting and Recordkeeping – General for all emission point listed in Table ½ Half Auto Coating Booths-1 except EP-177

- A. The owner or operator shall maintain a specification sheet for any HVLP gun used in each of the Pre-Finished Product Line ½ Auto Coating booths #25, #26, #32, #34, #35, #36, #44, #55, #232, #233, #234, #235, #7, #8, #9, #10, #11, #13, #14, #16, #17, and #18 (EU-155, EU-156, EU-176, EU-178, EU-181, EU182, EU-195, EU-226, EU-232, EU-233, EU-234, EU-235, EU-130, EU-132, EU-134, EU-136, EU-137, EU-140, EU-141, EU-144, EU-145, EU-146) to verify the capacity of each gun.
- B. The owner or operator shall comply with the applicable requirements in 40 CFR Part 63, Subpart QQQQ – *National Emission Standards for Hazardous Air Pollutants: Surface*

Coating of Wood Building Products [§63.4680 - §63.4781], including those not specifically mentioned in this permit. If differences in language are found between this permit and Subpart QQQQ, the language specified in Subpart QQQQ shall be considered correct.

- C. The owner or operator shall comply with the applicable requirements in 40 CFR Part 63, Subpart A – *General Provisions* [§63.1 - §63.15], except as indicated in Table 4 to Subpart QQQQ of Part 63.
- D. The owner or operator shall maintain manufacturer and vendor provided information (Safety Data Sheets (SDS), technical data sheets, etc.) for all materials used in the Pre-Finished Product Line Group surface coating operation.

Reporting and Recordkeeping – Volatile Organic Compounds (VOC) for all emission point listed in Table ½ Half Auto Coating Booths-1 except EP-177

- F. The owner or operator shall maintain daily records of the number of gallons of material (coatings, thinners, cleaning material, etc.) used in the Pre-Finished Product Line Group surface coating operation.
- G. The owner or operator shall maintain daily records on the identification and the VOC content (pounds per gallon) for each material (coatings, thinners, cleaning material, etc.) used in the Pre-Finished Product Line Group surface coating operation.
- H. At the end of each month, the owner or operator shall record the total amount of VOC, in tons, emitted from the Pre-Finished Product Line Group surface coating operation over the previous month.
- I. At the end of each month, the owner or operator shall record the total amount of VOC, in tons, emitted from the Pre-Finished Product Line Group surface coating operation over the previous 12 months.
- J. The owner or operator shall implement the following procedure if the 12-month rolling total of VOC emitted from the Pre-Finished Product Line Group surface coating operation exceeds 31.5 tons (80 percent of the VOC bubble emission limit).
 - i. At the end of each day, the owner or operator shall calculate and record the total amount of VOC, in tons, emitted from the Pre-Finished Product Line Group surface coating operation over the previous day.
 - ii. At the end of each day, the owner or operator shall calculate and record the total amount of VOC, in tons, emitted from the Pre-Finished Product Line Group surface coating operation over the previous 365 days.
 - iii. Calculation and recordkeeping of VOC emissions from data collected on Saturdays and Sundays shall be conducted on Mondays.
 - iv. Calculation and recordkeeping of VOC emissions shall not be required when emissions do not occur.
 - v. Daily calculations and recordkeeping of VOC emissions as specified in this permit condition shall continue until the rolling 12-month total amount drops below 31.5 tons on the last day of the month. Monthly calculations of VOC emissions shall then begin in the following month.
- K. Should the facility (Plant No. 63-02-003) choose to take credit for waste shipped off-site, the owner or operator shall record the time and amount of waste shipped off-site and maintain a record that documents the VOC content of the waste. The credit may be subtracted from the VOC rolling total in the month of the date the waste is shipped off-site.

Reporting and Recordkeeping – Hazardous Air Pollutants (HAP) for all emission point listed in Table ½ Half Auto Coating Booths-1 except EP-177

- L. The owner or operator shall demonstrate continuous compliance with the organic HAP emission rate limit of 1.93 pounds organic HAP per gallon of solids by following the applicable procedure specified in 40 CFR §63.4742 (*Compliant Material Option*) or §63.4752 (*Emission Rate without Add-on Controls Option*).
- M. The owner or operator shall document how the compliance options described in 40 CFR §63.4691 are being applied to determine the organic HAP emission rate from the Pre-Finished Product Line Group surface coating operation.
- N. The owner or operator shall submit the applicable notifications and reports as required by 40 CFR §63.4710 and §63.4720, respectively.
- O. The owner or operator shall maintain records as specified in 40 CFR §63.4730. This includes, but it is not limited to, the following records and documentation:
 - i. A copy of each notification and report submitted to comply with Subpart QQQQ of Part 63 and the documentation supporting each notification and report.
 - ii. A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data or test data used to determine the mass fraction of organic HAP and density for each coating, thinner, cleaning material, etc.
 - iii. If testing was conducted to determine mass fraction of organic HAP, density, or volume fraction of coating solids, the owner or operator shall keep a copy of the complete test report.
 - iv. If the information provided by the manufacturer or supplier of the material was based on testing, the owner or operator shall keep the summary sheet of results provided by the manufacturer or supplier. The owner or operator is not required to obtain the test report for other supporting documentation from the manufacturer or supplier.
 - v. For each compliance period:
 - 1. A record of the coating operations at which the owner or operator used each compliance option and the time periods (beginning and ending dates and times) that each option was used.
 - 2. If the owner or operator uses the *Compliant Material Option*, a record of the calculation of the organic HAP content for each coating, using Equation 2 of §63.4741.
 - 3. If the owner or operator uses the *Emission Rate without Add-on Controls Option*,
 - a. A record of the calculation of the total mass of organic HAP emissions for the coatings, thinners, cleaning materials, etc. used each month, using Equations 1, 1A through 1C, and 2 of §63.4751;
 - b. If applicable, a record of the calculation used to determine mass of organic HAP in waste materials according to §63.4751(e)(4);
 - c. A record of the calculation of the total volume of coating solids used each month, using Equation 2 of §63.4751; and
 - d. A record of the calculation of each 12-month organic HAP

emission rate, using Equation 3 of §63.4751.

- vi. A record of the name and volume of each coating, thinner, cleaning material, etc. used during each compliance period.
 - vii. A record of the mass fraction of organic HAP for each coating, thinner, cleaning material, etc. used during each compliance period.
 - viii. A record of the volume fraction of coating solids for each coating used during each compliance period.
 - ix. A record of the density for each coating used during each compliance period.
 - x. If the owner or operator uses the Emission Rate without Add-on Controls Option, a record of the density for each thinner, cleaning material, etc. used during each compliance period.
 - xi. Records of the date, time, and duration of each deviation as defined in 40 CFR §63.4781.
- P. If the facility (Plant No. 63-02-003) uses an allowance in Equation 1 of §63.4751 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to §63.4751(e)(4), the owner or operator shall comply with the recordkeeping requirements in §63.4730(h).

Authority for Requirement: DNR Construction Permit listed in Table listed in Table ½ Auto Coating Booths-2 except 09-A-588-S3

NSPS and NESHAP Applicability

This facility (Plant No. 63-02-003) is of the source category subject to the requirements in 40 CFR Part 63, Subpart QQQQ – *National Emissions Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products* [567 IAC 23.1(4)“cq”], because it owns and operates a new, reconstructed, or existing surface coating operation as defined in 40 CFR §63.4781 and in accordance with 40 CFR §63.4682 that uses 1,100 gallons per year, or more, of coatings; that belongs in the “*Doors, windows, and miscellaneous*” subcategory as described in 40 CFR §63.4681(a)(1); and that is a major source, is located at a major source, or is part of a major source of emissions of hazardous air pollutants.

In addition, any affected emission unit at this facility (Plant No. 63-02-003) is subject to the requirements in 40 CFR Part 63, Subpart A – *General Provisions* [567 IAC 23.1(4)“a”], except as indicated in Table 4 to Subpart QQQQ of Part 63.

Authority for Requirement: DNR Construction Permits listed in Table ½ Auto Coating Booths-2
40 CFR Part 63 Subpart QQQQ
567 IAC 23.1(4)“cq”
40 CFR Part 63 Subpart A
567 IAC 23.1(4)“a”

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

Table ½ Auto Coating Booths-5

	Stack Height (ft, from the ground)	Stack Opening (dia. inch)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style	Authority for Requirement DNR Construction Permit
EP-155	32	14	750-1500	70	Vertical Unobstructed	09-A-577-S4
EP-156	32	14	750-1500	70	Vertical Unobstructed	09-A-578-S4
EP-176	31	14	750-1500	70	Vertical Unobstructed	09-A-587-S4
EP-177	32	14	1200-2600	70	Vertical Unobstructed	09-A-588-S3
EP-181	37.5	14	750-1500	70	Vertical Unobstructed	09-A-592-S3
EP-182	37.5	14	750-1500	70	Vertical Unobstructed	09-A-593-S3
EP-195	37.5	14	750-1500	70	Vertical Unobstructed	09-A-606-S3
EP-226	31	14	750-1500	70	Vertical Unobstructed	11-A-189-S2
EP-232	31	14	750-1500	70	Vertical Unobstructed	12-A-111-S1
EP-233	31	14	750-1500	70	Vertical Unobstructed	12-A-112-S1
EP-234	31	14	750-1500	70	Vertical Unobstructed	12-A-113-S1
EP-235	31	14	750-1500	70	Vertical Unobstructed	12-A-114-S1
EP-130	40	14	750-1500	70	Vertical Unobstructed	08-A-197-S6
EP-132	40	14	750-1500	70	Vertical Unobstructed	08-A-199-S6
EP-134	34.5	14	750-1500	70	Vertical Unobstructed	08-A-201-S6
EP-136	32	14	750-1500	70	Vertical Unobstructed	08-A-357-S5
EP-137	32	14	750-1500	70	Vertical Unobstructed	08-A-358-S5
EP-140	31	14	750-1500	70	Vertical Unobstructed	08-A-361-S5
EP-141	31	14	750-1500	70	Vertical Unobstructed	08-A-362-S5
EP-144	35	14	750-1500	70	Vertical Unobstructed	08-A-365-S5
EP-145	35	18	750-1500	70	Vertical Unobstructed	08-A-366-S5
EP-146	37.5	18	750-1500	70	Vertical Unobstructed	08-A-367-S4

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

Paint Booth Agency Operation & Maintenance Plan

Weekly

- Observe the paint booth system for conditions that reduce the operating efficiency of the collection system. When indicated by operational parameters, inspect the control filter layers. Operational parameters include spray pattern appearance, booth ventilation observation, coated parts appearance including coating thickness, Hz reading (range of 20 – 65 Hz) on the variable speed drive, pressure drop on magnehelix, and any other facility-determined observation or measurement of operating efficiency.
- Maintain a written record of a pocket filter change resulting from the inspection.

Record Keeping and Reporting

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

Quality Control

- The filter equipment will be operated and maintained according to the manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: Pre-Finished Product Line Manual Coating Booths

Associated Equipment

Table Manual Coating Booths-1

EP	EU	Emission Unit Description	Raw Material	Rated Capacity (gal/hr)
EP-118	EU-118	Manual Coating Booth #1 (1 HVLP Gun)	Paint, Stain, Vanish	6.5
EP-119	EU-119	Manual Coating Booth #2 (1 HVLP Gun)	Paint, Stain, Vanish	6.5
EP-121	EU-121	Manual Coating Booth #3 (1 HVLP Gun)	Paint, Stain, Vanish	6.5
EP-123	EU-123	Manual Coating Booth #4 (1 HVLP Gun)	Paint, Stain, Vanish	6.5
EP-125	EU-125	Manual Coating Booth #5 (1 HVLP Gun)	Paint, Stain, Vanish	6.5
EP-147	EU-147	Manual Coating Booth #19 (1 HVLP Gun)	Paint, Stain, Vanish	6.5
EP-203	EU-203	Manual Coating Booth #50 (1 HVLP Gun)	Paint, Stain, Vanish	6.5
EP-228	EU-228	Manual Coating Booth #56 (1 HVLP Gun)	Paint, Stain, Vanish	6.5

Table Manual Coating Booths -2

EP	EU	Emission Unit Description	CE & Description	DNR Construction Permit Number
EP-118	EU-118	Manual Coating Booth #1	CE-118/Dry Filter	07-A-129-S8
EP-119	EU-119	Manual Coating Booth #2	CE-119/Dry Filter	07-A-130-S8
EP-121	EU-121	Manual Coating Booth #3	CE-121/Dry Filter	07-A-132-S8
EP-123	EU-123	Manual Coating Booth #4	CE-123/Dry Filter	07-A-992-S8
EP-125	EU-125	Manual Coating Booth #5	CE-125/Dry Filter	07-A-994-S8
EP-147	EU-147	Manual Coating Booth #19	CE-147/Dry Filter	09-A-569-S4
EP-203	EU-203	Manual Coating Booth #50	CE-203/Dry Filter	09-A-614-S4
EP-228	EU-228	Manual Coating Booth #56	CE-228/Dry Filter	11-A-206-S2

Applicable Requirements

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

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

Table Manual Coating Booths -3

EP	EU	Opacity	PM10 (lb/hr)	PM (lb/hr)	PM (gr/dscf)
EP-118	EU-118	40% ⁽¹⁾	0.07	0.07	0.01
EP-119	EU-119	40% ⁽¹⁾	0.07	0.07	0.01
EP-121	EU-121	40% ⁽¹⁾	0.07	0.07	0.01
EP-123	EU-123	40% ⁽¹⁾	0.07	0.07	0.01
EP-125	EU-125	40% ⁽¹⁾	0.07	0.07	0.01
EP-147	EU-147	40% ⁽¹⁾	0.07	0.07	0.01
EP-203	EU-203	40% ⁽¹⁾	0.07	0.07	0.01
EP-228	EU-228	40% ⁽¹⁾	0.07	0.07	0.01

⁽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).

Table Manual Coating Booths-4

Pollutant	Emission Limits	Authority for Requirement
Opacity	40%	DNR Construction Permit listed in Table Manual Coating Booths-2 567 IAC 23.3(2) "d"
PM10	0.07 lb/hr	DNR Construction Permit listed in Table Manual Coating Booths-2
PM	0.07 lb/hr	DNR Construction Permit listed in Table Manual Coating Booths-2
PM	0.01 gr/dscf	DNR Construction Permit listed in Table Manual Coating Booths-2 567 IAC 23.4(13)

Pollutant: Volatile Organic Compounds

Emission Limit(s): 39.4 tons/yr ⁽²⁾

Authority for Requirement: DNR Construction Permit listed in Table Manual Coating Booths-2

⁽²⁾ Bubble emission limit for the Pre-finished Product Line Group – See **Appendix B** for a list of emission units in the group.

Other Emission Limits – National Emission Standards for Hazardous Air Pollutants

Table Manual Coating Booths-5

EP	EU	Total Organic HAP	Authority for Requirement
EP-118	EU-118	1.93 lb organic HAP/gal coating solids	DNR construction permits listed in Table Manual Coating Booths-2 40 CFR Part 63 Subpart QQQQ 567 IAC 23.1(4) "cq"
EP-119	EU-119	1.93 lb organic HAP/gal coating solids	
EP-121	EU-121	1.93 lb organic HAP/gal coating solids	
EP-123	EU-123	1.93 lb organic HAP/gal coating solids	
EP-125	EU-125	1.93 lb organic HAP/gal coating solids	
EP-147	EU-147	1.93 lb organic HAP/gal coating solids	
EP-203	EU-203	1.93 lb organic HAP/gal coating solids	
EP-228	EU-228	1.93 lb organic HAP/gal coating solids	

Operational Limits & Requirements

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

Operating Limits – General

- A. The owner or operator is limited to using no more than one high-volume/low-pressure (HVLP) spray gun with a maximum total capacity of 6.5 gallons per hour within each of the Pre-Finished Product Line Manual Coating booths #1, #2, #3, #4, #5, #19, #50, and #56 (EU-118, EU-119, EU-121, EU-123, EU-125, EU-147, EU-203, and EU-228).

- B. The owner or operator shall develop a written maintenance plan for operating and maintaining the dry filters (CE-118, CE-119, CE-121, CE-123, CE-125, CE-147, CE-203, CE-228) associated with the Pre-Finished Product Line Manual Coating booths #1, #2, #3, #4, #5, #19, #50, and #56 (EU-118, EU-119, EU-121, EU-124, EU-125, EU-147, EU-203, and EU-228). This written maintenance plan shall be based on manufacturer's recommendation, product quality concerns, and operation constraints.
- C. The emission units listed in Attachment A ⁽¹⁾ of this permit shall collectively be referred to as the "Pre-Finished Product Line Group" for the purposes of this permit.
- D. The owner or operator shall operate and maintain the emission units in the Pre-Finished Product Line Group according to the provisions in 40 CFR §63.6(e)(1)(i) as per the compliance requirements of 40 CFR §63.4700(b).

⁽¹⁾ See Appendix B

Operating Limits – Volatile Organic Compounds (VOC)

- E. The VOC content of any material (coatings, thinners, cleaning materials, etc.) used in the Pre-Finished Product Line Group surface coating operation shall not exceed 1.17 pounds per gallon, except for 60 gallons per year of a higher VOC-content thickening compound.
- F. The owner or operator shall ensure that the operation of the emission units in the Pre-Finished Product Line Group does not cause the exceedance of the VOC bubble emission limit of 39.4 tons per each rolling twelve-month period as required in this permit (see Emission Limitations section).

Operating Limits – Hazardous Air Pollutants (HAP)

- G. As indicated in Table 2 to Subpart QQQQ of Part 63 and in accordance with 40 CFR §63.4690(b), the owner or operator shall limit organic HAP emissions from the Pre-Finished Product Line Group surface coating operation in the "*Doors, windows, and miscellaneous*" subcategory to no more than 1.93 pounds organic HAP per gallon of solids used, determined as a rolling 12-month emission rate. (See Other Emission Limits section).
- H. As specified in 40 CFR §63.4691, the owner or operator shall include all coatings, thinners, and cleaning materials used in the Pre-Finished Product Line Group surface coating operation when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit of 1.93 pounds organic HAP per gallon of solids. To make this determination, the owner or operator shall use at least one of the compliance options listed in 40 CFR §63.4691 and allowed by this permit (see Condition I below).
- I. The owner or operator may use the *Compliant Material Option* as specified in 40 CFR §63.4691(a) or the *Emission Rate without Add-on Controls Option* as specified in 40 CFR §63.4691(b); however, prior to implementing the *Emission Rate with Add-on Controls Option* as specified in 40 CFR §63.4691(c), the owner or operator must submit a request to the Department to modify this permit.
- J. The use of the compliance options described in 40 CFR §63.4691 shall adhere to the following guidelines:
 - i. The owner or operator may apply any of the compliance options allowed by this permit to an individual coating operation, or to multiple coating operations as a group, or to the entire affected source.

- ii. The owner or operator may use different compliance options for different coating operations or at different times on the same coating operation.
 - iii. The owner or operator may employ different compliance options when different coatings are applied to the same part or when the same coating is applied to different parts.
 - iv. However, the owner or operator may not use different compliance options at the same time on the same coating operation.
 - v. If the owner or operator switches between compliance options for the Pre-Finished Product Line Group surface coating operation, this switch shall be recorded as required by 40 CFR §63.4730(c) and reported as required in 40 CFR §63.4720.
- K. As indicated in 40 CFR §63.4700(a)(1), any coating operation for which the Compliant Material Option or the Emission Rate without Add-on Controls Option is used must be in compliance with the applicable emission limit in §63.4690 at all times.

Authority for Requirement: DNR Construction Permit listed in Table Manual Coating Booths-2.

Reporting and Recordkeeping

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

Reporting and Recordkeeping – General

- A. The owner or operator shall maintain a specification sheet for the HVLP gun used in the Pre-Finished Product Line Manual Coating booths #1, #2, #3, #4, #5, #19, #50, and #56 (EU-118, EU-119, EU-121, EU-123, EU-125, EU-147, EU-203, and EU-228) to verify the capacity of this gun.
- B. The owner or operator shall demonstrate compliance with this written maintenance plan for the dry filters (CE-118, CE-119, CE-121, CE-123, CE-125, CE-147, CE-203, CE-228) as specified in Operating Limits condition B.
- C. The owner or operator shall comply with the applicable requirements in 40 CFR Part 63, Subpart QQQQ – *National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products* [§63.4680 - §63.4781], including those not specifically mentioned in this permit. If differences in language are found between this permit and Subpart QQQQ, the language specified in Subpart QQQQ shall be considered correct.
- D. The owner or operator shall comply with the applicable requirements in 40 CFR Part 63, Subpart A – *General Provisions* [§63.1 - §63.15], except as indicated in Table 4 to Subpart QQQQ of Part 63.
- E. The owner or operator shall maintain manufacturer and vendor provided information (Safety Data Sheets (SDS), technical data sheets, etc.) for all materials used in the Pre-Finished Product Line Group surface coating operation.

Reporting and Recordkeeping – Volatile Organic Compounds (VOC)

- F. The owner or operator shall maintain daily records of the number of gallons of material

(coatings, thinners, cleaning material, etc.) used in the Pre-Finished Product Line Group surface coating operation.

