Iowa Department of Natural Resources
Draft 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-030R4
Expiration Date: August 24, 2028
Permit Renewal Application Deadline: February 24, 2028

EIQ Number: 92-4047
Facility File Number: 63-02-003

Responsible Official
Name: Mr. Jeff Schick
Title: Vice President of Manufacturing
Mailing Address: 102 Main Street, Pella, IA 50219
Phone #: (641) 621-1000

Permit Contact Person for the Facility
Name: Mr. Peter Dahlgren
Title: Senior Environmental & Safety Engineer
Mailing Address: 102 Main Street, Pella, IA 50219
Phone #: (641) 621-6695

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

For the Director of the Department of Natural Resources

Marnie Stein 8/25/2023

Marnie Stein 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
^{o}F .....degrees Fahrenheit
EIQ.....emissions inventory questionnaire
EP.....emission point
EU .....emission unit
gr./dscf .....grains per dry standard cubic foot
IAC.....Iowa Administrative Code
IDNR.....Iowa Department of Natural Resources
MVAC.....motor vehicle air conditioner
NAICS.....North American Industry Classification System
NSPS .....new source performance standard
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-030R4

Facility Description: Millwork (SIC 2431)

Equipment List

Emission Point Number	Emission Unit Number	Emission Unit Description	DNR Construction Permit Number
Boilers			
EP-2	EU-2	Boiler #2	04-A-1010-S4
EP-14	EU-14	Boiler #3	04-A-1011-S4
EP-16	EU-16	Boiler #4	01-A-994-S6
EP-49	EU-49	Boiler #6	88-A-186-S5
Pre-Finished Product Line Electric Ovens			
EP-124	EU-124	Pre-Finished Product Line Electric Oven	07-A-993-S7
EP-126	EU-126	Pre-Finished Product Line Electric Oven	07-A-995-S8
EP-131	EU-131	Pre-Finished Product Line Electric Oven	08-A-198-S6
EP-133	EU-133	Pre-Finished Product Line Electric Oven	08-A-200-S7
EP-135	EU-135	Pre-Finished Product Line Electric Oven	08-A-202-S6
EP-139	EU-139A	Pre-Finished Product Line Electric Oven	08-A-360-S5
	EU-139B	Pre-Finished Product Line Electric Oven	
EP-173	EU-173	Pre-Finished Product Line Electric Oven	09-A-584-S4
EP-174	EU-174	Pre-Finished Product Line Electric Oven	09-A-585-S3
EP-179	EU-179	Pre-Finished Product Line Electric Oven	09-A-590-S4
EP-180	EU-180	Pre-Finished Product Line Electric Oven	09-A-591-S4
EP-183	EU-183	Pre-Finished Product Line Electric Oven	09-A-594-S3
EP-199	EU-199	Pre-Finished Product Line Electric Oven	09-A-610-S3
EP-236	EU-236	Pre-Finished Product Line Electric Oven	12-A-115-S2
EP-237	EU-237	Pre-Finished Product Line Electric Oven	12-A-116-S2
EP-239	EU-239	Pre-Finished Product Line Electric Oven	18-A-437-S1
EP-243	EU-243	Pre-Finished Product Line Electric Oven	19-A-695
EP-246	EU-246	Pre-Finished Product Line Electric Oven	20-A-239
EP-248	EU-248	Pre-Finished Product Line Electric Oven #248	21-A-110
EP-250	EU-250	Pre-Finished Product Line Electric Oven #250	22-A-089
EP-251	EU-251	Pre-Finished Product Line Electric Oven #251	22-A-181
EP-252	EU-252	Pre-Finished Product Line Electric Oven #252	23-A-049