- G. The owner or operator shall maintain daily records on the identification and the VOC content (pounds per gallon) for each material (coatings, thinners, cleaning material, etc.) used in the Pre-Finished Product Line Group surface coating operation.
- H. At the end of each month, the owner or operator shall record the total amount of VOC, in tons, emitted from the Pre-Finished Product Line Group surface coating operation over the previous month.
- I. At the end of each month, the owner or operator shall record the total amount of VOC, in tons, emitted from the Pre-Finished Product Line Group surface coating operation over the previous 12 months.
- J. The owner or operator shall implement the following procedure if the 12-month rolling total of VOC emitted from the Pre-Finished Product Line Group surface coating operation exceeds 31.5 tons (80 percent of the VOC bubble emission limit).
 - i. At the end of each day, the owner or operator shall calculate and record the total amount of VOC, in tons, emitted from the Pre-Finished Product Line Group surface coating operation over the previous day.
 - i. At the end of each day, the owner or operator shall calculate and record the total amount of VOC, in tons, emitted from the Pre-Finished Product Line Group surface coating operation over the previous 365 days.
 - ii. Calculation and recordkeeping of VOC emissions from data collected on Saturdays and Sundays shall be conducted on Mondays.
 - iii. Calculation and recordkeeping of VOC emissions shall not be required when emissions do not occur.
 - iv. Daily calculations and recordkeeping of VOC emissions as specified in this permit condition shall continue until the rolling 12-month total amount drops below 31.5 tons on the last day of the month. Monthly calculations of VOC emissions shall then begin in the following month.
- K. Should the facility (Plant No. 63-02-003) choose to take credit for waste shipped off-site, the owner or operator shall record the time and amount of waste shipped off-site and maintain a record that documents the VOC content of the waste. The credit may be subtracted from the VOC rolling total in the month of the date the waste is shipped off-site.

Reporting and Recordkeeping – Hazardous Air Pollutants (HAP)

- L. The owner or operator shall demonstrate continuous compliance with the organic HAP emission rate limit of 1.93 pounds organic HAP per gallon of solids by following the applicable procedure specified in 40 CFR §63.4742 (*Compliant Material Option*) or §63.4752 (*Emission Rate without Add-on Controls Option*).
- M. The owner or operator shall document how the compliance options described in 40 CFR §63.4691 are being applied to determine the organic HAP emission rate from the Pre-Finished Product Line Group surface coating operation.
- N. The owner or operator shall submit the applicable notifications and reports as required by 40 CFR §63.4710 and §63.4720, respectively.
- O. The owner or operator shall maintain records as specified in 40 CFR §63.4730. This includes, but it is not limited to, the following records and documentation:

- i. A copy of each notification and report submitted to comply with Subpart QQQQ of Part 63 and the documentation supporting each notification and report.
 - ii. A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data or test data used to determine the mass fraction of organic HAP and density for each coating, thinner, cleaning material, etc.
 - iii. If testing was conducted to determine mass fraction of organic HAP, density, or volume fraction of coating solids, the owner or operator shall keep a copy of the complete test report.
 - iv. If the information provided by the manufacturer or supplier of the material was based on testing, the owner or operator shall keep the summary sheet of results provided by the manufacturer or supplier. The owner or operator is not required to obtain the test report for other supporting documentation from the manufacturer or supplier.
 - v. For each compliance period:
 - 1. A record of the coating operations at which the owner or operator used each compliance option and the time periods (beginning and ending dates and times) that each option was used.
 - 2. If the owner or operator uses the *Compliant Material Option*, a record of the calculation of the organic HAP content for each coating, using Equation 2 of §63.4741.
 - 3. If the owner or operator uses the *Emission Rate without Add-on Controls Option*,
 - a. A record of the calculation of the total mass of organic HAP emissions for the coatings, thinners, cleaning materials, etc. used each month, using Equations 1, 1A through 1C, and 2 of §63.4751;
 - b. If applicable, a record of the calculation used to determine mass of organic HAP in waste materials according to §63.4751(e)(4);
 - c. A record of the calculation of the total volume of coating solids used each month, using Equation 2 of §63.4751; and
 - d. A record of the calculation of each 12-month organic HAP emission rate, using Equation 3 of §63.4751.
 - vi. A record of the name and volume of each coating, thinner, cleaning material, etc. used during each compliance period.
 - vii. A record of the mass fraction of organic HAP for each coating, thinner, cleaning material, etc. used during each compliance period.
 - viii. A record of the volume fraction of coating solids for each coating used during each compliance period.
 - ix. A record of the density for each coating used during each compliance period.
 - x. If the owner or operator uses the Emission Rate without Add-on Controls Option, a record of the density for each thinner, cleaning material, etc. used during each compliance period.
 - xi. Records of the date, time, and duration of each deviation as defined in 40 CFR §63.4781.
- P. If the facility (Plant No. 63-02-003) uses an allowance in Equation 1 of §63.4751 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage,

and disposal facility (TSDf) according to §63.4751(e)(4), the owner or operator shall comply with the recordkeeping requirements in §63.4730(h).

Authority for Requirement: DNR Construction Permit listed in Table Manual Coating Booths-2.

NSPS and NESHAP Applicability

This facility (Plant No. 63-02-003) is subject to the requirements in 40 CFR Part 63, Subpart QQQQ – *National Emissions Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products* [567 IAC 23.1(4)“cq”], because it owns and operates a new, reconstructed, or existing surface coating operation as defined in 40 CFR §63.4781 and in accordance with 40 CFR §63.4682 that uses 1,100 gallons per year, or more, of coatings; that belongs in the “*Doors, windows, and miscellaneous*” subcategory as described in 40 CFR §63.4681(a)(1); and that is a major source, is located at a major source, or is part of a major source of emissions of hazardous air pollutants.

In addition, any affected emission unit at this facility (Plant No. 63-02-003) is subject to the requirements in 40 CFR Part 63, Subpart A – *General Provisions* [567 IAC 23.1(4)“a”], except as indicated in Table 4 to Subpart QQQQ of Part 63.

Authority for Requirement: DNR Construction Permits listed in Table Manual Coating Booths-2.
 40 CFR Part 63 Subpart QQQQ
 567 IAC 23.1(4)“cz”
 40 CFR Part 63 Subpart A
 567 IAC 23.1(4)“a”

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Table Manual Coating Booths -6

	Stack Height (ft, from the ground)	Stack Opening (dia. inch)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style	Authority for Requirement DNR Construction Permit
EP-118	32.5	34	6000-9000	70	Vertical Unobstructed	07-A-129-S8
EP-119	32.5	34	6000-9000	70	Vertical Unobstructed	07-A-130-S8
EP-121	32.5	34	6000-9000	70	Vertical Unobstructed	07-A-132-S8
EP-123	33.5	34	6000-9000	70	Vertical Unobstructed	07-A-992-S8
EP-125	33.5	34	6000-9000	70	Vertical Unobstructed	07-A-994-S8
EP-147	32	34	6000-9000	70	Vertical Unobstructed	09-A-569-S4
EP-203	40	36	6000-9000	70	Vertical Unobstructed	09-A-614-S4
EP-228	32	36	6000-9000	70	Vertical Unobstructed	11-A-206-S2

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Paint Booth aation & Maintenance Plan

Weekly

- Observe the paint booth system for conditions that reduce the operating efficiency of the collection system. When indicated by operational parameters, inspect the control filter layers. Operational parameters include spray pattern appearance, booth ventilation observation, coated parts appearance including coating thickness, Hz reading (range of 20 – 65 Hz) on the variable speed drive, pressure drop on magnehelix, and any other facility-determined observation or measurement of operating efficiency.
- Maintain a written record of a pocket filter change resulting from the inspection.

Record Keeping and Reporting

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

Quality Control

- The filter equipment will be operated and maintained according to the manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: Vertical Line Drying Ovens

Associated Equipment

Associated Emission Unit ID Numbers: EP-40, EP-41, EP-42

Table Vertical Line Drying Ovens-1

EP	EU	Emission Unit Description	Raw Material	Rated Capacity (MMBtu/hr)	Construction Permit Number
EP-40	EU-40	Pretreatment Dry-off Oven	Natural Gas	3.68	92-A-588-S7
EP-41	EU-41	Primer Bake Oven	Natural Gas	6.30	92-A-589-S7
EP-42	EU-42	Top Coat Bake Oven	Natural Gas	6.30	92-A-590-S7

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.

Table Vertical Line Drying Ovens-2

EP	EU	Opacity	PM10 (lb/hr)	PM (gr/dscf)	VOC (tons/yr) ⁽²⁾	SO ₂ (ppmv)
EP-40	EU-40	40% ⁽¹⁾	0.03	0.1	0.9	500
EP-41	EU-41	40% ⁽¹⁾	0.06	0.1	0.9	500
EP-42	EU-42	40% ⁽¹⁾	0.06	0.1	0.9	500

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

⁽²⁾VOC bubble limit for the following emission units: Vertical Line Pretreatment Dry-off Oven, EU-40; Vertical Line Primer Bake Oven, EU-41; Vertical Line Top Coat Bake Oven, EU-42; Horizontal Line Pretreatment Dry-off Oven, EU-47; and Horizontal Line Top Coat Bake Oven, EU-48.

Table Vertical Line Drying Ovens-3

Pollutant	Emission Limits	Authority of Requirement
Opacity	40%	DNR construction permits listed in Table Vertical Line Drying Ovens-1 567 IAC 23.3(2) "d"
PM10	0.06 lb/hr	DNR construction permits listed in Table Vertical Line Drying Ovens-1
PM	0.1 gr/dscf	DNR construction permits listed in Table Vertical Line Drying Ovens-1 567 IAC 23.3(2) "a"
VOC	0.9 ton/yr	DNR construction permits listed in Table Vertical Line Drying Ovens-1
SO ₂	500 ppmv	567 IAC 23.3(3) "e"

Other Emission Limits – National Emission Standards for Hazardous Air Pollutants

Table Vertical Line Drying Ovens-4

EP	EU	Total HAP	Authority for Requirement
EP-40	EU-40	2.6 lb organic HAP/gal coating solids	DNR construction permits listed in Table Vertical Line Drying Ovens-1 40 CFR Part 63 Subpart M 567 IAC 23.1(4) "cm"
EP-41	EU-41	2.6 lb organic HAP/gal coating solids	
EP-42	EU-42	2.6 lb organic HAP/gal coating solids	

Operational Limits & Requirements

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

Operating Limits – General

- A. The Vertical Line ovens (EU-40, EU-41, and EU-42) shall be restricted to combust only natural gas.
- B. The owner or operator shall comply with the work practice standards outlined in 40 CFR §63.3893.
- C. The owner or operator shall maintain the Vertical Line ovens (EU-40, EU-41, and EU-42) according to the provision in 40 CFR §63.6(e)(1)(i) as per the compliance requirements in 40 CFR §63.3900(b).

Operating Limits – Volatile Organic Compounds (VOC)

- D. The emission units listed below shall collectively be referred to as the “VOC Affected Units” for purposes of this permit.

<i>Emission Unit Name</i>	<i>Emission Unit ID</i>	<i>Emission Point ID</i>
Vertical Line Pretreatment Dry-off Oven	EU-40	EP-40
Vertical Line Primer Bake Oven	EU-41	EP-41
Vertical Line Top Coat Bake Oven	EU-42	EP-42
Horizontal Line Pretreatment Dry-off Oven	EU-47	EP-47
Horizontal Line Top Coat Bake Oven	EU-48	EP-48

- E. The owner or operator shall ensure that the operation of the VOC Affected Units does not cause the exceedance of the VOC bubble limit of 0.9 tons per year.

Operating Limits – Hazardous Air Pollutants (HAP)

- F. The emission units listed below shall collectively be referred to as the “HAP Affected Units” for purposes of this permit.

<i>Emission Unit Name</i>	<i>Emission Unit ID</i>	<i>Emission Point ID</i>
Hardware Paint Booth	EU-29	EP-29
Vertical Line Paint Booth	EU-31	EP-31
Vertical Line Paint Booth	EU-32	EP-32
Vertical Line Paint Booth	EU-33	EP-33
Vertical Line Paint Booth	EU-34	EP-34
Vertical Line Pretreatment Dry-off Oven	EU-40	EP-40
Vertical Line Primer Bake Oven	EU-41	EP-41
Vertical Line Top Coat Bake Oven	EU-42	EP-42

- G. In accordance with 40 CFR §63.3890(b)(1), the owner or operator shall limit organic HAP emissions from the operation of the HAP Affected Units to no more than 2.6 pounds organic HAP per gallon of solids used during each compliance period. A compliance period consists of 12 months. Each month is the end of the compliance period consisting of that month and the preceding 11 months. (See Emission Limitations section - Other Emission Limits – *National Emission Standards for Hazardous Air Pollutants*.)
- H. As specified in 40 CFR §63.3891, the owner or operator shall include all coatings (as defined in §63.3981), thinners, and cleaning materials used in the operation of the HAP Affected Units when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit of 2.6 pounds of organic HAP per gallon of solids. To make this determination, the owner or operator shall use at least one of the compliance options listed in 40 CFR §63.3891 and allowed by this permit (see Condition I below).
- I. The owner or operator may use the *Compliant Material Option* as specified in 40 CFR §63.3891(a) or the *Emission Rate without Add-on Controls Option* as specified in 40 CFR §63.3891(b); however, prior to implementing the *Emission Rate with Add-on Controls Option* as specified in 40 CFR §63.3891(c), the owner or operator must submit a request to the Department to modify the corresponding construction permits.
- J. The use of the compliance options described in 40 CFR §63.3891 shall adhere to the following guidelines:
- i. The owner or operator may apply any of the compliance options allowed by this permit to an individual coating operation, or to multiple coating operations as a group, or to the entire affected source.
 - ii. The owner or operator may use different compliance options for different coating operations or at different times on the same coating operation.
 - iii. The owner or operator may employ different compliance options when different coatings are applied to the same part or when the same coating is applied to different parts.
 - iv. However, the owner or operator may not use different compliance options at the same time on the same coating operation.
 - v. If the owner or operator switches between compliance options for the operation of the HAP Affected Units, this switch shall be recorded as required by 40 CFR §63.3930(c) and reported as required by 40 CFR §63.3920.

- K. As indicated in 40 CFR §63.3900(a)(1), any coating operation for which the *Compliant Material Option* or the *Emission Rate without Add-on Controls Option* is used must be in compliance with the applicable emission limit in §63.3890 at all times.

Reporting and Recordkeeping

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

Reporting and Recordkeeping – General

- B. The owner or operator shall comply with the applicable requirements in 40 CFR Part 63, Subpart Mmmm – *National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products* [§63.3880 - §63.3981], including those not specifically mentioned in this permit. If differences in language are found between this permit and Subpart Mmmm, the language specified in Subpart Mmmm shall be considered correct.
- C. The owner or operator shall comply with the applicable requirements in 40 CFR Part 63, Subpart A – *General Provisions* [§63.1 - §63.15], except as indicated in Table 2 to Subpart Mmmm of Part 63.
- D. The owner or operator shall maintain monthly fuel purchase records to identify the type of fuel used by the Vertical Line ovens (EU-40, EU-41, and EU-42).

Reporting and Recordkeeping – Volatile Organic Compounds (VOC)

- D. At the end of each month, the owner or operator shall record the total amount of VOC, in tons, emitted from the operation of the VOC Affected Units.

Reporting and Recordkeeping – Hazardous Air Pollutants

- E. The owner or operator shall demonstrate continuous compliance with the organic HAP emission rate limit of 2.6 pounds organic HAP per gallon of solids by following the applicable procedure specified in 40 CFR §63.3942 (*Compliant Material Option*) or §63.3952 (*Emission Rate without Add-on Controls Option*).
- F. The owner or operator shall document how the compliance options described in 40 CFR §63.3891 are being applied to determine the organic HAP emission rate from the operation of the HAP Affected Units.
- G. The owner or operator shall submit all applicable notifications and reports as required by 40 CFR §63.3910 and §63.3920, respectively.
- H. The owner or operator shall maintain records as specified in 40 CFR §63.3930. This includes, but it is not limited to, the following records and documentation:
- i. A copy of each notification and report submitted to show compliance with Subpart Mmmm of Part 63 and the documentation supporting each notification and report.
 - ii. A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data or test data used to determine the mass fraction of organic HAP and density of each coating, thinner, cleaning material, etc.

- iii. If testing was conducted to determine mass fraction or organic HAP, density, or volume fraction of coating solids, the owner or operator shall keep a copy of the complete test report.
 - iv. If the information provided by the manufacturer or supplier of the material was based on testing, the owner or operator shall keep the summary sheet of results provided by the manufacturer or supplier. The owner or operator is not required to obtain the test report or other supporting documentation from the manufacturer or supplier.
 - v. For each compliance period:
 - 1. A record of the coating operations on which the owner or operator used each compliance option and the time periods (beginning and ending dates and times) that each option was used.
 - 2. If the owner or operator uses the Compliant Material Option, a record of the calculation of the organic HAP content for each coating, using Equation 2 of §63.3941.
 - 3. If the owner or operator uses the Emission Rate without Add-on Controls Option,
 - a. A record of the calculation of the total mass of organic HAP emissions for the coatings, thinners, cleaning materials, etc. used each month, using Equations 1, 1A through 1C, and 2 of §63.3951;
 - b. If applicable, a record of the calculation used to determine the mass of organic HAP in waste materials according to §63.3951(e)(4);
 - c. A record of the calculation of the total volume of coating solids used each month using Equation 2 of §63.3951; and
 - d. A record of the calculation of each 12-month organic HAP emission rate using Equation 3 of §63.3951.
 - vi. A record of the name and volume of each coating, thinner, cleaning material, etc. used during each compliance period. If the *Compliant Material Option* is used for all coatings in the operation of the HAP Affected Units, the owner or operator may maintain purchase records for each material rather than a record of the volume used.
 - vii. A record of the mass fraction of organic HAP for each coating, thinner, cleaning material, etc. used during each compliance period unless the material is tracked by weight.
 - viii. A record of the volume fraction of coating solids for each coating used during each compliance period.
 - ix. If the owner or operator uses the *Emission Rate without Add-on Controls Option*, a record of the density for each coating, thinner, cleaning material, etc. used during each compliance period.
 - x. Records of the date, time, and duration of each deviation as defined in 40 CFR §63.3981.
- I. If the facility (Plant No. 63-02-003) uses an allowance in Equation 1 of 40 CFR §63.3951 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to §63.3951(e)(4), the owner or operator shall comply with the recordkeeping requirements in §63.3930(h).

Authority for Requirement: DNR Construction Permits listed in Table Vertical Line Drying Ovens-1.

NSPS and NESHAP Applicability

This facility (Plant No. 63-02-003) is subject to the requirements in 40 CFR Part 63, Subpart MMMM – *National Emissions Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products* [567 IAC 23.1(4)“cm”], because it owns and operates a new, reconstructed, or existing surface coating operation as defined in 40 CFR §63.3981 and in accordance with 40 CFR §63.3882 that uses 250 gallons per year, or more, of coatings that contain hazardous air pollutants (HAP); that belongs in the “*general use coating*” subcategory as described in 40 CFR §63.3881(a)(2); and that is a major source, is located at a major source, or is part of a major source of HAP emissions.

In addition, any affected emission unit at this facility (Plant No. 63-02-003) is subject to the requirements in 40 CFR Part 63, Subpart A – *General Provisions* [567 IAC 23.1(4)“a”], except as indicated in Table 2 to Subpart MMMM of Part 63.

Authority for Requirement: DNR Construction Permits listed in Table Vertical Line Drying Ovens-1
 40 CFR Part 63 Subpart MMMM
 567 IAC 23.1(4)"cm"
 40 CFR Part 63 Subpart A
 567 IAC 23.1(4)"a"

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

Table Vertical Line Drying Ovens-5

	Stack Height (ft, from the ground)	Stack Opening (dia. inch)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style	Authority for Requirement DNR Construction Permit Number
EP-40	57	12 x 17	500	350	Vertical Obstructed	92-A-588-S7
EP-41	53	18 x 27.5	1000	350	Vertical Obstructed	92-A-589-S7
EP-42	53	18 x 27.5	1000	350	Vertical Obstructed	92-A-590-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: Horizontal Line Drying Ovens

Associated Equipment

Associated Emission Unit ID Numbers: EP-47, EP-48

Table Horizontal Line Drying Oven-1

EP	EU	Emission Unit Description	Raw Material	Rated Capacity (MMBtu/hr)	DNR Construction Permit Number
EP-47	EU-47	Pretreatment Dry-off Oven	Natural Gas	4.73	92-A-592-S6
EP-48	EU-48	Top Coat Bake Oven (Bypass Stack)	Natural Gas	4.73	92-A-593-S6

Applicable Requirements

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

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

Table Horizontal Line Drying Oven-2

EP	EU	Opacity	PM10 (lb/hr)	PM (gr/dscf)	VOC (tons/yr)	SO ₂ (ppmv)
EP-47	EU-47	40% ⁽¹⁾	0.04	0.1	0.9 ⁽²⁾	500
EP-48	EU-48	40% ⁽¹⁾	N/A	0.1	0.9 ⁽²⁾ 60.0 ⁽³⁾	500

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

⁽²⁾VOC bubble limit for the following emission units: Vertical Line Pretreatment Dry-off Oven, EU-40; Vertical Line Primer Bake Oven, EU-41; Vertical Line Top Coat Bake Oven, EU-42; Horizontal Line Pretreatment Dry-off Oven, EU-47; and Horizontal Line Top Coat Bake Oven, EU-48.

⁽³⁾Bubble limit for VOC emissions for Horizontal Line Paint Booths EU-35, EU-37, EU-38, and EU-110; Horizontal Line Top Coat Bake Oven EU-48; and Horizontal Line Manual Touch-up Paint Booths EU-68A and EU-68B.

Table Horizontal Line Drying Oven-3

Pollutant	Emission Limits	Authority of Requirement
Opacity	40%	DNR construction permits listed in Table Horizontal Line Drying Oven-1 567 IAC 23.3(2) "d"
PM10	0.04 lb/hr	DNR Construction Permit 92-A-592-S6
PM	0.1 gr/dscf	DNR construction permits listed in Table Horizontal Line Drying Oven-1 567 IAC 23.3(2) "a"
VOC	0.9 tons/yr; 60 tons/yr	DNR construction permits listed in Table Horizontal Line Drying Oven-1

Pollutant	Emission Limits	Authority of Requirement
SO ₂	500 ppmv	DNR construction permits listed in Table Horizontal Line Drying Oven-1 567 IAC 23.3(3) "e"

Operational Limits & Requirements

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

Operating Limits

- A. The permittee shall ensure that the operation of the Horizontal Line Pretreatment Dry-off Oven (EU-47) and the Horizontal Line Top Coat Bake Oven (EU-48) complies with all applicable requirements as described in 40 CFR Part 63, Subpart M – National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products.
- B. The Horizontal Line Pretreatment Dry-off Oven (EU-47) and Horizontal Line Top Coat Bake Oven (EU-48) shall be restricted to combust only natural gas.
- C. The permittee shall ensure that the operation of the Horizontal Line Pretreatment Dry-off Oven (EU-47) and the Horizontal Line Top Coat Bake Oven (EU-48) does not cause the exceedance of the bubble limit of 0.9 tons per year of volatile organic compounds set on the following units:
 - a. Vertical Line Pretreatment Dry-off Oven (EU-40);
 - b. Vertical Line Primer Bake Oven (EU-41);
 - c. Vertical Line Top Coat Bake Oven (EU-42);
 - d. Horizontal Line Pretreatment Dry-off Oven (EU-47); and
 - e. Horizontal Line Top Coat Bake Oven (EU-48)

Authority for Requirement: DNR Construction Permits 92-A-592-S6, 92-A-593-S6

Additional Operating Limits For EP-48

- A. The permittee shall ensure that the operation of the Horizontal Line Top Coat Bake Oven (EU-48) does not cause the exceedance of the bubble limit of 60 tons per year of volatile organic compounds sent on the following units:
 - a. Horizontal Line Paint Booth (EU-35);
 - b. Horizontal Line Paint Booth (EU-37);
 - c. Horizontal Line Paint Booth (EU-38);
 - d. Horizontal Line Top Coat Bake Oven (EU-48);
 - e. Horizontal Line Manual Touch-up Paint Booth (EU-68A);
 - f. Horizontal Line Manual Touch-up Paint Booth (EU-68B); and
 - g. Horizontal Line Paint Booth (EU-110)
- B. The permittee shall ensure that each by-pass stack is equipped with a device to determine the number of hours that the by-pass stack is open to the atmosphere. The affected by-pass stacks are:
 - a. EP-37; By-Pass Stack for the Horizontal Line Paint Booth EU-37;
 - b. EP-38; By-Pass Stack for the Horizontal Line Paint Booth EU-38; and

- c. EP-48; By-Pass Stack for the Horizontal Line Top Coat Bake Oven EU-48

Authority for Requirement: DNR Construction Permit 92-A-593-S6

Reporting and Recordkeeping

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

- A. The permittee shall maintain records as specified in 40 CFR §63.3930.
- B. The permittee shall provide all applicable notifications and reports as required by 40 CFR §63.3910 and 40 CFR §63.3920, respectively.
- C. The permittee shall maintain the following monthly records:
 - a. Fuel purchase records to identify the type of fuel used by the Horizontal Line Pretreatment Dry-off Oven (EU-47) and Horizontal Line Top Coat Bake Oven (EU-48);
 - b. The 12-month rolling total, in tons, of volatile organic compounds emitted from the following emission units:
 - i. Vertical Line Pretreatment Dry-off Oven (EU-40);
 - ii. Vertical Line Primer Bake Oven (EU-41);
 - iii. Vertical Line Top Coat Bake Oven (EU-42);
 - iv. Horizontal Line Pretreatment Dry-off Oven (EU-47);
 - v. Horizontal Line Top Coat Bake Oven (EU-48);
- E. The permittee shall keep on-site and available for inspection by the IDNR the Safety Data Sheet (SDS) for each material used at the facility.

Authority for Requirement: DNR Construction Permits 92-A-592-S6, 92-A-593-S6

Additional Reporting and Recordkeeping For EP-48

- A. The permittee shall maintain the following monthly records:
 - a. The 12-month rolling total, in tons, of volatile organic compounds emitted from the following emission units:
 - i. Horizontal Line Paint Booth (EU-35);
 - ii. Horizontal Line Paint Booth (EU-37);
 - iii. Horizontal Line Paint Booth (EU-38);
 - iv. Horizontal Line Manual Touch-up Paint Booth (EU-68A);
 - v. Horizontal Line Manual Touch-up Paint Booth (EU-68B); and
 - vi. Horizontal Line Paint Booth (EU-110)
- B. The permittee shall maintain the following daily records:
 - a. The amount, in gallons, of each material consumed by the following emission units:
 - i. Horizontal Line Paint Booth (EU-35);
 - ii. Horizontal Line Paint Booth (EU-37);
 - iii. Horizontal Line Paint Booth (EU-38);
 - iv. Horizontal Line Manual Touch-up Paint Booth (EU-68A);
 - v. Horizontal Line Manual Touch-up Paint Booth (EU-68B); and

- vi. Horizontal Line Paint Booth (EU-110)
- b. The volatile organic compounds (VOC) and solid content, in pounds per gallon, for each painting material used by the following emission units:
 - i. Horizontal Line Paint Booth (EU-35);
 - ii. Horizontal Line Paint Booth (EU-37);
 - iii. Horizontal Line Paint Booth (EU-38);
 - iv. Horizontal Line Manual Touch-up Paint Booth (EU-68A);
 - v. Horizontal Line Manual Touch-up Paint Booth (EU-68B); and
 - vi. Horizontal Line Paint Booth (EU-110)
- c. The number of hours that each by-pass stack is open to the atmosphere. The affected by-pass stacks are:
 - i. EP-37; By-Pass Stack for the Horizontal Line Paint Booth EU-37;
 - ii. EP-38; By-Pass Stack for the Horizontal Line Paint Booth EU-38; and
 - iii. EP-48; By-Pass Stack for the Horizontal Line Top Coat Bake Oven EU-48

Authority for Requirement: DNR Construction Permit 92-A-593-S6

NSPS and NESHAP Applicability

These emission units are subject to 40 CFR Part 63, Subpart M – *National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products*. This is because the Horizontal Line Pretreatment Dry-off Oven (EU-47) and Horizontal Line Top Coat Bake Oven (EU-48) are part of an affected source, as defined by 40 CFR §63.3882, “that uses 250 gallons per year, or more, of coatings that contain hazardous air pollutants (HAP) in the surface coating of miscellaneous metal parts and products, as defined in 40 CFR §63.3881, and that is a major source, is located at a major source, or is part of a major source of emissions of HAP.”

The emission units are part of an affected source, as defined by 40 CFR §63.3882, that is also subject to the requirements of 40 CFR Part 63, Subpart A – *General Provisions* (40 CFR §63.1 through 40 CFR §63.15), except as provided by Table 2 to Subpart M.

Authority for Requirement: DNR Construction Permits 92-A-592-S6, 92-A-593-S6
 40 CFR Part 63 Subpart M
 567 IAC 23.1(4)"cm"
 40 CFR Part 63 Subpart A
 567 IAC 23.1(4)"a"

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

Table Horizontal Line Drying Oven-3

	Stack Height (ft, from the ground)	Stack Opening (dia. inch)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style	Authority for Requirement DNR Construction Permit Number
EP-47	37	11.5 x 17	700	350	Vertical Obstructed	92-A-592-S6
EP-48	46	18.5	700	350-450	Vertical Obstructed	92-A-593-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 Number: Horizontal Line Paint Booths

Associated Equipment

Table Horizontal Line Paint Booths-1

EP	EU	Emission Unit Description	Raw Material	Rated Capacity (gal/hr)
EP-35	EU-35	Paint Booth (2 electrostatic rotary bells)	Paint	7.9 (each)
EP-37	EU-37	Paint Booth (Bypass Stack) (3 electrostatic rotary bells and 2 HVLP guns)	Paint	7.9 (each rotary bell) 6 (each gun)
EP-38	EU-38	Paint Booth (Bypass Stack) (3 electrostatic rotary bells and 2 HVLP guns)	Paint	7.9 (each rotary bell) 6 (each gun)
EP-68A	EU-68	Manual Touch-Up Paint Booth (1 HVLP gun)	Paint	7.5
EP-68B				
EP-110	EU-110	Paint Booth (2 electrostatic rotary bells)	Paint	7.9 (each)

Table Horizontal Line Paint Booths-2

EP	EU	Emission Unit Description	CE	DNR Construction Permit
EP-35	EU-35	Paint Booth	CE-35/Dry Filters	92-A-606-S12
EP-37	EU-37	Paint Booth (Bypass Stack)	CE-37/Dry Filters	92-A-644-S12
EP-38	EU-38	Paint Booth (Bypass Stack)	CE-38/Dry Filters	92-A-608-S12
EP-68A	EU-68	Manual Touch-Up Paint Booth	CE-68A/Dry Filters	92-A-645-S12
EP-68B			CE-68B/Dry Filters	02-A-910-S7
EP-110	EU-110	Paint Booth	CE-110/Dry Filters	02-A-911-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.

Table Horizontal Line Paint Booths-3

EP	EU	Opacity	PM10 (lb/hr)	PM (gr/dscf)
EP-35	EU-35	40% ⁽¹⁾	0.01	0.01
EP-37	EU-37	40% ⁽¹⁾	0.01	0.01
EP-38	EU-38	40% ⁽¹⁾	0.01	0.01
EP-68A	EU-68	40% ⁽¹⁾	0.09	0.01
EP-68B		40% ⁽¹⁾	0.02	0.01
EP-110	EU-110	40% ⁽¹⁾	0.01	0.01

⁽¹⁾ An exceedance of the indicator opacity of 10% will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the

exceedance. If exceedances continue after the corrections, the Department may require additional proof to demonstrate compliance (e.g., stack testing).

Table Horizontal Line Paint Booths-4

Pollutant	Emission Limits	Authority of Requirement
Opacity	40%	DNR construction permits listed in Table Horizontal Line Paint Booths-2 567 IAC 23.3(2) "d"
PM10	Limits in Table Horizontal Line Paint Booths-3	DNR construction permits listed in Table Horizontal Line Paint Booths-2
PM	0.01 gr/dscf	DNR construction permits listed in Table Horizontal Line Paint Booths-2 567 IAC 23.4(13)
VOC	60.0 ton/yr	DNR construction permits listed in Table Horizontal Line Paint Booths-2

Pollutant: Volatile Organic Compounds

Emission Limit(s): 60.0 tons/yr ⁽²⁾

Authority for Requirement: DNR Construction Permits listed in Table Horizontal Line Paint Booths-2

⁽²⁾ Bubble limit for emission points EP-35, EP-37, EP-38, EP-48, EP-68A, EP-68B, EP-110, and EP-CO2. These eight emission points are associated with six emission units, i.e., Horizontal Line Paint Booths EU-35, EU-37, EU-38, and EU-110; Horizontal Line Top Coat Bake Oven EU-48; and Horizontal Line Manual Touch-Up Paint Booth EU-68.

Other Emission Limits – National Emission Standards for Hazardous Air Pollutants

Table Horizontal Line Paint Booths-5

EP	EU	Total Organic HAP	Authority for Requirement
EP-35	EU-35	2.6 lb organic HAP/gal coating solids	DNR construction permits listed in Table Horizontal Line Paint Booths-2 40 CFR Part 63 Subpart M 567 IAC 23.1(4) "cm"
EP-37	EU-37	2.6 lb organic HAP/gal coating solids	
EP-38	EU-38	2.6 lb organic HAP/gal coating solids	
EP-68A	EU-68	2.6 lb organic HAP/gal coating solids	
EP-68B			
EP-110	EU-110	2.6 lb organic HAP/gal coating solids	

Operational Limits & Requirements

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

Operating Limits – General

For EP-37 and EP-38 Only

- A. The owner or operator is limited to using no more than 3 electrostatic rotary bells and 2 high-volume/low-pressure (HVLP) guns simultaneously with a maximum total capacity of 35.7 gallons per hour within each of the Horizontal Line Paint booths (EU-37, EU-38).
- B. The owner or operator shall equip each by-pass stack with a device to determine the number of hours that the by-pass stack is open to the atmosphere. The affected by-pass stacks are:
 - i. EP-37: By-Pass Stack for the Horizontal Line Paint Booth EU-37;
 - ii. EP-38: By-Pass Stack for the Horizontal Line Paint Booth EU-38; and
 - iii. EP-48: By-Pass Stack for the Horizontal Line Top Coat Bake Oven EU-48

Authority for Requirement: DNR Construction Permits 92-A-644-S12, 92-A-608-S12

For EP-68A and EP-68B Only

- A. The owner or operator is limited to using no more than one high-volume/low-pressure (HVLP) gun with a maximum capacity of 7.5 gallons per hour within the Horizontal Line Manual Touch-Up Paint booths (EU-68).

Authority for Requirement: DNR Construction Permits 92-A-645-S12, 02-A-910-S7

For EP-35 and EP-110 Only

- A. The owner or operator is limited to using no more than 2 electrostatic rotary bells simultaneously with a maximum total capacity of 15.8 gallons per hour within each of the Horizontal Line Paint booths (EU-35, EU-110).

Authority for Requirement: DNR Construction Permits 92-A-606-S12, 02-A-911-S6

For EP-35, EP-37, EP-38, EP-68A, EP-68B, and EP-110

- A. The owner or operator shall maintain the dry filters (CE-35, CE-37, CE-38, CE-68A, CE-68B, CE-110) associated with the Horizontal Line Touch-Up Paint Booth (EU-35, EU-37, EU-38, EU-68, EU-110) according to manufacturer’s specifications and maintenance schedule.
- B. The following emission units shall collectively be referred to as the “Horizontal Line Group” for the purposes of this permit:

<i>Emission Unit Name</i>	<i>Emission Unit ID</i>	<i>Emission Point ID</i>
Horizontal Line Paint Booth	EU-35	EP-35

Horizontal Line Paint Booth	EU-37	EP-37 (By-Pass Stack) and EP-CO2 (Catalytic Oxidizer)
Horizontal Line Paint Booth	EU-38	EP-38 (By-Pass Stack) and EP-CO2 (Catalytic Oxidizer)
Horizontal Line Top Coat Bake Oven	EU-48	EP-48 (By-Pass Stack) and EP-CO2 (Catalytic Oxidizer)
Horizontal Line Manual Touch-Up Paint Booth	EU-68	EP-68A and EP-68B
Horizontal Paint Booth	EU-110	EP-110

- C. The owner or operator shall maintain the emission units in the Horizontal Line Group according to the provision in 40 CFR §63.6(e)(1)(i) as per the compliance requirements in 40 CFR §63.3900(b).

Authority for Requirement: DNR Construction Permits listed in Table Horizontal Line Paint Booths-2

Operating Limits – Volatile Organic Compounds (VOC)

- A. The VOC content of any material (coatings, thinners, cleaning materials, etc.) used in the Horizontal Line Group surface coating operation shall not exceed 7.0 pounds per gallon.
- B. The owner or operator shall ensure that the operation of the emission units in the Horizontal Line Group does not cause the exceedance of the VOC bubble emission limit of 60 tons per each rolling twelve-month period as required in this permit (see Emission Limitation section).

Authority for Requirement: DNR Construction Permits listed in Table Horizontal Line Paint Booths-2

Operating Limits – Hazardous Air Pollutants (HAP)

For EP-35, EP-68A, EP-68B, and EP-110

- A. The owner or operator may use the *Compliant Material Option* as specified in 40 CFR §63.3891(a) or the *Emission Rate without Add-on Controls Option* as specified in 40 CFR §63.3891(b); however, prior to implementing the *Emission Rate with Add-on Controls Option* as specified in 40 CFR §63.3981(c), the owner or operator must submit a request to the Department to modify the corresponding construction permits.

Authority for Requirement: DNR Construction Permits 92-A-606-S12, 92-A-645-S12, 02-A-910-S7, 02-A-911-S6

For EP-37 and EP-38 Only

- A. Whenever the Horizontal Line Paint Booth EU-37 or EU-38 exhausts through By-Pass Stack EP-37 or EU-38, the owner or operator may only use either the *Compliant Material Option*

as specified in 40 CFR §63.3891(a) or the *Emission Rate without Add-on Controls Option* as specified in 40 CFR §63.3891(b).

Authority for Requirement: DNR Construction Permits 92-A-644-S12, 92-A-608-S12

For EP-35, EP-37, EP-38, EP-68A, EP-68B, and EP-110

- A. In accordance with 40 CFR §63.3890(b)(1), the owner or operator shall limit organic HAP emissions from the Horizontal Line Group surface coating operation to no more than 2.6 pounds organic HAP per gallon of solids used during each compliance period. A compliance period consists of 12 months. Each month is the end of a compliance period consisting of that month and the preceding 11 months. (See Other Emission Limits section).
- B. As specified in 40 CFR §63.3891, the owner or operator shall include all coatings (as defined in §63.3981), thinners, and cleaning materials used in the Horizontal Line Group surface coating operation when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit of 2.6 pounds of organic HAP per gallon of solids. To make this determination, the owner or operator shall use at least one of the compliance options listed in 40 CFR §63.3891 and allowed by this permit (see For EP-35, EP-68A, EP-68B, and EP-110 section condition A above).
- C. The use of the compliance options described in 40 CFR §63.3891 shall adhere to the following guidelines:
 - i. The owner or operator may apply any of the compliance options allowed by this permit to an individual coating operation, or to multiple coating operations as a group, or to the entire affected source.
 - ii. The owner or operator may use different compliance options for different coating operations or at different times on the same coating operation.
 - iii. The owner or operator may employ different compliance options when different coatings are applied to the same part or when the same coating is applied to different parts.
 - iv. However, the owner or operator may not use different compliance options at the same time on the same coating operation.
 - v. If the owner or operator switches between compliance options for the Horizontal Line Group surface coating operation, this switch shall be recorded as required by 40 CFR §63.3930(c) and reported as required by in 40 CFR §63.3920.
- D. As indicated in 40 CFR §63.3900(a)(1), any coating operation for which the *Compliant Material Option* or the *Emission Rate without Add-on Controls Option* is used must be in compliance with the applicable emission limit in §63.3890 at all times.

Authority for Requirement: DNR Construction Permits listed in Table Horizontal Line Paint Booths-2

Reporting and Recordkeeping

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

Reporting and Recordkeeping – General

For EP-37 and EP-38 Only

- A. The owner or operator shall maintain a specification sheet for any rotary bell and any HVLP gun used in the Horizontal Line Paint Booth (EU-37 and EU-38) to verify the capacity of the rotary bells and the HVLP guns.
- B. The owner or operator shall keep monthly records of the number of hours that each by-pass stack is open to the atmosphere. The affected by-pass stacks are:
 - i. EP-37: By-Pass Stack for the Horizontal Line Paint Booth EU-37;
 - ii. EP-38: By-Pass Stack for the Horizontal Line Paint Booth EU-38; and
 - iii. EP-48: By-Pass Stack for the Horizontal Line Top Coat Bake Oven EU-48.

Authority for Requirement: DNR Construction Permits 92-A-644-S12, 92-A-608-S12

For EP-68A and EP-68B Only

- A. The owner or operator shall maintain a specification sheet for the HVLP gun used in the Horizontal Line Manual Touch-Up Paint Booth (EU-68) to verify the capacity of this gun.

Authority for Requirement: DNR Construction Permits 92-A-645-S12, 02-A-910-S7

For EP-35 and EP-110 Only

- A. The owner or operator shall maintain a specification sheet for any rotary bell used in the Horizontal Line Paint Booth (EU-35 and EU-110) to verify the capacity of the rotary bells.

Authority for Requirement: DNR Construction Permits 92-A-606-S12, 02-A-911-S6

For EP-35, EP-37, EP-38, EP-48, EP-68A, EP-68B, and EP-110

- A. The owner or operator shall maintain a record of all inspections and maintenance of the dry filters (CE-35, CE-37, CE-38, CE-68A, CE-68B, CE-110) and any action resulting from these.
- B. The owner or operator shall comply with the applicable requirements in 40 CFR Part 63, Subpart Mmmm – *National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products* [§63.3880 - §63.3981], including those not specifically mentioned in this permit. If differences in language are found between this permit and Subpart Mmmm, the language specified in Subpart Mmmm shall be considered correct.
- C. The owner or operator shall comply with the applicable requirements in 40 CFR Part 63, Subpart A – *General Provisions* [§63.1 - §63.15], except as indicated in Table 2 to Subpart Mmmm of Part 63.
- D. The owner or operator shall maintain manufacturer and vendor provided information (Safety Data Sheets (SDS), technical data sheets, etc.) for all materials used in the Horizontal Line Group surface coating operation.