Pre-Finished Product Line Coating Booths			
EP-121	EU-121	Pre-Finished Product Line Manual Coating Booth #3	07-A-132-S9
EP-123	EU-123	Pre-Finished Product Line Manual Coating Booth #4	07-A-992-S9
EP-125	EU-125	Pre-Finished Product Line Manual Coating Booth #5	07-A-994-S9
EP-130	EU-130	Pre-Finished Product Line ½ Auto Coating Booth #7	08-A-197-S7
EP-132	EU-132	Pre-Finished Product Line ½ Auto Coating Booth #8	08-A-199-S7
EP-134	EU-134	Pre-Finished Product Line ½ Auto Coating Booth #9	08-A-201-S7
EP-136	EU-136	Pre-Finished Product Line ½ Auto Coating Booth #10	08-A-357-S6
EP-137	EU-137	Pre-Finished Product Line ½ Auto Coating Booth #11	08-A-358-S6
EP-144	EU-144	Pre-Finished Product Line ½ Auto Coating Booth #16	08-A-365-S6
EP-145	EU-145	Pre-Finished Product Line ½ Auto Coating Booth #17	08-A-366-S6
EP-146	EU-146	Pre-Finished Product Line ½ Auto Coating Booth #18	08-A-367-S5
EP-147	EU-147	Pre-Finished Product Line Manual Coating Booth #19	09-A-569-S5
EP-155	EU-155	Pre-Finished Product Line ½ Auto Coating Booth #25	09-A-577-S5
EP-156	EU-156	Pre-Finished Product Line ½ Auto Coating Booth #26	09-A-578-S5
EP-176	EU-176	Pre-Finished Product Line ½ Auto Coating Booth #32	09-A-587-S5
EP-177	EU-177	Pre-Finished Product Line ½ Auto Coating Booth #33	09-A-588-S4
EP-181	EU-181	Pre-Finished Product Line ½ Auto Coating Booth #35	09-A-592-S4
EP-182	EU-182	Pre-Finished Product Line ½ Auto Coating Booth #36	09-A-593-S4
EP-195	EU-195	Pre-Finished Product Line ½ Auto Coating Booth #44	09-A-606-S4
EP-228	EU-228	Pre-Finished Product Line Manual Coating Booth #56	11-A-206-S3

EP-232	EU-232	Pre-Finished Product Line ½ Auto Coating Booth #232	12-A-111-S2
EP-233	EU-233	Pre-Finished Product Line ½ Auto Coating Booth #233	12-A-112-S2
EP-234	EU-234	Pre-Finished Product Line ½ Auto Coating Booth #234	12-A-113-S2
EP-235	EU-235	Pre-Finished Product Line ½ Auto Coating Booth #235	12-A-114-S2
EP-241	EU-241	Pre-Finished Product Line Stain/Sealer Coating Booth	19-A-693
EP-242	EU-242	Pre-Finished Product Line Topcoat Coating Booth	19-A-694
EP-247	EU-247	Pre-Finished Product Line Coating Booth #247	21-A-109
EP-249	EU-249	Pre-Finished Product Line Coating Booth #249	22-A-008
Vertical Line Bake and Dry-off Ovens			
EP-40	EU-40	Vertical Line Pretreatment Dry-off Oven	92-A-588-S8
EP-41	EU-41	Vertical Line Primer Bake Oven	92-A-589-S8
EP-42	EU-42	Vertical Line Top Coat Bake Oven	92-A-590-S8
Oxidizer-Controlled Wood Treat Systems & Horizontal Line Paint System			
EP-RTO	EU-58	Wood Dip-Dry: Door 1	19-A-709-P1
	EU-89	Wood Dip-Dry: Door 2	
	EU-169	Wood Dip-Dry: Door 3	
	EU-240	Inline Wood Treat System	
EP-245 (by-pass)	EU-58	Wood Dip-Dry: Door 1	19-A-710-P2
	EU-89	Wood Dip-Dry: Door 2	
	EU-169	Wood Dip-Dry: Door 3	
	EU-240	Inline Wood Treat System	
EP-DRY	EU-DRY	Treated-Wood Drying Process	19-A-711-P1
EP-35	EU-35	Horizontal Line Paint Booth #1	92-A-606-S15
EP-RTO	EU-37	Horizontal Line Paint Booth #2	19-A-709-P1
	EU-38	Horizontal Line Paint Booth #3	
	EU-48	Horizontal Line Top Coat Bake Oven	
EP-37 (by-pass)	EU-37	Horizontal Line Paint Booth #2	92-A-644-S16
EP-38 (by-pass)	EU-38	Horizontal Line Paint Booth #3	92-A-608-S16
EP-47	EU-47	Horizontal Line Pretreatment Dry-Off Oven	92-A-592-S8
EP-48 (by-pass)	EU-48	Horizontal Line Top Coat Bake Oven	92-A-593-S9
EP-68A	EU-68	Horizontal Line Manual Touch-Up Paint Booth	92-A-645-S15
EP-68B	EU-68	Horizontal Line Manual Touch-Up Paint Booth	02-A-910-S10
EP-110	EU-110	Horizontal Line Paint Booth #4	02-A-911-S9

Paint Booths			
EP-3	EU-3	Paint/Lacquer Spray Booth	05-A-648-S1
EP-8	EU-8	Reorder Booth	00-A-181-S6
EP-52	EU-52	Paint Spray Booth - Maintenance Paint Booth	04-A-437-S4
Hardware and Vertical Line Paint Booths			
EP-29	EU-29	Hardware Paint Booth	92-A-596-S10
EP-31	EU-31	Vertical Line Paint Booth #1	92-A-602-S9
EP-32	EU-32	Vertical Line Paint Booth #2	92-A-603-S9
EP-33	EU-33	Vertical Line Paint Booth #3	92-A-604-S10
EP-34	EU-34	Vertical Line Paint Booth #4	92-A-605-S10
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 Stations			
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 (Indoor Venting)	10-A-517
Surface Prep			
EP-161	EU-161	Surface Prep Area #3	08-A-205-S3
EP-167	EU-167	Surface Prep Area #9	08-A-211-S3
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 Collection System (Torit #4)	92-A-584-S5
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	NA
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