Reporting and Recordkeeping – Volatile Organic Compounds (VOC)

- F. The owner or operator shall maintain daily records of the number of gallons of material (coatings, thinners, cleaning materials, etc.) used in the Horizontal Line Group surface coating operation.
- G. The owner or operator shall maintain daily records on the identification and the VOC content (pounds per gallon) for each material (coatings, thinners, cleaning materials, etc.) used in the Horizontal Line Group surface coating operation.
- H. At the end of each month, the owner or operator shall record the total amount of VOC, in tons, emitted from the Horizontal Line Group surface coating operation over the previous month.
- I. At the end of each month, the owner or operator shall record the total amount of VOC, in tons, emitted from the Horizontal Line Group surface coating operation over the previous 12 months.
- J. The owner or operator shall implement the following procedure if the 12-month rolling total of VOC emitted from the Horizontal Line Group surface coating operation exceeds 45 tons (75 percent of the VOC bubble emission limit).
 - i. At the end of each day, the owner or operator shall calculate and record the total amount of VOC, in tons, emitted from the Horizontal Line Group surface coating operation over the previous day.
 - ii. At the end of each day, the owner or operator shall calculate and record the total amount of VOC, in tons, emitted from the Horizontal Line Group surface coating operation over the previous 365 days.
 - iii. Daily calculations and recordkeeping of VOC emissions shall continue until the rolling 12-month total amount drops below 45 tons on the last day of the month. Monthly calculations of VOC emissions shall then begin in the following month.
- K. Should the facility (Plant No. 63-02-003) choose to take credit for waste shipped off-site, the owner or operator shall record the time and amount of waste shipped off-site and maintain a record that documents the VOC content of the waste. The credit may be subtracted from the VOC rolling total in the month of the date the waste is shipped off-site.

Reporting and Recordkeeping – Hazardous Air Pollutants (HAP)

- L. The owner or operator shall demonstrate continuous compliance with the organic HAP emission rate limit of 2.6 pounds organic HAP per gallon of solids by following the applicable procedure specified in 40 CFR §63.3942 (*Compliant Material Option*) or §63.3952 (*Emission Rate without Add-on Controls Option*).
- M. The owner or operator shall document how the compliance options described in 40 CFR §63.3891 are being applied to determine the organic HAP emission rate from the Horizontal Line Group surface coating operation.
- N. The owner or operator shall submit all applicable notifications and reports as required by 40 CFR §63.3910 and §63.3920, respectively.
- O. The owner or operator shall maintain records as specified in 40 CFR §63.3930. This includes, but it is not limited to, the following records and documentation:
 - i. A copy of each notification and report submitted to show compliance with Subpart MMMM of Part 63 and the documentation supporting each notification and report.
 - ii. A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data or test data used to determine the mass fraction of

- organic HAP and density of each coating, thinner, cleaning material, etc.
 - iii. If testing was conducted to determine mass fraction of organic HAP, density, or volume fraction of coating solids, the owner or operator shall keep a copy of the complete test report.
 - iv. If the information provided by the manufacturer or supplier of the material was based on testing, the owner or operator shall keep the summary sheet of results provided by the manufacturer or supplier. The owner or operator is not required to obtain the test report or other supporting documentation from the manufacturer or supplier.
 - v. For each compliance period:
 - a. A record of the coating operations on which the owner or operator used each compliance option and the time periods (beginning and ending dates and times) that each option was used.
 - b. If the owner or operator uses the *Compliant Material Option*, a record of the calculation of the organic HAP content for each coating, using Equation 2 of §63.3941.
 - c. If the owner or operator uses the *Emission Rate without Add-on Controls Option*,
 - i. A record of the calculation of the total mass of organic HAP emissions for the coatings, thinners, cleaning materials, etc. used each month, using Equations 1, 1A through 1C, and 2 of §63.3951;
 - ii. If applicable, a record of the calculation used to determine the mass of organic HAP in waste materials according to §63.3951(e)(4);
 - iii. A record of the calculation of the total volume of coating solids used each month using Equation 2 of §63.3951; and
 - iv. A record of the calculation of each 12-month organic HAP emission rate using Equation 3 of §63.3951.
 - vi. A record of the name and volume of each coating, thinner, cleaning material, etc. used during each compliance period. If the *Compliant Material Option* is used for all coatings at the Horizontal Line Group surface coating operation, the owner or operator may maintain purchase records for each material rather than a record of the volume used.
 - vii. A record of the mass fraction of organic HAP for each coating, thinner, cleaning material, etc. used during each compliance period unless the material is tracked by weight.
 - viii. A record of the volume fraction of coating solids for each coating used during each compliance period.
 - ix. If the owner or operator uses the *Emission Rate without Add-on Controls Option*, a record of the density for each coating, thinner, cleaning material, etc. used during each compliance period.
 - x. Records of the date, time, and duration of each deviation as defined in 40 CFR §63.3981.
- P. If the facility (Plant No. 63-02-003) uses an allowance in Equation 1 of 40 CFR §63.3951 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to §63.3951(e)(4), the owner or operator shall comply with the recordkeeping requirements in §63.3930(h).

Authority for Requirement: DNR Construction Permits listed in Table Horizontal Line Paint

Booths-2

NSPS and NESHAP Applicability

This facility (Plant No. 63-02-003) is subject to the requirements in 40 CFR Part 63, Subpart Mmmm – *National Emissions Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products* [567 IAC 23.1(4)"cm"], because it owns and operates a new, reconstructed, or existing surface coating operation as defined in 40 CFR §63.3981 and in accordance with 40 CFR §63.3882 that uses 250 gallons per year, or more, of coatings that contain hazardous air pollutants (HAP); that belongs in the "general use coating" subcategory as described in 40 CFR §63.3881(a)(2); and that is a major source, is located at a major source, or is part of a major source of HAP emissions.

In addition, any affected emission unit at this facility (Plant No. 63-02-003) is subject to the requirements in 40 CFR Part 63, Subpart A – *General Provisions* [567 IAC 23.1(4)"a"], except as indicated in Table 2 to Subpart Mmmm of Part 63.

Authority for Requirement: DNR Construction Permits listed in Table Horizontal Line Paint Booths-2
 40 CFR Part 63 Subpart Mmmm
 567 IAC 23.1(4)"cm"
 40 CFR Part 63 Subpart A
 567 IAC 23.1(4)"a"

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

Table Horizontal Line Paint Booths-6

	Stack Height (ft, from the ground)	Stack Opening (dia. inch)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style	Authority for Requirement DNR Construction Permit
EP-35	37	18	3,900	70	Vertical Unobstructed	92-A-606-S12
EP-37	36.5	18	3,900	70	Vertical Unobstructed	92-A-644-S12
EP-38	37.5	18	3,900	70	Vertical Unobstructed	92-A-608-S12
EP-68A	54	30.5	7,360	70	Vertical Unobstructed	92-A-645-S12
EP-68B	42	30.5	6,630	70	Vertical Unobstructed	02-A-910-S7
EP-110	37.9	18	2,000	70	Vertical Unobstructed	02-A-911-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)

Paint Booth Agency Operation & Maintenance Plan

Weekly

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

Record Keeping and Reporting

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

Quality Control

- The filter equipment will be operated and maintained according to the manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-CO2

Associated Equipment

Associated Emission Unit ID Numbers: EU-37, EU-38, EU-48

Emissions Control Equipment ID Number: CE-CO2

Emissions Control Equipment Description: Catalytic Oxidizer (Natural Gas, 5.5 MMBtu/hr)

EP	EU	Emission Unit Description	Raw Material	Rated Capacity	DNR Construction Permit
EP-CO2	EU-37	Rotary Atomizer Paint Spray System (Bypass Stack)	Paint	7.9 gal/hr (each rotary bell) 6 gal/hr (each gun)	07-A-454
	EU-38	Horizontal Line Paint Spray Booth (Bypass Stack)	Paint	7.9 gal/hr (each rotary bell) 6 gal/hr (each gun)	
	EU-48	Horizontal Line Top Coat Drying Oven (Bypass Stack)	Natural Gas	4.73 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 07-A-454
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.01 gr/dscf

Authority for Requirement: DNR Construction Permit 07-A-454
567 IAC 23.4(13)

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

Authority for Requirement: DNR Construction Permit 07-A-454
567 IAC 23.3(3)

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 60.0 ton/yr ⁽²⁾

Authority for Requirement: DNR Construction Permit 07-A-454

⁽²⁾The total VOC PTE shall not exceed 60 tons per twelve-month rolling period for the following emission points: EP-35, EP-37, EP-38, EP-48, EP-68A, EP-68B, EP-110 & EP-CO2.

Operational Limits & Requirements

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

Operating Limits

- A. The maximum VOC content of any coating or solvent used shall not exceed 7.0 pounds per gallon.
- B. Each by-pass stack (EP-37, EP-38 & EP-48) shall be equipped with a device to determine the number of hours the by-pass stack is open to the atmosphere.

Reporting and Recordkeeping

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

- A. Record the VOC and total HAP content of any coating or solvent used in pounds per gallon.
- B. Record the amount of preservative coating or solvent used in gallons on a daily basis.
- C. For each by-pass stack (EP-37, EP-38 & EP-48) record the number of hours they are open on a daily basis.
- D. Calculate and record the total VOC amount in tons per month that are emitted by the by-pass stack, EP-CO2.
- E. Calculate and record on a rolling 12-month basis the total emissions from EP-35, EP-37, EP-38, EP-48, EP-68A, EP-68B, EP-110 & EP-CO2 to ensure the total emissions are below the 60.0 tpy limit.
- F. The permit holder, owner or operator of the facility shall maintain manufacturer/vendor provided information (i.e., Material Safety Data Sheets (MSDS), technical data sheets, etc.) of all materials used in the emission unit, which clearly indicates the VOC and HAP content of that material.

Authority for Requirement: DNR Construction Permit 07-A-454

NSPS and NESHAP Applicability

This emission unit is subject to NESHAP Subpart A – *General Provisions* and Subpart M – *National Emission Standard for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products*.

Authority for Requirement: DNR Construction Permit 07-A-454
40 CFR Part 63 Subpart M
567 IAC 23.1(4)"cm"
40 CFR Part 63 Subpart A
567 IAC 23.1(4)"a"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

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

Stack Opening, (inches, dia.): 34

Exhaust Flow Rate (scfm): 8,394

Exhaust Temperature (°F): 550

Discharge Style: Vertical without rain cap or with un-obstructing rain cap

Authority for Requirement: DNR Construction Permit 07-A-454

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-3

Associated Equipment

Associated Emission Unit ID Numbers: EU-3
Emissions Control Equipment ID Number: CE-3
Emissions Control Equipment Description: Dry Filter

Emission Unit vented through this Emission Point: EU-3
Emission Unit Description: Paint/Lacquer Spray Booth
Raw Material/Fuel: Paint, Vanish
Rated Capacity: 5.2 gal/hr

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40% ⁽¹⁾
Authority for Requirement: DNR Construction Permit 05-A-648-S1
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM₁₀)
Emission Limit(s): 2.14 lb/hr
Authority for Requirement: DNR Construction Permit 05-A-648-S1

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.01 gr/dscf
Authority for Requirement: DNR Construction Permit 05-A-648-S1
567 IAC 23.4(13)

Pollutant: Total HAP
Emission Limit(s): 231 g HAP/L Solids ⁽²⁾
Authority for Requirement: DNR Construction Permit 05-A-648-S1
40 CFR Part 63 Subpart QQQQ
567 IAC 23.1(4)"cq"

⁽²⁾231 grams of HAPs/liter of solids = 1.93 lb of HAPs/gal of solids.

Operational Limits & Requirements

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

Operating Limits

- A. The maximum VOC content of any material (i.e. paint, solvent, lacquer, etc.) used shall not exceed 8.0 pounds per gallon.
- B. This unit shall not use more than 2,220 gallons of materials (i.e. paint, solvent, lacquer, etc.) per rolling twelve (12) month period.

Reporting and Recordkeeping

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

- A. A record of all materials used and their respective VOC contents.
- B. Determine the cumulative amount of material (i.e. paint, solvent, lacquer, etc.) used (in gallons/year) in this emission unit on a rolling-12-month basis for each month of operation.
- C. Monitoring for NESHAP Subpart QQQQ at the facility shall be done per the subpart.
- D. Recordkeeping for NESHAP Subpart QQQQ at the facility shall be done per the subpart.

Authority for Requirement: DNR Construction Permit 05-A-648-S1

NSPS and NESHAP Applicability

This emission unit is subject to NESHAP Subpart A – *General Provisions* and Subpart QQQQ – National Emission Standards for Hazardous Air Pollutants: *Surface Coating of Wood Building Products*.

Authority for Requirement: DNR Construction Permit 05-A-648-S1
40 CFR Part 63 Subpart QQQQ
567 IAC 23.1(4)"cq"
40 CFR Part 63 Subpart A
567 IAC 23.1(4)"a"

Emission Point Characteristics

The 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): 18,000-22,000
- Exhaust Temperature (°F): Ambient
- Discharge Style: Vertical Unobstructed
- Authority for Requirement: DNR Construction Permit 05-A-648-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

Paint Booth Agency Operation & Maintenance Plan

Weekly

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

Record Keeping and Reporting

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

Quality Control

- The filter equipment will be operated and maintained according to the manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-8

Associated Equipment

Associated Emission Unit ID Numbers: EU-8
Emissions Control Equipment ID Number: CE-8
Emissions Control Equipment Description: Dry Filter

Emission Unit vented through this Emission Point: EU-8
Emission Unit Description: Reorder Booth
Raw Material/Fuel: Paint
Rated Capacity: 6.7 gal/hr

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40% ⁽¹⁾
Authority for Requirement: DNR Construction Permit 00-A-181-S6
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM₁₀)
Emission Limit(s): 0.53 lb/hr
Authority for Requirement: DNR Construction Permit 00-A-181-S6

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.01 gr/dscf
Authority for Requirement: DNR Construction Permit 00-A-181-S6
567 IAC 23.4(13)

Operational Limits & Requirements

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

Operating Limits

- A. Only one paint spray gun with a maximum spray capacity equal to or less than 6.7 gal/hr shall be operated in this booth at one time.
- B. The maximum solids content of any painting materials used in this booth is limited to no

- more than 11.0 lb/gal.
- C. The maximum VOC content of any painting materials used in this booth is limited to no more than 6.5 lbs VOC/gal as applied.
 - D. For frames that are coated only within this booth, painting materials are limited to no more than 3,500 gallons per twelve month rolling period. Painting materials are defined as paints, solvents, lacquers, and any other liquids used for surface coating products at the facility.
 - E. For partial frame components which were damaged in manufacturing that are painted within this booth, but where the rest of the frame was painted at a different booth or line, any VOC emissions due to painting that component shall be accounted for under the emission conditions and limits of the applicable different booth or line.

Reporting and Recordkeeping

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

- A. Record VOCs and solids content in lbs/gal for each painting material used in the booth.
- B. Record monthly usage in gallons/month for each painting material used in the booth for each category. For example, frames painted solely in EP-8, vertical line components, and horizontal line components.
- C. Determine the amount of painting material used in a twelve month period for frames painted solely in EP-8, rolled monthly.
- D. If components from a different line or booth are painted in EP-8 that month, include the VOC emissions due to each category from EP-8 when calculating compliance for the different line or booth.
- E. Record maintenance and replacement of filters.

Authority for Requirement: DNR Construction Permit 00-A-181-S6

NSPS and NESHAP Applicability

This emission unit is subject to NESHAP Subpart A – *General Provisions* and Subpart M – *National Emission Standards for Hazardous Air Pollutants: Surface Coating of Miscellaneous Metal Parts and Product*.

Authority for Requirement: DNR Construction Permit 00-A-181-S6
40 CFR Part 63 Subpart M
567 IAC 23.1(4)"cm"
40 CFR Part 63 Subpart A
567 IAC 23.1(4)"a"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 55

Stack Opening, (inches, dia.): 38

Exhaust Flow Rate (scfm): 24,500
Exhaust Temperature (°F): 70
Discharge Style: Vertical Unobstructed
Authority for Requirement: DNR Construction Permit 00-A-181-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

Paint Booth Agency Operation & Maintenance Plan

Weekly

- Observe the paint booth system for conditions that reduce the operating efficiency of the collection system. When indicated by operational parameters, inspect the control filter layers. Operational parameters include spray pattern appearance, booth ventilation observation, coated parts appearance including coating thickness, Hz reading (range of 20 – 65 Hz) on the variable speed drive, pressure drop on magnehelix, and any other facility-determined observation or measurement of operating efficiency.
- Maintain a written record of a pocket filter change resulting from the inspection.

Record Keeping and Reporting

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

Quality Control

- The filter equipment will be operated and maintained according to the manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-52

Associated Equipment

Associated Emission Unit ID Numbers: EU-52
Emissions Control Equipment ID Number: CE-52
Emissions Control Equipment Description: Dry Filter

Emission Unit vented through this Emission Point: EU-52
Emission Unit Description: Paint Spray Booth - Maintenance Paint Booth
Raw Material/Fuel: Paint
Rated Capacity: 6.7 gal/hr

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40% ⁽¹⁾
Authority for Requirement: DNR Construction Permit 04-A-437-S3
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM₁₀)
Emission Limit(s): 1.71 lb/hr
Authority for Requirement: DNR Construction Permit 04-A-437-S3

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.01 gr/dscf
Authority for Requirement: DNR Construction Permit 04-A-437-S3
567 IAC 23.4(13)

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 8.9 ton/yr
Authority for Requirement: DNR Construction Permit 04-A-437-S3

Operational Limits & Requirements

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

Operating Limits

- A. Material usage at this booth shall be limited to a maximum of 2,220 gallons per twelve month rolling period.
- B. Material used at this booth shall be limited to a maximum VOC content of 8.0 lb VOC/gallon as applied.
- C. This booth shall be limited to using only one spray gun at any one time.
- D. This booth shall be limited to using a spray gun with a maximum capacity of 6.7 gal/hr.

Reporting and Recordkeeping

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

- A. The owner or operator shall record the amount of material used in this booth, and update the twelve month rolling total on a monthly basis.
- B. The owner or operator shall keep Material Safety Data Sheets (MSDS) of all materials used in this booth, which demonstrate the VOC content.
- C. The owner or operator shall keep the manufacturer's specifications on each spray gun used in this booth, which demonstrates the maximum spray capacity.

Authority for Requirement: DNR Construction Permit 04-A-437-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.): 42

Exhaust Flow Rate (scfm): 20,000

Exhaust Temperature (°F): 70

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 04-A-437-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

Agency Paint Booth Operation and Maintenance Plan

Weekly

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

Record Keeping and Reporting

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

Quality Control

- The filter equipment will be operated and maintained according to the manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: Paint Booths

Associated Equipment

Table Paint Booths-1

EP	EU	Emission Unit Description	Raw Material	Rated Capacity (gal/hr)
EP-29	EU-29	Paint Spray Booth - Hardware Booth (1 HVLP Gun)	Paint	5
EP-31	EU-31	Vertical Line Paint Booth Stack (1 Spinning Disc Gun)	Paint	19
EP-32	EU-32	Vertical Line Paint Booth Stack (1 Spinning Disc Gun)	Paint	19
EP-33	EU-33	Vertical Line Paint Booth Stack (1 Spinning Disc Gun)	Paint	19
EP-34	EU-34	Vertical Line Paint Booth Stack (1 Spinning Disc Gun)	Paint	19

Table Paint Booths-2

EP	EU	Emission Unit Description	CE	DNR Construction Permit
EP-29	EU-29	Paint Spray Booth - Hardware Booth	CE-29/Dry Filter	92-A-596-S9
EP-31	EU-31	Vertical Line Paint Booth Stack	CE-31/Dry Filter	92-A-602-S8
EP-32	EU-32	Vertical Line Paint Booth Stack	CE-32/Dry Filter	92-A-603-S8
EP-33	EU-33	Vertical Line Paint Booth Stack	CE-33/Dry Filter	92-A-604-S9
EP-34	EU-34	Vertical Line Paint Booth Stack	CE-34/Dry Filter	92-A-605-S9

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.

Table Paint Booths-3

EP	EU	Opacity	PM10 (lb/hr)	PM (lb/hr)	PM (gr/dscf)	VOC (tons/yr) ⁽²⁾
EP-29	EU-29	40% ⁽¹⁾	0.35	0.35	0.01	164.0
EP-31	EU-31	40% ⁽¹⁾	0.27	0.27	0.01	164.0
EP-32	EU-32	40% ⁽¹⁾	0.27	0.27	0.01	164.0
EP-33	EU-33	40% ⁽¹⁾	0.27	0.27	0.01	164.0
EP-34	EU-34	40% ⁽¹⁾	0.27	0.27	0.01	164.0

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

⁽²⁾This bubble limit applies to the following units: (1) Hardware Paint Booth, EU-29; (2) Vertical Line Paint Booth, EU-31; (3) Vertical Line Paint Booth, EU-32; (4) Vertical Line Paint Booth, EU-33; and (5)

Vertical Line Paint Booth, EU-34. It does not apply to any other unit at this facility and it cannot be relieved without PSD review. In addition, this limit does not include VOC emissions from the combustion of natural gas in the dry-off ovens (EU-40 and EU-47) and the bake ovens (EU-41, EU-42, and EU-48).

Table Paint Booths-4

Pollutant	Emission Limits	Authority of Requirement
Opacity	40%	DNR construction permits listed in Table Paint Booths-2 567 IAC 23.3(2) "d"
PM ₁₀	0.35 lb/hr or 0.27 lb/hr	DNR construction permits listed in Table Paint Booths-2
PM	0.35 lb/hr or 0.27 lb/hr	DNR construction permits listed in Table Paint Booths-2
PM	0.01 gr/dscf	DNR construction permits listed in Table Paint Booths-2 567 IAC 23.4(13)
VOC	164.0 ton/yr	DNR construction permits listed in Table Paint Booths-2

Other Emission Limits – National Emission Standards for Hazardous Air Pollutants

Table Paint Booths-5

EP	EU	Total Organic HAP	Authority for Requirement
EP-29	EU-29	2.6 lb organic HAP/gal of solid	DNR construction permits listed in Table Paint Booths-2 40 CFR Part 63 Subpart M 567 IAC 23.1(4) "cm"
EP-31	EU-31	2.6 lb organic HAP/gal of solid	
EP-32	EU-32	2.6 lb organic HAP/gal of solid	
EP-33	EU-33	2.6 lb organic HAP/gal of solid	
EP-34	EU-34	2.6 lb organic HAP/gal of solid	

Operational Limits & Requirements

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

Operating Limits – General, EP 29 Only

- A. The owner or operator is limited to using no more than one high-volume/low-pressure (HVLP) spray gun with a maximum total capacity of 5 gallons per hour within the Hardware Paint Booth (EU-29).

Authority for Requirement: DNR Construction Permit 92-A-596-S9

Operating Limits – General, EP 31, EP 32, EP 33, and EP 34 Only

- A. The owner or operator is limited to using no more than one Spinning Disc spray gun with a maximum total capacity of 19 gallons per hour within each of the Vertical Line Paint Booths (EU-31, EU-32, EU-33, and EU-34).

Authority for Requirement: DNR Construction Permits 92-A-602-S8, 92-A-603-S8, 92-A-604-S9, 92-A-605-S9

Operating Limits – General, EP 29, EP 31, EP32, EP33, and EP34

- B. The owner or operator shall develop a written maintenance plan for operating and maintaining the dry filters (CE-29, CE-31, CE-32, CE-33, CE-34) associated with the Hardware Paint Booth and Vertical Line Paint booths (EU-29, EU-31, EU-32, EU-33, EU34). This written maintenance plan shall be based on manufacturer’s recommendation, product quality concerns, and operation constraints.
- C. The owner or operator shall comply with the work practice standards outlined in 40 CFR §63.3893.
- D. The owner or operator shall maintain the Hardware Paint Booth, Vertical Line Paint booths, (EU-29, EU-31, EU-32, EU-33, EU-34) according to the provision in 40 CFR §63.6(e)(1)(i) as per the compliance requirements in 40 CFR §63.3900(b).

Operating Limits – Volatile Organic Compounds (VOC)

- E. The emission units listed below shall collectively be referred to as the “VOC Affected Units” for purposes of this permit.

Emission Unit Name	Emission Unit ID	Emission Point ID
Hardware Paint Booth	EU-29	EP-29
Vertical Line Paint Booth	EU-31	EP-31
Vertical Line Paint Booth	EU-32	EP-32
Vertical Line Paint Booth	EU-33	EP-33
Vertical Line Paint Booth	EU-34	EP-34

- F. The changes described under Project Number 14-458 include modification in the method of operation as well as physical changes to the VOC Affected Units.
- G. In accordance with 567 IAC 33.3(18)(f)(1), before beginning actual construction of the project authorized by construction permit number 92-A-596-S9, the owner or operator shall document and maintain a record of the following information:
 - i. A description of the project;
 - ii. Identification of the emission units whose VOC emissions could be affected by the project; and
 - iii. A description of the applicability test used to determine that the project is not a major modification for VOC.

- H. The owner or operator shall calculate the total VOC actual emissions in tons per 12-month rolling period from the VOC Affected Units for a period of five years following resumption of regular operations [see 567 IAC 33.3(18)"f"(4)].
- I. The baseline actual emissions calculated for this project are equal to 64.6 tons per year of VOC. The baseline actual emissions shall remain unchanged throughout the five year period.
- J. For purposes of Project Number 14-458 staying a synthetic minor project for Prevention of Significant Deterioration (PSD), The total VOC actual emissions from the VOC Affected Units minus the baseline actual emissions shall not exceed 39.4 tons per year of VOC.
- K. The owner or operator shall ensure that the operation of the VOC Affected Units does not cause the exceedance of the VOC bubble limit of 164.0 tons per each rolling twelve-month period as required in this permit (see Emission Limitations section).

Operating Limits Hazardous Air Pollutants (HAP)

- L. The emission units listed below shall collectively be referred to as the “HAP Affected Units” for purposes of this permit.

Emission Unit Name	Emission Unit ID	Emission Point ID
Hardware Paint Booth	EU-29	EP-29
Vertical Line Paint Booth	EU-31	EP-31
Vertical Line Paint Booth	EU-32	EP-32
Vertical Line Paint Booth	EU-33	EP-33
Vertical Line Paint Booth	EU-34	EP-34
Vertical Line Pretreatment Dry-off Oven	EU-40	EP-40
Vertical Line Primer Bake Oven	EU-41	EP-41
Vertical Line Top Coat Bake Oven	EU-42	EP-42

- M. In accordance with 40 CFR §63.3890(b)(1), the owner or operator shall limit organic HAP emissions from the operation of the HAP Affected Units to no more than 2.6 pounds organic HAP per gallon of solids used during each compliance period. A compliance period consists of 12 months. Each month is the end of the compliance period consisting of that month and the preceding 11 months. (See Emission Limits section - Other Emission Limits – *National Emission Standards for Hazardous Air Pollutants.*)
- N. As specified in 40 CFR §63.3891, the owner or operator shall include all coatings (as defined in §63.3981), thinners, and cleaning materials used in the operation of the HAP Affected Units when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit of 2.6 pounds of organic HAP per gallon of solids. To make this determination, the owner or operator shall use at least one of the compliance options listed in 40 CFR §63.3891 and allowed by this permit (see Condition N below).
- O. The owner or operator may use the *Compliant Material Option* as specified in 40 CFR §63.3891(a) or the *Emission Rate without Add-on Controls Option* as specified in 40 CFR §63.3891(b); however, prior to implementing the *Emission Rate with Add-on Controls Option* as specified in 40 CFR §63.3891(c), the owner or operator must submit a request to the Department to modify the corresponding construction permits.

- P. The use of the compliance options described in 40 CFR §63.3891 shall adhere to the following guidelines:
- iv. The owner or operator may apply any of the compliance options allowed by this permit to an individual coating operation, or to multiple coating operations as a group, or to the entire affected source.
 - v. The owner or operator may use different compliance options for different coating operations or at different times on the same coating operation.
 - vi. The owner or operator may employ different compliance options when different coatings are applied to the same part or when the same coating is applied to different parts.
 - vii. However, the owner or operator may not use different compliance options at the same time on the same coating operation.
 - viii. If the owner or operator switches between compliance options for the operation of the HAP Affected Units, this switch shall be recorded as required by 40 CFR §63.3930(c) and reported as required by 40 CFR §63.3920.
- Q. As indicated in 40 CFR §63.3900(a)(1), any coating operation for which the *Compliant Material Option* or the *Emission Rate without Add-on Controls Option* is used must be in compliance with the applicable emission limit in §63.3890 at all times.

Authority for Requirement: DNR Construction Permits listed in Table Paint Booths-2

Reporting and Recordkeeping

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

Reporting and Recordkeeping – General, EP 29 Only

- A. The owner or operator shall maintain a specification sheet for the HVLP gun used in the Hardware Paint Booth (EU-29) to verify the capacity of this gun.

Authority for Requirement: DNR Construction Permit 92-A-596-S9

Reporting and Recordkeeping – General, EP 31, EP 32, EP 33, and EP34 Only

- A. The owner or operator shall maintain specification sheets for the Spinning Disc guns used in the Vertical Line Paint booths (EU-31, EU-32, EU-33, and EU-34) to verify the capacity of the gun.

Authority for Requirement: DNR Construction Permits 92-A-602-S8, 92-A-603-S8, 92-A-604-S9, 92-A-605-S9

Reporting and Recordkeeping – General, EP 29, EP 31, EP 32, EP 33, and EP 34

- B. The owner or operator shall demonstrate compliance with the written maintenance plan for the dry filters (CE-29, CE-31, CE-32, CE-33, and CE-34) as specified in Operating Limits condition B.

- C. The owner or operator shall comply with the applicable requirements in 40 CFR Part 63, Subpart M MMMM – *National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products* [§63.3880 - §63.3981], including those not specifically mentioned in this permit. If differences in language are found between this permit and Subpart M MMMM, the language specified in Subpart M MMMM shall be considered correct.
- D. The owner or operator shall comply with the applicable requirements in 40 CFR Part 63, Subpart A – *General Provisions* [§63.1 - §63.15], except as indicated in Table 2 to Subpart M MMMM of Part 63.

Reporting and Recordkeeping - Volatile Organic Compounds (VOC)

- E. The owner or operator shall maintain daily records on the identification and the VOC content (pounds per gallon) for each VOC-containing material used in the operation of the VOC Affected Units.
- F. The owner or operator shall maintain daily records of the number of gallons for each VOC-containing material used in the operation of the VOC Affected Units.
- G. At the end of each month, the owner or operator shall record the total amount of VOC, in tons, emitted from the operation of the VOC Affected Units over the previous month.
- H. At the end of each month, the owner or operator shall record the total amount of VOC, in tons, emitted from the operation of the VOC Affected Units over the previous 12 months.
- I. The owner or operator shall implement the following procedure if the 12-month rolling total of VOC emitted from the operation of the VOC Affected Units exceeds 83.2 (80 percent of the VOC bubble emission limit).
 - i. At the end of each day, the owner or operator shall calculate and record the total amount of VOC, in tons, emitted from the operation of the VOC Affected Units over the previous day.
 - ii. At the end of each day, the owner or operator shall calculate and record the total amount of VOC, in tons, emitted from the operation of the VOC Affected Units over the previous 365 days.
 - iii. Calculation and recordkeeping of VOC emissions from data collected on Saturdays and Sundays shall be conducted no later than the following Mondays.
 - iv. Calculation and recordkeeping of VOC emissions shall not be required when emissions do not occur.
 - v. Daily calculations and recordkeeping of VOC emissions as specified in this permit condition shall continue until the rolling 12-month total amount drops below 83.2 tons on the last day of the month. Monthly calculations of VOC emissions shall then begin in the following month.
- J. For purposes of Project Number 14-458 staying a synthetic minor project for PSD, the owner or operator shall comply with the following requirements:
 - i. At the end of each month, the owner or operator shall record the 12-month rolling value of the total VOC actual emissions from the operation of the VOC Affected Units minus the baseline actual emissions.
 - ii. The owner or operator is allowed to exclude those emissions following the construction of the project that could have been accommodated during the consecutive 24-month period used to establish the baseline actual emissions and are

- unrelated to this project (i.e., increased utilization due to demand growth). The owner or operator shall be required to include a justification for any emissions excluded due to demand growth.
- iii. Each calendar year, the owner or operator shall submit to the Department the 12-month rolling value of the total VOC actual emissions from the operation of the VOC Affected Units minus the baseline actual emissions. This information must be submitted postmarked by March 31 for each calendar year submittal. The initial report shall be postmarked by March 31, 2016.
 - iv. If the 12-month rolling value of the total VOC actual emissions from the operation of the VOC Affected Units exceed the baseline actual emissions, the owner or operator shall submit a report to notify the Department [see 567 IAC 33.3(18)"f (7)].
- K. Should the facility (Plant No. 63-02-003) choose to take credit for waste shipped off-site, the owner or operator shall record the time and amount of waste shipped off-site and maintain a record that documents the VOC content of the waste. The credit may be subtracted from the VOC rolling total in the month of the date the waste is shipped off-site.
- L. The owner or operator shall maintain manufacturer and vendor provided information (Safety Data Sheets (SDS), technical data sheets, etc.) for all materials used in the operation of the VOC Affected Units.

Reporting and Recordkeeping – Hazardous Air Pollutants (HAP)

- M. The owner or operator shall demonstrate continuous compliance with the organic HAP emission rate limit of 2.6 pounds organic HAP per gallon of solids by following the applicable procedure specified in 40 CFR §63.3942 (*Compliant Material Option*) or §63.3952 (*Emission Rate without Add-on Controls Option*).
- N. The owner or operator shall document how the compliance options described in 40 CFR §63.3891 are being applied to determine the organic HAP emission rate from the operation of the HAP Affected Units.
- O. The owner or operator shall submit all applicable notifications and reports as required by 40 CFR §63.3910 and §63.3920, respectively.
- P. The owner or operator shall maintain records as specified in 40 CFR §63.3930. This includes, but it is not limited to, the following records and documentation:
- i. A copy of each notification and report submitted to show compliance with Subpart MMMM of Part 63 and the documentation supporting each notification and report.
 - ii. A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data or test data used to determine the mass fraction of organic HAP and density of each coating, thinner, cleaning material, etc.
 - iii. If testing was conducted to determine mass fraction or organic HAP, density, or volume fraction of coating solids, the owner or operator shall keep a copy of the complete test report.
 - iv. If the information provided by the manufacturer or supplier of the material was based on testing, the owner or operator shall keep the summary sheet of results provided by the manufacturer or supplier. The owner or operator is not required to obtain the test report or other supporting documentation from the manufacturer or supplier.
 - v. For each compliance period:
 - 1. A record of the coating operations on which the owner or operator used each

- compliance option and the time periods (beginning and ending dates and times) that each option was used.
2. If the owner or operator uses the Compliant Material Option, a record of the calculation of the organic HAP content for each coating, using Equation 2 of §63.3941.
 3. If the owner or operator uses the Emission Rate without Add-on Controls Option,
 - a. A record of the calculation of the total mass of organic HAP emissions for the coatings, thinners, cleaning materials, etc. used each month, using Equations 1, 1A through 1C, and 2 of §63.3951;
 - b. If applicable, a record of the calculation used to determine the mass of organic HAP in waste materials according to §63.3951(e)(4);
 - c. A record of the calculation of the total volume of coating solids used each month using Equation 2 of §63.3951; and
 - d. A record of the calculation of each 12-month organic HAP emission rate using Equation 3 of §63.3951.
 - vi. A record of the name and volume of each coating, thinner, cleaning material, etc. used during each compliance period. If the *Compliant Material Option* is used for all coatings in the operation of the HAP Affected Units, the owner or operator may maintain purchase records for each material rather than a record of the volume used.
 - vii. A record of the mass fraction of organic HAP for each coating, thinner, cleaning material, etc. used during each compliance period unless the material is tracked by weight.
 - viii. A record of the volume fraction of coating solids for each coating used during each compliance period.
 - ix. If the owner or operator uses the *Emission Rate without Add-on Controls Option*, a record of the density for each coating, thinner, cleaning material, etc. used during each compliance period.
 - x. Records of the date, time, and duration of each deviation as defined in 40 CFR §63.3981.
- Q. If the facility (Plant No. 63-02-003) uses an allowance in Equation 1 of 40 CFR §63.3951 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to §63.3951(e)(4), the owner or operator shall comply with the recordkeeping requirements in §63.3930(h).

Authority for Requirement: DNR Construction Permits listed in Table 2

NSPS and NESHAP Applicability

This facility (Plant No. 63-02-003) is subject to the requirements in 40 CFR Part 63, Subpart M – *National Emissions Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products* [567 IAC 23.1(4)“cm”], because it owns and operates a new, reconstructed, or existing surface coating operation as defined in 40 CFR §63.3981 and in accordance with 40 CFR §63.3882 that uses 250 gallons per year, or more, of coatings that contain hazardous air pollutants (HAP); that belongs in the “*general use coating*” subcategory as

described in 40 CFR §63.3881(a)(2); and that is a major source, is located at a major source, or is part of a major source of HAP emissions.

In addition, any affected emission unit at this facility (Plant No. 63-02-003) is subject to the requirements in 40 CFR Part 63, Subpart A – *General Provisions* [567 IAC 23.1(4)“a”], except as indicated in Table 2 to Subpart MMMM of Part 63.

Authority for Requirement: DNR Construction Permits listed in Table 2
 40 CFR Part 63 Subpart MMMM
 567 IAC 23.1(4)"cm"
 40 CFR Part 63 Subpart A
 567 IAC 23.1(4)"a"

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

Table Paint Booths-6

	Stack Height (ft, from the ground)	Stack Opening (dia. inch)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style	Authority for Requirement DNR Construction Permit
EP-29	53	36	10,000	68	Vertical Unobstructed	92-A-596-S9
EP-31	51	34	14,000	68	Vertical Unobstructed	92-A-602-S8
EP-32	51	34	14,000	68	Vertical Unobstructed	92-A-603-S8
EP-33	51	34	14,000	68	Vertical Unobstructed	92-A-604-S9
EP-34	51	34	14,000	68	Vertical Unobstructed	92-A-605-S9

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

Paint Booth Agency Operation & Maintenance Plan

Weekly

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

Record Keeping and Reporting

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

Quality Control

- The filter equipment will be operated and maintained according to the manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: Pretreatment System

Associated Equipment

Table Pretreatment System-1

EP	EU	Emission Unit Description	Raw Material	Rated Capacity (gal/min)
EP-74A	EU-74A	Vertical Line Pretreatment System	Detergents, Sealers	22.1
EP-74B	EU-74B	Vertical Line Pretreatment System	Detergents, Sealers	22.1
EP-103	EU-103	Pretreatment System	Detergents, Sealers	11.6
EP-104	EU-104	Pretreatment System	Detergents, Sealers	11.6

Table Pretreatment System-2

EP	EU	Emission Unit Description	DNR Construction Permit Number
EP-74A	EU-74A	Vertical Line Pretreatment System	04-A-1012-S2
EP-74B	EU-74B	Vertical Line Pretreatment System	04-A-1013-S2
EP-103	EU-103	Pretreatment System	01-A-1341-S1
EP-104	EU-104	Pretreatment System	01-A-1342-S2

Applicable Requirements

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

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

Table Pretreatment System-3

EP	EU	Opacity	PM10 (lb/hr)	PM (gr/dscf)	PM (lb/hr)	Chromium (lb/hr)	Authority for Requirement DNR Construction Permit Number
EP-74A	EU-74A	40% ⁽¹⁾	0.15	0.1	N/A	N/A	04-A-1012-S2
EP-74B	EU-74B	40% ⁽¹⁾	0.15	0.1	N/A	N/A	04-A-1013-S2
EP-103	EU-103	40% ⁽¹⁾	0.15	0.1	1.39	0.54 ⁽²⁾	01-A-1341-S1
EP-104	EU-104	40% ⁽¹⁾	0.15	0.1	1.39	0.54 ⁽²⁾	01-A-1342-S2

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

⁽²⁾ Maximum emission rate allowed for each stack (EP 103, EP 104, EP 105 and EP 106) in order for the project to be minor for Case-by-Case MACT [112(g)] purposes.

Operational Limits & Requirements

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

Operational limits are not required at this time for these units.

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

	Stack Height (ft, from the ground)	Stack Opening (dia. inch)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style	Authority for Requirement DNR Construction Permit Number
EP-74A	54	24	3,800	100-118	Vertical Unobstructed	04-A-1012-S2
EP-74B	52.5	21	3,800	100-118	Vertical Unobstructed	04-A-1013-S2
EP-103	40	16	4,100	120-150	Vertical Unobstructed	01-A-1341-S1
EP-104	36	16	1,700	120-150	Vertical Unobstructed	01-A-1342-S2

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

Monitoring Requirements

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

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: Sanding Stations

Associated Equipment

Table Sanding Stations-1

EP	EU	Emission Unit Description	Raw Material	Rated Capacity
EP-211	EU-211	Sanding Station	Dust Collection Air Stream	NA*
EP-212	EU-212	Sanding Station	Dust Collection Air Stream	NA*
EP-213	EU-213	Sanding Station	Dust Collection Air Stream	NA*
EP-214	EU-214	Sanding Station	Dust Collection Air Stream	NA*
EP-215	EU-215	Sanding Station	Dust Collection Air Stream	NA*
EP-216	EU-216	Sanding Station	Dust Collection Air Stream	NA*
EP-217	EU-217	Sanding Station	Dust Collection Air Stream	NA*
EP-218	EU-218	Sanding Station	Dust Collection Air Stream	NA*
EP-219	EU-219	Sanding Station	Dust Collection Air Stream	NA*
EP-220	EU-220	Sanding Station	Dust Collection Air Stream	NA*

*: These units are hand sanding stations. Capacities depend on the operator.

Table Sanding Stations-2

EP	EU	Emission Unit Description	CE	DNR Construction Permit Number
EP-211	EU-211	Sanding Station	CE-211/Dust Collector	09-A-622
EP-212	EU-212	Sanding Station	CE-212/Dust Collector	09-A-635
EP-213	EU-213	Sanding Station	CE-213/Dust Collector	09-A-636
EP-214	EU-214	Sanding Station	CE-214/Dust Collector	09-A-637
EP-215	EU-215	Sanding Station	CE-215/Dust Collector	09-A-638
EP-216	EU-216	Sanding Station	CE-216/Dust Collector	09-A-639
EP-217	EU-217	Sanding Station	CE-217/Dust Collector	09-A-640
EP-218	EU-218	Sanding Station	CE-218/Dust Collector	09-A-641
EP-219	EU-219	Sanding Station	CE-219/Dust Collector	09-A-642
EP-220	EU-220	Sanding Station	CE-220/Dust Collector	09-A-643

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.