Miscellaneous			
EP-39	EU-39	Hardware Batch Drying Oven	92-A-587-S4
EP-77	EU-77	Saw Dust 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 Station	05-A-629-S1
EP-222	EU-222	Paint Hook Oven (burn-off oven)	10-A-535-S1
EP-51	EU-51	Surface Metal Grinding	88-A-209
EP-Fugitive1	EU-FUG1	Fugitive from Solvent Parts Washer	NA
EP-Fugitive2	EU-FUG2	Sealant Application Fugitive Emissions	NA
EP-Fugitive3	EU-FUG3	Fugitive from Heated Make-up Air	NA
EP-INSIG.-3	EU-INSIG.-3	Emergency Generator	NA
EP-INSIG.-4	EU-INSIG.-4	Emergency Fire Pump	NA

Insignificant Activities Equipment List

Insignificant Emission Unit Number	Insignificant Emission Unit Description
EU-81	Wood Preservative Storage Tank
EU-82	Wood Preservative Drain Tank
EU-83	#2 Fuel Oil Storage Tank
EU-83B	#2 Fuel Oil Storage 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-030R4

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: August 25, 2023
Ending on: August 24, 2028

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

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

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

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

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

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

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

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

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

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40 CFR 60 Subpart A Requirements

This facility is an affected source and these General Provisions apply to the facility.
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. See Appendix for the link of the Standard.
Authority for Requirement: 40 CFR 60 Subpart Dc
567 IAC 23.1(2)"lll"

40 CFR 63 Subpart A Requirements
This facility is an affected source and these General Provisions apply to the facility.
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. See Appendix for the link of the Standard.
Authority for Requirement: 40 CFR 63 Subpart MMMM
567 IAC 23.1(4)"cm"

40 CFR 63 Subpart QQQQ Requirements
This facility is subject to National Emission Standard for Hazardous Air Pollutants: Surface Coating of Wood Building Products. 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]. 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]. 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-030R4

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

Associated Equipment

Table Boilers-1

Emission Point	Emission Unit	Emission Unit Description	Raw Material	Maximum Design Capacity	Construction Permit
EP-2	EU-2	Boiler #2	Natural Gas	8.37 MMBtu/hr	04-A-1010-S4
EP-14	EU-14	Boiler #3	Natural Gas	14.65 MMBtu/hr	04-A-1011-S4
EP-16	EU-16	Boiler #4	Natural Gas	14.65 MMBtu/hr	01-A-994-S6
EP-49	EU-49	Boiler #6	Natural Gas	22.6 MMBtu/hr	88-A-186-S5

Applicable Requirements

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

Table Boilers-2

Emission Point	Opacity	Particulate Matter (PM_{10})	Particulate Matter (PM)	Sulfur Dioxide (SO_2)
EP-2	40% (1) (2)	0.06 lb/hr (5)	0.18 lb/hr (5), 0.6 lb/MMBtu (3)	500 ppm_v (4)
EP-14	40% (1) (2)	0.11 lb/hr (5)	0.33 lb/hr (5), 0.6 lb/MMBtu (3)	500 ppm_v (4)
EP-16	40% (1) (2)	0.11 lb/hr (5)	0.33 lb/hr (5), 0.6 lb/MMBtu (3)	500 ppm_v (4)
EP-49	40% (1) (2)	0.17 lb/hr (5)	0.51 lb/hr (5), 0.6 lb/MMBtu (3)	500 ppm_v (4)

(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"(2)
(4) Authority for Requirement: 567 IAC 23.3(3)"e"
(5) Authority for Requirement: DNR Construction Permits listed in Table Boilers-1

New Source Performance Standards (NSPS):
The following subparts apply to the listed emission unit:

Emission Unit	Subpart	Title	Type	State Reference (567 IAC)	Federal Reference (40 CFR)
EU-49	A	General Provisions	NA	23.1(2)	§60.1 – §60.19
	Dc (1)	Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	Gas-fired Units	23.1(2)"lll"	§60.40c – §60.48c

(1) At the time of this permit issuance, the Department has adopted by reference amendments to NSPS, Subpart Dc through January 20, 2011. However, Plant No. 63-02-003 must comply with all applicable amendments to Subpart Dc.