Table Sanding Stations-3

EP	EU	Opacity	PM10 (lb/hr)	PM (lb/hr)	PM (gr/dscf)
EP-211	EU-211	40% ⁽¹⁾	0.05	0.05	0.1
EP-212	EU-212	40% ⁽¹⁾	0.05	0.05	0.1
EP-213	EU-213	40% ⁽¹⁾	0.05	0.05	0.1
EP-214	EU-214	40% ⁽¹⁾	0.05	0.05	0.1
EP-215	EU-215	40% ⁽¹⁾	0.05	0.05	0.1

EP	EU	Opacity	PM10 (lb/hr)	PM (lb/hr)	PM (gr/dscf)
EP-216	EU-216	40% ⁽¹⁾	0.05	0.05	0.1
EP-217	EU-217	40% ⁽¹⁾	0.05	0.05	0.1
EP-218	EU-218	40% ⁽¹⁾	0.05	0.05	0.1
EP-219	EU-219	40% ⁽¹⁾	0.05	0.05	0.1
EP-220	EU-220	40% ⁽¹⁾	0.05	0.05	0.1

⁽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).

Table Sanding Stations-4

Pollutant	Emission Limits	Authority of Requirement
Opacity	40%	DNR construction permits listed in Table Sanding Stations-2 567 IAC 23.3(2) "d"
PM10	0.05 lb/hr	DNR construction permits listed in Table Sanding Stations-2
PM	0.05 lb/hr	DNR construction permits listed in Table Sanding Stations-2
PM	0.1 gr/dscf	DNR construction permits listed in Table Sanding Stations-2 567 IAC 23.3(2) "a"

Operational Limits & Requirements

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

Operating Limits

- A. The dust collectors associated with these emission points shall be operated and maintained according to the manufacturer's recommendations.

Reporting and Recordkeeping

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

- A. Maintain a copy of the dust collector manufacturer's recommendation on the maintenance and operation of the dust collector.
- B. Log all maintenance activities performed on the dust collectors associated with emission points. This log shall include, but not be limited to, the date and time any inspections of the dust collector occurs, any issues with the dust collector identified, and any corrective action taken to resolve noted issues with the dust collectors.

Authority for Requirement: DNR Construction Permits listed in Table Sanding Stations-2

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

Table Sanding Stations-5

	Stack Height (ft, from the ground)	Stack Opening (dia. inch)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style	Authority for Requirement DNR Construction Permit
EP-211	NA	NA	1,500	70	Indoor Vent	09-A-622
EP-212	NA	NA	1,500	70	Indoor Vent	09-A-635
EP-213	NA	NA	1,500	70	Indoor Vent	09-A-636
EP-214	NA	NA	1,500	70	Indoor Vent	09-A-637
EP-215	NA	NA	1,500	70	Indoor Vent	09-A-638
EP-216	NA	NA	1,500	70	Indoor Vent	09-A-639
EP-217	NA	NA	1,500	70	Indoor Vent	09-A-640
EP-218	NA	NA	1,500	70	Indoor Vent	09-A-641
EP-219	NA	NA	1,500	70	Indoor Vent	09-A-642
EP-220	NA	NA	1,500	70	Indoor Vent	09-A-643

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-223

Associated Equipment

Associated Emission Unit ID Numbers: EU-223

Emission Unit vented through this Emission Point: EU-223
Emission Unit Description: Pre-Finish Sanding Station (Indoor Venting)
Raw Material/Fuel: Sand
Rated Capacity: 150 ft/min

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 10-A-517
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM₁₀)
Emission Limit(s): 0.145 lb/hr
Authority for Requirement: DNR Construction Permit 10-A-517

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.145 lb/hr; 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 10-A-517
567 IAC 23.3(2)"a"

Operational Limits & Requirements

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

Operational limits are not required at this time.

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-229

Associated Equipment

Associated Emission Unit ID Numbers: EU-229
Emissions Control Equipment ID Number: CE-229
Emissions Control Equipment Description: Dry Filter

Emission Unit vented through this Emission Point: EU-229
Emission Unit Description: Surface Coating Booth
Raw Material/Fuel: Paint
Rated Capacity: 6.5 gal/hr

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40% ⁽¹⁾
Authority for Requirement: DNR Construction Permit 11-A-734
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM₁₀)
Emission Limit(s): 0.07 lb/hr
Authority for Requirement: DNR Construction Permit 11-A-734

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.07 lb/hr; 0.01 gr/dscf
Authority for Requirement: DNR Construction Permit 11-A-734
567 IAC 23.4(13)

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): 5.0 ton/yr ⁽²⁾
Authority for Requirement: DNR Construction Permit 11-A-734

⁽²⁾VOC bubble limit requested by facility. Bubble applies to EU-229 and EU-230. It is assumed that all emissions are accounted for in the record keeping required for EU-229 (Spray Booth).

Operational Limits & Requirements

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

Operating Limits

- A. The maximum VOC content for all coating materials, with the exception of the adhesion promoter addressed in Item B in this section, utilized in this booth shall be 1.0 pounds VOC per gallon.
- B. The maximum VOC content of the adhesion promoter utilized in this spray booth shall be 7.0 lb VOC per gallon.
- C. This emission unit shall be limited to the use of no more than 45 gallons of adhesion promoter (as described in Item B) per rolling 12-month period.
- D. This emission unit shall be limited to the use of no more than 9,685 gallons of coating material (excluding the adhesion promoter detailed in Item B and Item C), per rolling 12-month period.
- E. All materials utilized in this spray booth shall comply with the appropriate NESHAP as listed in the section of NSPS and NESHAP Applicability, for the substrate being coated. In the event that 2 or more substrates are being coated simultaneously, the owner/operator shall demonstrate compliance by either; complying with the most stringent of the NESHAP requirements or utilization of compliance options detailed in the applicable NESHAP subparts. These NESHAP requirements may be found in 40 CFR §63.3890, 40 CFR §63.4690, and 40 CFR §63.4490.
- F. Operate and maintain the spray booth and associated fabric filters in accordance with manufacturer's recommendation.

Reporting and Recordkeeping

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

- A. Record the amount and type of each coating material utilized in the spray booth (EU-229) monthly.
- B. Calculate and record the total amount of coating material utilized in the spray booth (EU-229) on a rolling 12-month basis.
- C. The facility shall keep records noting the methodology they are implementing to demonstrate compliance with the appropriate NESHAP monitoring requirements. The subject NESHAPs are as follows:
 - C1.40 CFR 63 Subpart MMMM – National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products.
 - C2.40 CFR 63 Subpart PPPP– National Emission standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products.
 - C3.40 CFR 63 Subpart QQQQ – National Emission Standards for Hazardous Air Pollutants: surface Coating of Wood Building Products.
- D. Calculate and record the total VOC emissions in tons per month that are emitted from EP-229.

- E. Calculate and record the total VOC emissions in tons per rolling 12-month period that are emitted from EP-229.
- F. If the rolling 12-month total of the VOC emission from EP-229 (and attributed to EU-229) exceeds 4.0 tons per 12-month rolling period, the permittee shall maintain the following daily records:
 - F1. The total tons of VOC emissions from EP-229;
 - F2. The rolling 365 – day total tons of VOC emissions form EP229 shall continue until the rolling 365-day total amount of VOC emissions drops below 4.0 tons for 180 consecutive days. At that time, rolling monthly calculation of VOC emissions may commence as specified in Condition E above.
- G. Keep a log of all maintenance actions performed regarding the Spray booth and associated fabric filters.

Authority for Requirement: DNR Construction Permit 11-A-734

NSPS and NESHAP Applicability

This emission unit is subject to the following NESHAP Subparts:

- 40 CFR 63 Subpart A – *General Provisions.*
- 40 CFR 63 Subpart MMMM – National Emission Standards for Hazardous Air Pollutants for *Surface Coating of Miscellaneous Metal Parts and Products.*
- 40 CFR 63 Subpart PPPP– National Emission standards for Hazardous Air Pollutants for *Surface Coating of Plastic Parts and Products.*
- 40 CFR 63 Subpart QQQQ – National Emission Standards for Hazardous Air Pollutants: *Surface Coating of Wood Building Products.*

- Authority for Requirement: DNR Construction Permit 11-A-734
- 40 CFR Part 63 Subpart QQQQ
 - 567 IAC 23.1(4)"cq"
 - 40 CFR Part 63 Subpart MMMM
 - 567 IAC 23.1(4)"cm"
 - 40 CFR Part 63 Subpart PPPP
 - 567 IAC 23.1(4)"cp"
 - 40 CFR Part 63 Subpart A
 - 567 IAC 23.1(4)"a"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

- Stack Height, (ft, from the ground): 33
- Stack Opening, (inches, dia.): 24
- Exhaust Flow Rate (scfm): 7,000-12,000
- Exhaust Temperature (°F): Ambient
- Discharge Style: Vertical Unobstructed
- Authority for Requirement: DNR Construction Permit 11-A-734

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

Agency Paint Booth Operation and Maintenance Plan

Weekly

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

Record Keeping and Reporting

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

Quality Control

- The filter equipment will be operated and maintained according to the manufacturer's recommendations.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: Surface Prep Area Units

Associated Equipment

Table Surface Prep Units-1

EP	EU	Emission Unit Description	Raw Material	Rated Capacity (ft/hr)
EP-160	EU-160	Surface Prep Area #2	Wood	12,000
EP-161	EU-161	Surface Prep Area #3	Wood	12,000
EP-162	EU-162	Surface Prep Area #4	Wood	12,000
EP-163	EU-163	Surface Prep Area #5	Wood	12,000
EP-167	EU-167	Surface Prep Area #9	Wood	12,000

Table Surface Prep Units-2

EP	EU	Emission Unit Description	CE	DNR Construction Permit Number
EP-160	EU-160	Surface Prep Area #2	CE-160A; CE-160B Cyclone and Cartridge Filter	08-A-204-S3
EP-161	EU-161	Surface Prep Area #3	CE-161A; CE-161B Cyclone and Cartridge Filter	08-A-205-S3
EP-162	EU-162	Surface Prep Area #4	CE-162A; CE-162B Cyclone and Cartridge Filter	08-A-206-S3
EP-163	EU-163	Surface Prep Area #5	CE-163A; CE-163B Cyclone and Cartridge Filter	08-A-207-S3
EP-167	EU-167	Surface Prep Area #9	CE-167A; CE-167B Cyclone and Cartridge Filter	08-A-211-S3

Applicable Requirements

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

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

Table Surface Prep Units-3

EP	EU	Opacity	PM10 (lb/hr)	PM (lb/hr)	PM (gr/dscf)
EP-160	EU-160	40% ⁽¹⁾	0.015	0.015	0.1
EP-161	EU-161	40% ⁽¹⁾	0.015	0.015	0.1
EP-162	EU-162	40% ⁽¹⁾	0.015	0.015	0.1
EP-163	EU-163	40% ⁽¹⁾	0.015	0.015	0.1
EP-167	EU-167	40% ⁽¹⁾	0.015	0.015	0.1

⁽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).

Table Surface Prep Units-4

Pollutant	Emission Limits	Authority of Requirement
Opacity	40%	DNR construction permits listed in Table Surface Prep Units-2 567 IAC 23.3(2) "d"
PM10	0.015 lb/hr	DNR construction permits listed in Table Surface Prep Units-2
PM	0.015 lb/hr	DNR construction permits listed in Table Surface Prep Units-2
PM	0.1 gr/dscf	DNR construction permits listed in Table Surface Prep Units-2 567 IAC 23.3(2) "a"

Operational Limits & Requirements

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

Operating Limits

- A. The pressure drop across the cartridge filters shall be maintained between 0.25 inches of water column and 3 inches of water column during regular operation. Momentary periods of cleaning of the filter media is allowed with pressure drops across the cartridge filter of 5 inches of water column allowed during the cleaning operation.

Reporting and Recordkeeping

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

- A. Once during a period of normal operation during each working shift, read and record the pressure drop across each of the cartridge filters.

Authority for Requirement: DNR Construction Permits listed in Table Surface Prep Units-2

NSPS and NESHAP Applicability

These emission units are subject to NESHAP Subpart A – *General Provisions* and Subpart QQQQ – National Emission Standards for Hazardous Air Pollutants: *Surface Coating of Wood Building Products*.

Authority for Requirement: DNR Construction Permits listed in Table 2
 40 CFR Part 63 Subpart QQQQ
 567 IAC 23.1(4)"cq"
 40 CFR Part 63 Subpart A
 567 IAC 23.1(4)"a"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Table Surface Prep Units-5

	Stack Height (ft, from the ground)	Stack Opening (dia. inch)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style	Authority for Requirement DNR Construction Permit
EP-160	34.5	16	2500-3000	70	Vertical Unobstructed	08-A-204-S3
EP-161	31	16	2500-3000	70	Vertical Unobstructed	08-A-205-S3
EP-162	31	16	2500-3000	70	Vertical Unobstructed	08-A-206-S3
EP-163	32	16	2500-3000	70	Vertical Unobstructed	08-A-207-S3
EP-167	37	16	2500-3000	70	Vertical Unobstructed	08-A-211-S3

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: Door Plant Wood Treatment System

Associated Equipment

Associated Emission Unit ID Numbers: See Table Door Plant Wood Treatment System-1

Emissions Control Equipment ID Number: CE-CO (for EP-CO)

Emissions Control Equipment Description: Catalytic Oxidizer

Table Door Plant Wood Treatment System-1

EP	EU	Emission Unit Description	Raw Material	Rated Capacity (parts/hr)	DNR Construction Permit Number
EP-CO	EU-58	Wood Dip-Dry 1	Wood Preservative/ Mineral Spirits	1400	98-A-872-S13
	EU-59	Wood Dip-Dry: DH Frame		400	
	EU-60	Wood Dip-Dry: DH Sash		1400	
	EU-62	Wood Dip-Dry: DS Casement Frame		860	
	EU-63	Wood Dip-Dry: Casement Sash		1500	
	EU-89	Wood Dip-Dry: Door 2		700	
	EU-96	Wood Dip-Dry: Casement Sash		300	
	EU-168	Wood Drying Box		256	
	EU-169	Wood Dip Dry: Door 3		480	
EP-58	EU-58	Wood Dip-Dry1 (Bypass Stack)		1400	17-A-466-P
EP-59	EU-59	Wood Dip-Dry: DH Frame (Bypass Stack)		400	92-A-559-S12
EP-60	EU-60	Wood Dip-Dry: DH Sash (Bypass Stack)		1400	92-A-560-S12
EP-62	EU-62	Wood Dip-Dry: DS Casement Frame (Bypass Stack)		860	92-A-562-S11
EP-63	EU-63	Wood Dip-Dry: Casement Sash (Bypass Stack)		1500	92-A-563-S12
EP-89	EU-89	Wood Dip-Dry: Door 2 (Bypass Stack)		700	17-A-467-P
EP-169	EU-169	Wood Dip Dry: Door 3 (Bypass Stack)		480	17-A-468-P

Applicable Requirements

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

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

Table Door Plant Wood Treatment System-2: PSD Emission Limits

Emission Point	Volatile Organic Compounds (VOC)	Other Limits: Volatile Organic Compounds (VOC)	DNR Construction Permit Number	Additional Authority for Requirement
EP-CO	NA	98% reduction ⁽²⁾	98-A-872-S13	BACT
EP-58	86.6 tons/yr ⁽¹⁾	NA	17-A-466P	BACT
EP-59			92-A-559-P12	BACT
EP-60			92-A-560-S12	BACT
EP-62			92-A-562-S11	BACT
EP-63			92-A-563-S12	BACT
EP-89			17-A-467-P	BACT
EP-169			17-A-468-P	BACT

⁽¹⁾ This combined limit excludes the treatment chemicals retained in product and shipped off-site.

⁽²⁾ Applies across the catalytic oxidizer, CECO.

Table Door Plant Wood Treatment System-3: NESHAP Limits

Emission Point	Total Organic Hazardous Air Pollutants (Total Organic HAP)	DNR Construction Permit Number	Additional Authority for Requirement
EP-CO	1.93 lb organic HAP/gallon solids ⁽¹⁾	98-A-872-S13	40 CFR Part 63 Subpart QQQQ 567 IAC 23.1(4)"cq"
EP-58		17-A-466P	
EP-59		92-A-559-P12	
EP-60		92-A-560-S12	
EP-62		92-A-562-S11	
EP-63		92-A-563-S12	
EP-89		17-A-467-P	
EP-169		17-A-468-P	

⁽¹⁾ Total organic HAP limit per Table 2 of Subpart QQQQ.

Table Door Plant Wood Treatment System-4: Other Emission Limits

EP	Opacity	Particulate Matter (PM ₁₀) (lb/hr)	Particulate Matter (PM) (gr/dscf)	DNR Construction Permit Number
EP-CO	40% ⁽¹⁾ ⁽²⁾	0.75	0.01 ⁽³⁾	98-A-872-S13
EP-58	40% ⁽¹⁾ ⁽²⁾	N/A	0.01 ⁽³⁾	17-A-466-P
EP-59	40% ⁽¹⁾ ⁽²⁾	N/A	0.01 ⁽³⁾	92-A-559-S12
EP-60	40% ⁽¹⁾ ⁽²⁾	N/A	0.01 ⁽³⁾	92-A-560-S12

EP	Opacity	Particulate Matter (PM ₁₀) (lb/hr)	Particulate Matter (PM) (gr/dscf)	DNR Construction Permit Number
EP-62	40% ⁽¹⁾ ⁽²⁾	N/A	0.01 ⁽³⁾	92-A-562-S11
EP-63	40% ⁽¹⁾ ⁽²⁾	N/A	0.01 ⁽³⁾	92-A-563-S12
EP-89	40% ⁽¹⁾ ⁽²⁾	N/A	0.01 ⁽³⁾	17-A-467-P
EP-169	40% ⁽¹⁾ ⁽²⁾	N/A	0.01 ⁽³⁾	17-A-468-P

- ⁽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).
- ⁽²⁾ Additional Authority for Requirement: 567 IAC 23.3(2)"d"
- ⁽³⁾ Additional Authority for Requirement: 567 IAC 23.4(13)

Operating Requirements with Associated Monitoring and Recordkeeping

The owner/operator of this equipment shall comply with the operational limits and requirements listed below. All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. The owner or operator shall calculate the annual emissions of PM, PM₁₀, and PM_{2.5} in tons per year on a calendar basis, for a period of five years following resumption of regular operations and maintain a record of regular operations after the change, as required in IAC 567-33.3(18)"f"(4). This information shall be retained by the owner or operator for a period of ten years after project 17-207 is completed. This record of regular operations after the change shall be a documentation of emissions from all emission units named in project 17-207 as part of the production activities of this facility (plant 63-02-003).
- B. The owner or operator shall submit a report to the Department if the annual emissions, in tons per year, exceed the baseline actual emissions by an amount that is "significant" as defined in IAC 567-33.3(1) for that pollutant. The baseline actual emissions are set at 14.74 tons for PM, PM₁₀ and PM_{2.5}.
- C. The owner or operator may bypass emissions through the bypass stacks EP-58, EP-59, EP-60, EP-62, EP-63, EP-89 and/or EP-169 only when the control equipment (CECO) is in startup, shutdown, or malfunctioning.
- D. The owner or operator shall conduct a study within 60 days of construction permit issuance to determine the percentage of emissions which are:
 - a. Emitted within the capture hood of the control equipment (CECO)
 - b. Emitted during the drying process, and
 - c. Retained within the product.
- E. The owner or operator shall maintain the following daily records:
 - a. The identification of each VOC-containing material used in the Wood Treatment System (EU58, EU 59, EU60, EU62, EU63, EU89, EU168 and EU 169).
 - b. The amount, in gallons, of each VOC-containing material used in the Wood Treatment System (EU58, EU 59, EU60, EU62, EU63, EU89, EU168 and EU 169). For the purposes of calculating emissions, all VOC may be considered emitted on the

- day the materials are delivered to the facility or production line.
- c. The number of hours any stack was bypassed during that day.
- F. The owner or operator shall maintain the following monthly records:
- a. The amount, in gallons, of each VOC-containing material used in the Wood Treatment System (EU58, EU 59, EU60, EU62, EU63, EU89, EU168 and EU 169). For the purposes of calculating emissions, all VOC may be considered emitted on the day the materials are delivered to the facility or production.
 - b. The amount of all VOC emitted from the Wood Treatment System (EU58, EU 59, EU60, EU62, EU63, EU89, EU168 and EU 169), in tons. For the purposes of calculation, the facility shall use the results of the study required in Condition D. above to determine the allocation of VOC emissions between the control equipment (CECO), when in use, and the drying area. The facility shall assume that 98% of the captured emissions are destroyed by the catalytic oxidizer (CECO). If a test has been completed within the last 12 calendar months, the facility may use the average destruction efficiency from the test instead of 98%. VOC retained within the product are excluded from this calculation.
 - c. The twelve month rolling total amount of all VOC emitted from the Wood Treatment System (EU58, EU 59, EU60, EU62, EU63, EU89, EU168 and EU 169), in tons For the purposes of calculation, the facility shall use the results of the study required in Condition D. above to determine the allocation of VOC emissions between the control equipment (CECO), when in use, and the drying area. The facility shall assume that 98% of the captured emissions are destroyed by the catalytic oxidizer (CECO). If a test has been completed within the last 12 calendar months, the facility may use the average destruction efficiency from the test instead of 98%. VOC retained within the product are excluded from this calculation.
- G. If the 12-month rolling total of the VOC emissions exceeds 69.3 tons, the owner or operator shall immediately begin keeping the following daily records:
- a. The amount of all VOC emitted from the Wood Treatment System (EU58, EU 59, EU60, EU62, EU63, EU89, EU168 and EU 169), in tons. For the purposes of calculation, the facility shall use the results of the study required in Condition D. above to determine the allocation of VOC emissions between the control equipment (CECO), when in use, and the drying area. The facility shall assume that 98% of the captured emissions are destroyed by the catalytic oxidizer (CECO). If a test has been completed within the last 12 calendar months, the facility may use the average destruction efficiency from the test instead of 98%. VOC retained within the product are excluded from this calculation.
 - b. The 365-day rolling total amount of all VOC emitted from the Wood Treatment System (EU58, EU 59, EU60, EU62, EU63, EU89, EU168 and EU 169), in tons For the purposes of calculation, the facility shall use the results of the study required in Condition D. above to determine the allocation of VOC emissions between the control equipment (CECO), when in use, and the drying area. The facility shall assume that 98% of the captured emissions are destroyed by the catalytic oxidizer (CECO). If a test has been completed within the last 12 calendar months, the facility may use the average destruction efficiency from the test instead of 98%. VOC retained within the product are excluded from this calculation.
 - c. Daily calculations for VOC emissions shall continue until the 365-day rolling total

amount of VOC emissions from the Wood Treatment System drops below 69.3 tons for the remainder of the current calendar month plus one additional calendar month. At that time, rolling daily calculation of VOC emissions will cease per Section 5.G. of this permit. If the emissions once again exceed 69.3 tons, daily recordkeeping will be required per this Section G.

- H. The owner or operator shall retain Safety Data Sheets (SDS) for VOC-containing materials used in the Wood Treatment System (EU58, EU 59, EU60, EU62, EU63, EU89, EU168 and EU 169).
- I. The owner or operator shall maintain the temperature of the control equipment (CECO) inlet gas stream at or above 552° F while in operation.
 - a. The owner or operator shall collect and record the inlet gas stream temperature to the catalytic oxidizer (CECO), in °F, at least once per hour. If the inlet gas stream temperature to the catalytic oxidizer falls below the temperature specified above, the owner or operator shall investigate the unit (CECO) and make corrections to it. The owner or operator shall maintain a record of all corrective actions taken. This requirement shall not apply on the days the catalytic oxidizer (CECO) is not in operations.
 - b. The owner or operator shall properly operate and maintain equipment to monitor the inlet gas stream temperature to the catalytic oxidizer (CECO). The monitoring devices and any records shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals or per written facility-specific operation and maintenance plants.
- J. The owner or operator shall ensure catalyst performance is maintained as recommended by the manufacturer and replaced as necessary.
 - a. At a minimum of once per calendar year, the owner or operator shall evaluate catalyst performance. The owner or operator shall evaluate catalyst performance by any of the following mechanisms:
 - i. Measure VOC conversion efficiency across the Catalytic Oxidizer (CECO), or
 - ii. Conduct catalyst activity analysis on a representative sample of the main bed catalyst.
- K. The owner or operator shall maintain a record of all inspections (including catalyst performance evaluations) and maintenance and any action resulting from the inspection and maintenance of the main bed catalyst and Catalytic Oxidizer (CECO).
- L. The owner or operator shall follow the applicable requirements of NESHAP Subpart QQQQ, and submit notifications, reports, and records as required in 40 CFR§63.4710 through §63.4731.

Authority for Requirement: DNR Construction Permits listed in Table Door Plant Wood Treatment System-1

NSPS and NESHAP Applicability

Emission units 58, 59, 60, 62, 63, 89, 168 and 169 are subject to 40 CFR Part 63 Subpart A, *National Emission Standards for Hazardous Air Pollutants: General Provisions*; and 40 CFR Part 63 Subpart QQQQ, *National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products (567 IAC 23.1(4)"cq")*.

Authority for Requirement: DNR Construction Permits listed in Table Door Plant Wood Treatment System-1
 40 CFR Part 63 Subpart QQQQ
 567 IAC 23.1(4)"cq"
 40 CFR Part 63 Subpart A
 567 IAC 23.1(4)

Emission Point Characteristics

The emission points shall conform to the specifications listed below.

Table Door Plant Wood Treatment System-5

	Stack Height (ft, from the ground)	Stack Opening (dia. inch)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style
EP-CO	31	31	5,000 - 10,300	313	Vertical Unobstructed
EP-58	30	14	1,200	Ambient	Vertical Unobstructed
EP-59	29	29	1000	Ambient	Vertical Unobstructed
EP-60	32	12	1000	Ambient	Vertical Unobstructed
EP-62	25	12	1000	Ambient	Vertical Unobstructed
EP-63	28	12	1000	Ambient	Vertical Unobstructed
EP-89	30	14	1,200	Ambient	Vertical Unobstructed
EP-169	30	14	1,200	Ambient	Vertical Unobstructed

Authority for Requirement: DNR Construction Permits listed in Table Door Plant Wood Treatment System-1

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.

Stack Testing for EP-CO:

Pollutant – Volatile Organic Compounds (VOC)
 Stack Test to be Completed: Once Every 3 Calendar Years ⁽¹⁾
 Test Method – 40 CFR 60 Appendix A, Method 18 or
 40 CFR 63, Appendix A, Method 320

Authority for Requirement: DNR Construction Permit 99-A-872-S13

⁽¹⁾ Initial performance test was completed 04/18/2017.

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: Wood Dust System

Associated Equipment

Table Wood Dust System-1

EP	EU	Emission Unit Description	Raw Material	Rated Capacity (1000 ft ³ /hr)
EP-19	EU-19	Wood Dust System	Wood Dust	3.14
EP-27	EU-27	Wood Dust System	Wood Dust	2.40
EP-28	EU-28	Old Mac Wood Dust System	Wood Dust	3.00
EP-30	EU-30	Wood Dust System	Wood Dust	2.40
EP-54	EU-54	Wood Dust System	Wood Dust	3.14
EP-55	EU-55	Wood Dust System	Wood Dust	4.29
EP-69	EU-69	Wood Dust System	Wood Dust	4.30
EP-71	EU-71	Wood Dust System	Wood Dust	3.14
EP-72	EU-72	Wood Dust System	Wood Dust	1.20
EP-86	EU-86	Wood Dust System	Wood Dust	3.60
EP-88	EU-88	Wood Dust System	Wood Dust	3.60
EP-102	EU-102	Wood Dust System	Wood Dust	3.60

Table Wood Dust System-2

EP	EU	Emission Unit Description	Control Equipment	DNR Construction Permit
EP-19	EU-19	Wood Dust System	CE-19/Baghouse & Cyclone	79-A-035-S4
EP-27	EU-27	Wood Dust System	CE-27/Baghouse	92-A-582-S3
EP-28	EU-28	Old Mac Wood Dust System	CE-28/Baghouse	92-A-583-S5
EP-30	EU-30	Wood Dust System	CE-30/Baghouse	92-A-584-S4
EP-54	EU-54	Wood Dust System	CE-54/Baghouse	92-A-585-S3
EP-55	EU-55	Wood Dust System	CE-55/Baghouse	92-A-586-S3
EP-69	EU-69	Wood Dust System	CE-69/Baghouse	98-A-386-S4
EP-71	EU-71	Wood Dust System	CE-71/Baghouse	10-A-335
EP-72	EU-72	Wood Dust System	CE-72/Baghouse	None
EP-86	EU-86	Wood Dust System	CE-86/Baghouse & Cyclone	99-A-189-S3
EP-88	EU-88	Wood Dust System	CE-88/Baghouse & Cyclone	00-A-017-S4
EP-102	EU-102	Wood Dust System	CE-102A, CE-102B Baghouse & Cyclone	01-A-1234-S3

Applicable Requirements

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

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

Table Wood Dust System-3

EP	EU	Opacity	PM10 (lb/hr)	PM (lb/hr)	PM (gr/dscf)
EP-19	EU-19	40% ⁽¹⁾	0.84	N/A	0.01
EP-27	EU-27	40% ⁽¹⁾	0.32	2.6	0.1
EP-28	EU-28	40% ⁽²⁾	0.32	3.05	0.1
EP-30	EU-30	40% ⁽¹⁾	0.51	1.72	0.1
EP-54	EU-54	40% ⁽¹⁾	0.72	3.2	0.1
EP-55	EU-55	40% ⁽¹⁾	0.52	3.6	0.1
EP-69	EU-69	40% ⁽¹⁾	1.26	5.0	0.1
EP-71	EU-71	40%	0.96	1.56	0.1
EP-72	EU-72	40%	N/A	N/A	0.1
EP-86	EU-86	40% ⁽¹⁾	0.83	11.14	0.1
EP-88	EU-88	40% ⁽¹⁾	1.08	5.57	0.1
EP-102	EU-102	40% ⁽¹⁾	2.33	5.57	0.1

⁽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).

⁽²⁾ An exceedance of the indicator opacity of 10% will require the owner or operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the Department may require additional proof to demonstrate compliance (e.g., stack testing).

Table Wood Dust System-4

Pollutant	Emission Limits	Authority of Requirement
Opacity	40%	DNR construction permits listed in Table Wood Dust System-2 567 IAC 23.3(2) "d"
PM10	lb/hr limits in Table Wood Dust System-3	DNR construction permits listed in Table Wood Dust System-2
PM	lb/hr limits in Table Wood Dust System-3	DNR construction permits listed in Table Wood Dust System-2
PM	0.01 gr/dscf	DNR construction permits listed in Table Wood Dust System-2 567 IAC 23.3(2) "a"
PM	0.1 gr/dscf	DNR construction permits listed in Table Wood Dust System-2 567 IAC 23.3(2) "a"

Operational Limits & Requirements

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

Operating Limits for EP-28

- A. The permittee shall operate and maintain the control equipment (CE-28) in accordance with manufacturer's specifications.

Authority for Requirement: DNR Construction Permit 92-A-583-S5

Operational limits are not required for EP-19, EP-27, EP-30, EP-54, EP-55, EP-69, EP-71, EP-72, EP-86, EP-88, and EP-102 at this time.

Reporting and 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. Records shall be legible and maintained in an orderly manner.

For EP-28 Only

- A. The permittee shall maintain monthly records of all maintenance and repairs conducted on the control equipment (CE-28).

Authority for Requirement: DNR Construction Permit 92-A-583-S5

There are no reporting and recordkeeping requirements for EP-19, EP-27, EP-30, EP-54, EP-55, EP-69, EP-71, EP-72, EP-86, EP-88, and EP-102 at this time.

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Table Wood Dust System-5

	Stack Height (ft, from the ground)	Stack Opening (dia. inch)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style	Authority for Requirement DNR Construction Permit
EP-19	35	48×48	54,700	Ambient	Horizontal	79-A-035-S4
EP-27	47	48×48	50,200	Ambient	Horizontal	92-A-582-S3
EP-28	38	53	41,000	70	Vertical Unobstructed	92-A-583-S5
EP-30	47	56	49,500	70	Vertical	92-A-584-S4
EP-54	29	50	48,043	70	Horizontal	92-A-585-S3
EP-55	38	54	64,576	70	Horizontal	92-A-586-S3
EP-69	47	54×63.5	55,000	Ambient	Horizontal	98-A-386-S4
EP-71	47	42×48	45,000	Ambient	Horizontal	10-A-335
EP-72	NA	NA	NA	NA	NA	None
EP-86	47	54	68,000	Ambient	Horizontal	99-A-189-S3

	Stack Height (ft, from the ground)	Stack Opening (dia. inch)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style	Authority for Requirement DNR Construction Permit
EP-88	40	60	61,200	Ambient	Vertical	00-A-017-S4
EP-102	30	54	68,000	Ambient	Horizontal	01-A-1234-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

Baghouse Agency Operation & Maintenance Plan

The key element of the material outlined below is the facilities willingness to use no visible emissions as an action level for taking corrective measures. If this had not been the case, further monitoring techniques may be requested. Examples of monitoring techniques which are used to evaluate baghouse performance may be found in the compilation named “Baghouse Periodic Monitoring Literature Review” (File Name bag_lit.doc). This document is a compilation of guidance from APTI training courses and other sources on ways to monitor baghouse performance.

The following baghouse parameters should be considered by the permit reviewer when determining what is monitored and the frequency.

Baghouse Parameters

Baghouse type: Pulse Jet Reverse Air Shaker

Material handled: Wood

Moisture problems possible: Yes No

Material corrosive: Yes No

If yes, are acid resistant bags in use: Yes No

Operating temperature (°F): Ambient

Monitoring Guidelines

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

General

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

Weekly

- Visible emissions shall be observed on a weekly basis to ensure no visible emissions occur during the material handling operation of the unit. If visible emissions are observed this would be an excursion not a violation, and corrective action will be taken as soon as possible, but no later than 8 hours. If corrective action does not return the observation to no visible emissions, then a Method 9 observation will be required. If an opacity (>40 %) is observed, this would be a violation and corrective action will be taken as soon as possible, but no later than eight hours from the observation of visible emissions. If weather conditions prevent the observer from conducting an observation, the observer shall note such conditions on the data observation sheet. At least three attempts shall be made to retake readings at approximately 2 hour intervals throughout the day. If unsuccessful that day due to weather, an observation shall be made the following day.
- Check and document the baghouse pressure drop. If the pressure drop falls out of the normal operating range, specified by the manufacturer, corrective action will be taken within 8 hours to return the pressure drop to normal.

Maintain a written record of the observation and any action resulting from the inspection.

Monthly

- Check the cleaning sequence of the baghouse.
- Pulse jet baghouse - check the air delivery system
- Check the hopper functions and performance.

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

Quarterly

- Thoroughly inspect bags for leaks and wear. (Look for obvious holes or tears in the bags.)

If leaks or abnormal conditions are detected the appropriate measures for remediation will be implemented within eight (8) hours. Bag replacement should be documented by identifying the date, time and location of the bag in relationship to the other bags. The location should be identified on an overhead drawing of the bag layout in the baghouse. Maintain a written record of the inspection and any action resulting from the inspection.

Semiannual

- Inspect every 6 months all components that are not subject to wear or plugging, including structural components, housing, ducts and hoods.

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

Record Keeping and Reporting

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

Quality Control

- The filter equipment will be operated and maintained according to the manufacturer's recommendations.
- An adequate inventory of spare parts shall be kept.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-7

Associated Equipment

Associated Emission Unit ID Numbers: EU-7

Emission Unit vented through this Emission Point: EU-7
Emission Unit Description: Wood Treating Stack/Vacuum Stack
Raw Material/Fuel: Wood Preserves
Rated Capacity: 25.84 gal/hr

Applicable Requirements

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

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

Emission limits are not required at this time.

Operational Limits & Requirements

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

Operational limits are not required at this time.

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-39

Associated Equipment

Associated Emission Unit ID Numbers: EU-39

Emission Unit vented through this Emission Point: EU-39
Emission Unit Description: Hardware Batch Drying Oven
Raw Material/Fuel: Natural Gas
Rated Capacity: 0.53 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 92-A-587-S4
567 IAC 23.3(2)"d"

⁽¹⁾If visible emissions are observed other than start-up, shutdown or malfunction, the owner/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 DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter (PM₁₀)

Emission Limit(s): 0.005 lb/hr

Authority for Requirement: DNR Construction Permit 92-A-587-S4

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 92-A-587-S4
567 IAC 23.3(2)"a"

Operational Limits & Requirements

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

Operational limits are not required at this time.

NSPS and NESHAP Applicability

This emission unit is subject to NESHAP Subpart M – National Emission Standard for Hazardous Air Pollutants for *Surface Coating of Miscellaneous Metal Parts and Products* and NESHAP Subpart A – *General Provisions*.

Authority for Requirement: DNR Construction Permit 92-A-587-S4
40 CFR Part 63 Subpart M
567 IAC 23.1(4)"cm"
40 CFR Part 63 Subpart A
567 IAC 23.1(4)"a"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 50
Stack Opening, (inches, dia.): 12
Exhaust Flow Rate (scfm): 5,500
Exhaust Temperature (°F): 500
Discharge Style: Vertical Obstructed
Authority for Requirement: DNR Construction Permit 92-A-587-S4

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-53

Associated Equipment

Associated Emission Unit ID Numbers: EU-53B
Emissions Control Equipment ID Number: CE-53
Emissions Control Equipment Description: Wet Scrubber

Emission Unit vented through this Emission Point: EU-53B
Emission Unit Description: Sludge Dryer
Raw Material/Fuel: Natural Gas
Rated Capacity: 0.42 MMBtu/hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

Authority for Requirement: DNR Construction Permit 90-A-156-S1
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM₁₀)

Emission Limit(s): 0.15 lb/hr

Authority for Requirement: DNR Construction Permit 90-A-156-S1

Pollutant: Particulate Matter (PM)

Emission Limit(s): 1.015 lb/hr; 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 90-A-156-S1
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

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

Pollutant: Mercury (Hg)

Emission Limit(s): 7.1 lb/24 hr

Authority for Requirement: DNR Construction Permit 90-A-156-S1
40 CFR 61 Subpart E
567 IAC 23.1(3)"d"

Operational Limits & Requirements

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

Operational limits are not required at this time.

NSPS and NESHAP Applicability

This emission unit is subject to 40 CFR Part 61 Subpart E – *National Emission Standards for Mercury* and 40 CFR Part 61 Subpart A – *General Provisions*.

Authority for Requirement: DNR Construction Permit 90-A-156-S1
40 CFR Part 61 Subpart E
567 IAC 23.1(3)"d"
40 CFR Part 61 Subpart A
567 IAC 23.1(3)"a"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 46
Stack Opening, (inches, dia.): 6
Exhaust Flow Rate (scfm): 675
Exhaust Temperature (°F): 500
Discharge Style: Vertical Obstructed
Authority for Requirement: DNR Construction Permit 90-A-156-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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-76

Associated Equipment

Associated Emission Unit ID Numbers: EU-76

Emission Unit vented through this Emission Point: EU-76

Emission Unit Description: Hog-Wood Bin

Raw Material/Fuel: Sawdust

Rated Capacity: 1,200 cf/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 01-A-995-S1
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM₁₀)

Emission Limit(s): 3.0 lb/hr

Authority for Requirement: DNR Construction Permit 01-A-995-S1

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 01-A-995-S1
567 IAC 23.3(2)"a"

Operational Limits & Requirements

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

Operational limits are not required at this time.

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 24
Stack Opening, (inches, dia.): Vents Internally through Screw Conveyor
Exhaust Flow Rate (scfm): Vents Internally through Screw Conveyor
Exhaust Temperature (°F): Ambient
Discharge Style: Displacement Air /Breathing Loss
Authority for Requirement: DNR Construction Permit 01-A-995-S1

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

Monitoring Requirements

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-77

Associated Equipment

Associated Emission Unit ID Numbers: EU-77

Emission Unit vented through this Emission Point: EU-77

Emission Unit Description: Saw Dust Silo – Tech Tank

Raw Material/Fuel: Saw Dust

Rated Capacity: 1000.0 ft/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 01-A-996-S1
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM₁₀)

Emission Limit(s): 3.0 lb/hr

Authority for Requirement: DNR Construction Permit 01-A-996-S1

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 01-A-996-S1
567 IAC 23.3(2)"a"

Operational Limits & Requirements

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

Operational limits are not required at this time.

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 72
Stack Opening, (inches, dia.): Vents Internally through Screw Conveyor
Exhaust Flow Rate (scfm): Displacement Air / Breathing Loss
Exhaust Temperature (°F): Ambient
Discharge Style: Vents Internally through Screw Conveyor
Authority for Requirement: DNR Construction Permit 01-A-996-S1

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

Monitoring Requirements

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-112

Associated Equipment

Associated Emission Unit ID Numbers: EU-112

Emission Unit vented through this Emission Point: EU-112
Emission Unit Description: Solvent Evaporation - Wood Treating and Drying
Raw Material/Fuel: Wood Preserves, Mineral Spirits
Rated Capacity: 2.85 gal/hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

Authority for Requirement: DNR Construction Permit 03-A-333-S1
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.01 gr/dscf

Authority for Requirement: DNR Construction Permit 03-A-333-S1
567 IAC 23.4(13)

Operating Requirements with Associated Monitoring and Recordkeeping

The owner/operator of this equipment shall comply with the operational limits and requirements listed below. All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- A. The maximum VOC content of any preservative or mineral spirits added to the Service Parts Wood Dip / Dry (EU 112) shall not exceed 6.50 pounds per gallon.
 - (1) The owner or operator shall record the VOC content of any preservative or mineral spirits added to the Service Parts Wood Dip / Dry (EU 112) in pounds per gallon.
- B. The maximum amount preservative and mineral spirits to be used is 5000 gallons per rolling 12-month period.
 - (1) The owner or operator shall assume that 10 percent of the quantity of VOC containing materials (preservative mineral spirits, etc.) used in EU 112 is not emitted on site and remains in the finished product.

- (2) The owner or operator shall determine on a monthly basis the quantity of VOC containing materials (preservative, mineral spirits, etc.), in gallons. The owner or operator shall determine the monthly quantity by the following methodology:
Quantity per month = quantity of all VOC containing materials/month*(1.00-0.10)
- (3) The owner or operator shall calculate and record the rolling 12-month total in gallons.

Authority for Requirement: DNR Construction Permit 03-A-333-S1

NSPS and NESHAP Applicability

Pella Corporation, Plant No. 63-02-003, is subject to 40 CFR Part 63 Subpart A, *National Emission Standards for Hazardous Air Pollutants: General Provisions*; and 40 CFR Part 63 Subpart QQQQ, *National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products* (567 IAC 23.1(4)"cq"). These units are also subject to the applicable requirements of the General Provisions (§§ 63.1 through 63.15) per Table 4 to Part 63, Subpart QQQQ.

1. The owner or operator shall comply with all reporting, notification, and recordkeeping requirements as specified 40 CFR Part 63 Subpart QQQQ-National Emission Standards for Hazardous Air Pollutants: *Surface Coating of Wood Building Products*, specifically §63.4710, §63.4720, §63.4730, 63.4731, §63.4750, §63.4751, and §63.4752.
2. The owner or operator shall comply with all reporting, notification, and recordkeeping requirements as specified 40 CFR Part 63 §63.4701 Table 4-Applicability of *General Provisions* §§63.1 through 63.15.

Authority for Requirement: DNR Construction Permit 03-A-333-S1
40 CFR Part 63 Subpart QQQQ
567 IAC 23.1(4) "cq"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 32.5

Stack Opening, (inches, dia.): 14

Exhaust Flow Rate (scfm): 1,800

Exhaust Temperature (°F): 70

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 03-A-333-S1

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-115

Associated Equipment

Associated Emission Unit ID Numbers: EU-115

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Emission Unit vented through this Emission Point: EU-115
Emission Unit Description: Emergency Generator
Raw Material/Fuel: Diesel Fuel
Rated Capacity: 1.18 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: DNR Construction Permit 04-A-1038

Pollutant: Particulate Matter (PM)
Emission Limit(s): 1.02 lb/hr
Authority for Requirement: DNR Construction Permit 04-A-1038

Pollutant: Nitrogen Oxides (NO_x)
Emission Limit(s): 14.32 lb/hr; 3.58 ton/yr
Authority for Requirement: DNR Construction Permit 04-A-1038

Operational Limits & Requirements

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

Operating Limits

- A. The engine is permitted to burn diesel fuel oil (No. 1 or No. 2).
- B. The sulfur content of the fuel oil burned shall not exceed 0.5 percent by weight.
- C. The engine shall not operate more than 500 hours in any rolling 12-month period.

Reporting and Recordkeeping

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

- A. The permittee shall perform an analysis and shall maintain records on the sulfur content of each shipment of oil received. Alternatively, the permittee shall have the oil supplier provide analyses on the sulfur content of the oil received.
- B. The permittee shall keep the following monthly records:
 - B1. the number of hours the engine operated; and
 - B2. the rolling, 12-month total of the number of hours the engine operated.

Authority for Requirement: DNR Construction Permit 04-A-1038

NSPS and NESHAP Applicability

This 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)(ii) this compression ignition emergency engine, located at a major source, is an existing stationary RICE as it was constructed prior to June 12, 2006.

Compliance Date

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

Operation and Maintenance Requirements 40 CFR 63.6602, 63.6625, 63.6640 and Tables 2c and 6 to Subpart ZZZZ

1. Change oil and filter every 500 hours of operation or annually, whichever comes first. (See 63.6625(i) for the oil analysis option to extend time frame of requirements.)
2. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first, and replace as necessary.
3. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
4. Operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
5. Install a non-resettable hour meter if one is not already installed.
6. Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

Operating Limits 40 CFR 63.6640(f)

1. Any operation other than emergency operation, maintenance and testing and operation in non-emergency situations (*up to*) 50 hours per year is prohibited.

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

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

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 18.5

Stack Opening, (inches, dia.): 8

Exhaust Flow Rate (scfm): 952

Exhaust Temperature (°F): 860

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 04-A-1038

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-117

Associated Equipment

Associated Emission Unit ID Numbers: EU-117

Emission Unit vented through this Emission Point: EU-117

Emission Unit Description: Welding Station

Raw Material/Fuel: Gas Metal Arc Welding

Rated Capacity: 10.4 lb/hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40% ⁽¹⁾

Authority for Requirement: DNR Construction Permit 05-A-629-S1
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM₁₀)

Emission Limit(s): 1.0 lb/hr

Authority for Requirement: DNR Construction Permit 05-A-629-S1

Pollutant: Particulate Matter (PM)

Emission Limit(s): 1.0 lb/hr; 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 05-A-629-S1
567 IAC 23.3(2)"a"

Operational Limits & Requirements

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

Operating Limits

- A. The facility is limited to use no more than 100,000 pounds of any combination of welding wire, rod or other welding material per rolling 12-month period for the welding exhaust.
- B. The facility may operate up to four (4) welders in the welding area.
- C. Each of the four (4) welders in the welding exhaust area are limited to not having a production rate for welding greater than 2.6 pounds per hour individually or a total

combination of 10.4 pounds per hour of any combination of welding wire, rod or other welding material per 12-month rolling period.

Reporting and Recordkeeping

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

- A. The facility shall record on a monthly basis the amount of welding wire, rod or other material used in the welding exhaust area.
- B. The facility shall maintain a rolling 12-month total for the amount of welding wire, rod or other welding material used in the welding exhaust area.
- C. The facility shall keep on file the manufacturer's rating for each of the welders in the welding exhaust area to verify the maximum capacity of the welding unit.

Authority for Requirement: DNR Construction Permit 05-A-629-S1

Emission Point Characteristics

The 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): 15,000

Exhaust Temperature (°F): 70

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 05-A-629-S1

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-222

Associated Equipment

Associated Emission Unit ID Numbers: EU-222

Emission Unit vented through this Emission Point: EU-222

Emission Unit Description: Paint Hook Oven

Raw Material/Fuel: Natural Gas

Rated Capacity: 0.875 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 10-A-535
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM₁₀)

Emission Limit(s): 0.2 lb/hr

Authority for Requirement: DNR Construction Permit 10-A-535

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.2 lb/hr; 0.1 gr/dscf

Authority for Requirement: DNR Construction Permit 10-A-535
567 IAC 23.3(2)"a"

Operational Limits & Requirements

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

Operating Limits

- A. The only fuel utilized in this unit shall be natural gas.
- B. The quantity of paint incinerated in this system shall not exceed 24 pound per batch.
- C. Equipment allowed to be burned off in this unit shall be limited to paint hangers.

Reporting and Recordkeeping

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

- A. The owner or operator shall maintain a record of the type of fuel burned in this unit.
- B. The owner or operator shall maintain a record of the amount of paint destroyed in this unit. One day per calendar month, each load put into the unit shall be weighed before and after burn-off to determine compliance with the 24 pound per batch burn-off limit in the Operating Limits section of this permit.

Authority for Requirement: DNR Construction Permit 10-A-535

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

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

Stack Opening, (inches, dia.): 18

Exhaust Flow Rate (scfm): 544

Exhaust Temperature (°F): 1,000

Discharge Style: Horizontal

Authority for Requirement: DNR Construction Permit 10-A-535

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-51

Associated Equipment

Associated Emission Unit ID Numbers: EU-51
Emissions Control Equipment ID Number: CE-51
Emissions Control Equipment Description: Baghouse

Emission Unit vented through this Emission Point: EU-51
Emission Unit Description: Surface Metal Grinding
Raw Material/Fuel: Metal
Rated Capacity: 12.8 lb/hr

Applicable Requirements

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

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

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

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.05 gr/dscf
Authority for Requirement: DNR Construction Permit 88-A-209
567 IAC 23.4(6)

Operational Limits & Requirements

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

Operational limits are not required at this time.

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 12
Stack Opening, (inches, dia.): 5
Exhaust Flow Rate (scfm): 875
Exhaust Temperature (°F): 70
Discharge Style: Indoor Vent
Authority for Requirement: DNR Construction Permit 88-A-209

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-Fugitive1

Associated Equipment

Associated Emission Unit ID Numbers: EU-FUG1

Emission Unit vented through this Emission Point: EU-FUG1
Emission Unit Description: Fugitive from Solvent Parts Washer
Raw Material/Fuel: Sealant
Rated Capacity: 0.034 gal/hr

Applicable Requirements

Emission limits and operational limits are not required at this time.

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-Fugitive2

Associated Equipment

Associated Emission Unit ID Numbers: EU-FUG2

Emission Unit vented through this Emission Point: EU-FUG2
Emission Unit Description: Sealant Application Fugitive Emissions
Raw Material/Fuel: Sealants, Adhesives & Like Chemicals
Rated Capacity: 90.9 lb/hr

Applicable Requirements

Emission limits and operational limits are not required at this time.

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-Fugitive3

Associated Equipment

Associated Emission Unit ID Numbers: EU-FUG3

Emission Unit vented through this Emission Point: EU-FUG3
Emission Unit Description: Fugitive from Heated Make-up Air
Raw Material/Fuel: Natural Gas
Rated Capacity: 0.0095 MMcf/hr

Applicable Requirements

Emission limits and operational limits are not required at this time.

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-INSIG.-3

Associated Equipment

Associated Emission Unit ID Numbers: EU-INSIG.-3

Emission Unit vented through this Emission Point: EU-INSIG.-3

Emission Unit Description: Emergency Generator

Raw Material/Fuel: Diesel

Rated Capacity: 397 hp

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.

Emission limits are not required at this time.

Operational Limits & Requirements

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

NSPS and NESHAP Applicability

This 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)(ii) this compression ignition emergency engine, located at a major source, is an existing stationary RICE as it was constructed prior to June 12, 2006.

Compliance Date

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

Operation and Maintenance Requirements 40 CFR 63.6602, 63.6625, 63.6640 and Tables 2c and 6 to Subpart ZZZZ

1. Change oil and filter every 500 hours of operation or annually, whichever comes first. (See 63.6625(i) for the oil analysis option to extend time frame of requirements.)
2. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first, and replace as necessary.
3. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
4. Operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and

operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

5. Install a non-resettable hour meter if one is not already installed.
6. Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

Operating Limits 40 CFR 63.6640(f)

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

3. Keep records of the maintenance conducted on the stationary RICE.
4. 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 2c to Subpart ZZZZ

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

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP-INSIG.-4

Associated Equipment

Associated Emission Unit ID Numbers: EU-INSIG.-4

Emission Unit vented through this Emission Point: EU-INSIG.-4

Emission Unit Description: Emergency Fire Pump

Raw Material/Fuel: Diesel

Rated Capacity: 75 hp

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.

Emission limits are not required at this time.

Operational Limits & Requirements

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

NSPS and NESHAP Applicability

This 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)(ii) this compression ignition emergency engine, located at a major source, is an existing stationary RICE as it was constructed prior to June 12, 2006.

Compliance Date

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

Operation and Maintenance Requirements 40 CFR 63.6602, 63.6625, 63.6640 and Tables 2c and 6 to Subpart ZZZZ

1. Change oil and filter every 500 hours of operation or annually, whichever comes first. (See 63.6625(i) for the oil analysis option to extend time frame of requirements.)
2. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first, and replace as necessary.
3. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
4. Operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and

operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

5. Install a non-resettable hour meter if one is not already installed.
6. Minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

Operating Limits 40 CFR 63.6640(f)

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

5. Keep records of the maintenance conducted on the stationary RICE.
6. 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 2c to Subpart ZZZZ

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

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

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 Permits, 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) 281-8694 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 an anaerobic lagoon without first obtaining a construction permit, or conditional permit, or permit pursuant to rule 567 IAC 22.8, or permits required pursuant to rules 567 IAC 22.4, 567 IAC 22.5, 567 IAC 31.3, and 567 IAC 33.3 as required in 567 IAC 22.1(1). A permit shall be obtained prior to the initiation of construction, installation or alteration of any portion of the stationary source or anaerobic lagoon. 567 IAC 22.1(1)

G20. Asbestos

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

G21. Open Burning

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

G22. Acid Rain (Title IV) Emissions Allowances

The permittee shall not exceed any allowances that it holds under Title IV of the Act or the regulations promulgated there under. Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners and operators of the unit or the designated representative of the owners and operators is prohibited. Exceedences of applicable

emission rates are prohibited. "Held" in this context refers to both those allowances assigned to the owners and operators by USEPA, and those allowances supplementally acquired by the owners and operators. The use of any allowance prior to the year for which it was allocated is prohibited. Contravention of any other provision of the permit is prohibited. 567 IAC 22.108(7)

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

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:

- a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.
- b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.
- c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.
- d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.

2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.
- b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.
- c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.
- d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)
- e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.
- f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.

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

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

5. The permittee shall be allowed to switch from any ozone-depleting or greenhouse gas generating substances to any alternative that is listed in the Significant New Alternatives

Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *40 CFR part 82*

G24. Permit Reopenings

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *567 IAC 22.108(9)"c"*
2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.
 - a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;
 - b. Reopening and revision on this ground is not required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to May 15, 2001.
 - c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 22.108(17)"a"*, *567 IAC 22.108(17)"b"*
3. A permit shall be reopened and revised under any of the following circumstances:
 - a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to July 21, 1992, provided that the reopening may be stayed pending judicial review of that determination;
 - b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;
 - c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.
 - d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.
 - e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. *567 IAC 22.114(1)*
4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. *567 IAC 22.114(2)*

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

G25. Permit Shield

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

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

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

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

- a. The provisions of Section 303 of the Act (emergency orders), including the authority of the administrator under that section;
- b. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
- c. The applicable requirements of the acid rain program, consistent with Section 408(a) of the Act;
- d. The ability of the department or the administrator to obtain information from the facility pursuant to Section 114 of the Act. *567 IAC 22.108 (18)*

G26. Severability

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

G27. Property Rights

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

G28. Transferability

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

G29. Disclaimer

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

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

The permittee shall notify the department's stack test contact in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor is performed to determine compliance with applicable requirements of *567 – Chapter 23* or a permit condition. Such notice shall include the time, the place, the name of the person who will conduct the test and other information as required by the department. If the owner or operator does not provide timely notice to the department, the department shall not consider the test results or performance evaluation results to be a valid demonstration of compliance with applicable rules or permit

conditions. Upon written request, the department may allow a notification period of less than 30 days. At the department's request, a pretest meeting shall be held not later than 15 days prior to conducting the compliance demonstration. A testing protocol shall be submitted to the department no later than 15 days before the owner or operator conducts the compliance demonstration. A representative of the department shall be permitted to witness the tests. Results of the tests shall be submitted in writing to the department's stack test contact in the form of a comprehensive report within six weeks of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which the source shall be operated. In cases where compliance is to be demonstrated at less than the maximum continuous output as rated by the equipment manufacturer, and it is the owner's intent to limit the capacity to that rating, the owner may submit evidence to the department that the source has been physically altered so that capacity cannot be exceeded, or the department may require additional testing, continuous monitoring, reports of operating levels, or any other information deemed necessary by the department to determine whether such source is in compliance.

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

Stack Test Review Coordinator
Iowa DNR, Air Quality Bureau
502 East 9th Street
Des Moines, IA 50319-0034
(515) 725-9545

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

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

G31. Prevention of Air Pollution Emergency Episodes

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

567 IAC 26.1(1)

G32. Contacts List

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

Chief of Air Permits
U.S. EPA Region 7
Air Permits and Compliance Branch
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
502 East 9th Street
Des Moines, IA 50319-0034
(515) 725-8200

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

Field Office 1

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

Field Office 2

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

Field Office 3

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

Field Office 4

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

Field Office 5

7900 Hickman Road, Suite #200
Windsor Heights, IA 50324
(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

- A. 40 CFR 60 Subpart A – General Provisions
<https://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&SID=&mc=true&n=pt40.7.60&r=PART&ty=HTML#sp40.7.60.a>
- B. 40 CFR 60 Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units
https://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&SID=&mc=true&n=pt40.7.60&r=PART&ty=HTML#sp40.7.60.d_0c
- C. 40 CFR 61 Subpart E – National Emission Standard for Mercury
<https://www.ecfr.gov/cgi-bin/text-idx?SID=540e8c98aeb3f621a6701934834461d8&mc=true&node=pt40.10.61&rgn=div5#sp40.10.61.e>
- D. 40 CFR 63 Subpart A – General Provisions
<https://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&SID=&mc=true&r=PART&n=pt40.11.63#sp40.11.63.a>
- E. 40 CFR 63 Subpart MMMM – National Emission Standard for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products.
<https://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&SID=&mc=true&r=PART&n=pt40.14.63#sp40.14.63.mmmm>
- F. 40 CFR 63 Subpart PPPP – National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products.
<https://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&SID=&mc=true&r=PART&n=pt40.14.63#sp40.14.63.pppp>
- G. 40 CFR 63 Subpart QQQQ – National Emission Standard for Hazardous Air Pollutants: Surface Coating of Wood Building Products.
<https://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&SID=&mc=true&r=PART&n=pt40.14.63#sp40.14.63.qqqq>
- H. 40 CFR Part 63 Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines (RICE NESHAP)
<https://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&SID=&mc=true&r=PART&n=pt40.15.63#sp40.15.63.zzzz>
- I. 40 CFR Part 63 Subpart DDDDD – National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters (Boiler MACT).
<https://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&SID=&mc=true&r=PART&n=pt40.15.63#sp40.15.63.ddddd>

Appendix B

PRE-FINISHED PRODUCT LINE GROUP		
<i>Emission Unit Name</i>	<i>Emission Unit ID</i>	<i>Emission Point ID</i>
Pre-Finished Product Line Manual Coating Booth #1	EU-118	EP-118
Pre-Finished Product Line Manual Coating Booth #2	EU-119	EP-119
Pre-Finished Product Line Electric Oven	EU-120	EP-120
Pre-Finished Product Line Manual Coating Booth #3	EU-121	EP-121
Pre-Finished Product Line Electric Oven	EU-122	EP-122
Pre-Finished Product Line Manual Coating Booth #4	EU-123	EP-123
Pre-Finished Product Line Electric Oven	EU-124	EP-124
Pre-Finished Product Line Manual Coating Booth #5	EU-125	EP-125
Pre-Finished Product Line Electric Oven	EU-126	EP-126
Pre-Finished Product Line ½ Auto Coating Booth #7	EU-130	EP-130
Pre-Finished Product Line Electric Oven	EU-131	EP-131
Pre-Finished Product Line ½ Auto Coating Booth #8	EU-132	EP-132
Pre-Finished Product Line Electric Oven	EU-133	EP-133
Pre-Finished Product Line ½ Auto Coating Booth #9	EU-134	EP-134
Pre-Finished Product Line Electric Oven	EU-135	EP-135
Pre-Finished Product Line ½ Auto Coating Booth #10	EU-136	EP-136
Pre-Finished Product Line ½ Auto Coating Booth #11	EU-137	EP-137
Pre-Finished Product Line Electric Ovens	EU-139a and EU-139b	EP-139
Pre-Finished Product Line ½ Auto Coating Booth #13	EU-140	EP-140
Pre-Finished Product Line ½ Auto Coating Booth #14	EU-141	EP-141
Pre-Finished Product Line Electric Ovens	EU-143a and EU-143b	EP-143
Pre-Finished Product Line ½ Auto Coating Booth #16	EU-144	EP-144
Pre-Finished Product Line ½ Auto Coating Booth #17	EU-145	EP-145
Pre-Finished Product Line ½ Auto Coating Booth #18	EU-146	EP-146
Pre-Finished Product Line Manual Coating Booth #19	EU-147	EP-147
Pre-Finished Product Line ½ Auto Coating Booth #25	EU-155	EP-155
Pre-Finished Product Line ½ Auto Coating Booth #26	EU-156	EP-156
Pre-Finished Product Line Electric Oven	EU-173	EP-173
Pre-Finished Product Line Electric Oven	EU-174	EP-174
Pre-Finished Product Line ½ Auto Coating Booth #32	EU-176	EP-176
Pre-Finished Product Line ½ Auto Coating Booth #34	EU-178	EP-178
Pre-Finished Product Line Electric Oven	EU-179	EP-179
Pre-Finished Product Line Electric Oven	EU-180	EP-180
Pre-Finished Product Line ½ Auto Coating Booth #35	EU-181	EP-181
Pre-Finished Product Line ½ Auto Coating Booth #36	EU-182	EP-182
Pre-Finished Product Line Electric Oven	EU-183	EP-183
Pre-Finished Product Line ½ Auto Coating Booth #44	EU-195	EP-195
Pre-Finished Product Line Electric Oven	EU-199	EP-199
Pre-Finished Product Line Manual Coating Booth #50	EU-203	EP-203
Pre-Finished Product Line Electric Oven	EU-205	EP-205
Pre-Finished Product Line ½ Auto Coating Booth #55	EU-226	EP-226
Pre-Finished Product Line Electric Oven	EU-227	EP-227
Pre-Finished Product Line Manual Coating Booth #56	EU-228	EP-228
Pre-Finished Product Line ½ Auto Coating Booth #232	EU-232	EP-232

Pre-Finished Product Line ½ Auto Coating Booth #233	EU-233	EP-233
Pre-Finished Product Line ½ Auto Coating Booth #234	EU-234	EP-234
Pre-Finished Product Line ½ Auto Coating Booth #235	EU-235	EP-235
Pre-Finished Product Line Electric Oven	EU-236	EP-236
Pre-Finished Product Line Electric Oven	EU-237	EP-237