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

A. The owner or operator shall use natural gas as the only fuel for Boiler #2 (EU-2), Boiler #3 (EU-14), Boiler #4 (EU-16), and Boiler #6 (EU-49).
   1. The owner or operator shall maintain a record of the type of fuel burned in Boiler #2 (EU-2), Boiler #3 (EU-14), Boiler #4 (EU-16), and Boiler #6 (EU-49).
   2. Prior to burning any other fuel in these units, the owner or operator shall apply for, and obtain, a new construction permit from the Department.

B. Boiler #6 (EU-49) is subject to 40 CFR Part 60, Subpart Dc [§60.40c - §60.48c]; therefore, the owner or operator shall comply with the applicable standards, including those not specifically mentioned in this permit.

C. Per 40 CFR §60.48c(g)(1), the owner or operator shall record and maintain records of the amount of fuel combusted in Boiler #6 (EU-49) during each operating day for this unit. As an alternative to this requirement, the owner or operator may elect to:
   1. Record and maintain records of the amount of fuel combusted during each calendar month [40 CFR §60.48c(g)(2)]; or
   2. Record and maintain records of the total amount of the steam generating unit fuel delivered to the property during each calendar month [40 CFR §60.48c(g)(3)].

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

Emission Point Characteristics

The emission points shall conform to the specifications listed below.

Table Boilers-3

Emission Point	Stack Height, (feet)	Stack Opening, inches	Exhaust Flow Rate (scfm)	Stack Temperature, °F	Discharge Style
EP-2	37	16	1,320	350	Vertical, unobstructed
EP-14	36	19	2,606	350	Vertical, unobstructed
EP-16	36	21	2,620	350	Vertical, unobstructed
EP-49	45	32	14,400	450	Vertical, unobstructed

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

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

Emission Point	Emission Unit	Emission Unit Description	Maximum Design Capacity	Construction Permit
EP-124	EU-124	Pre-Finished Product Line Electric Oven	83 kW-hour	07-A-993-S7
EP-126	EU-126	Pre-Finished Product Line Electric Oven	83 kW-hour	07-A-995-S8
EP-131	EU-131	Pre-Finished Product Line Electric Oven	175 kW-hour	08-A-198-S6
EP-133	EU-133	Pre-Finished Product Line Electric Oven	72 kW-hour	08-A-200-S7
EP-135	EU-135	Pre-Finished Product Line Electric Oven	120 kW-hour	08-A-202-S6
EP-139	EU-139A	Pre-Finished Product Line Electric Oven	120 kW-hour	08-A-360-S5
	EU-139B	Pre-Finished Product Line Electric Oven	56 kW-hour	
EP-173	EU-173	Pre-Finished Product Line Electric Oven	175 kW-hour	09-A-584-S4
EP-174	EU-174	Pre-Finished Product Line Electric Oven	56 kW-hour	09-A-585-S3
EP-179	EU-179	Pre-Finished Product Line Electric Oven	56 kW-hour	09-A-590-S4
EP-180	EU-180	Pre-Finished Product Line Electric Oven	120 kW-hour	09-A-591-S4
EP-183	EU-183	Pre-Finished Product Line Electric Oven	120 kW-hour	09-A-594-S3
EP-199	EU-199	Pre-Finished Product Line Electric Oven	56 kW-hour	09-A-610-S3
EP-236	EU-236	Pre-Finished Product Line Electric Oven	175 kW-hour	12-A-115-S2
EP-237	EU-237	Pre-Finished Product Line Electric Oven	175 kW-hour	12-A-116-S2
EP-239	EU-239	Pre-Finished Product Line Electric Oven	103.2 kW-hour	18-A-437-S1
EP-243	EU-243	Pre-Finished Product Line Electric Oven	120 kW-hour	19-A-695
EP-246	EU-246	Pre-Finished Product Line Electric Oven	47.33 kW-hour; 40 parts/hour	20-A-239
EP-248	EU-248	Pre-Finished Product Line Electric Oven #248	175 kW-hour	21-A-110
EP-250	EU-250	Pre-Finished Product Line Electric Oven #250	175 kW-hour	22-A-089
EP-251	EU-251	Pre-Finished Product Line Electric Oven #251	175 kW-hour	22-A-181
EP-252	EU-252	Pre-Finished Product Line Electric Oven #252	175 kW-hour	23-A-049

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

Emission Point	Opacity	Particulate Matter (PM_{10})	Particulate Matter (PM)	Volatile Organic Compounds (VOC)	Organic HAP
EP-124, EP-126, EP-131, EP-133, EP-135, EP-139, EP-173, EP-174, EP-179, EP-180, EP-183, EP-199, EP-236, EP-237, EP-246, EP-239, EP-248, EP-251	40% (1) (2)		0.01 lb/hr (6), 0.1 gr/dscf (3)	39.4 tons/yr (6)	1.93 pounds organic HAP/gallon coating solids (Doors, windows, and miscellaneous) (4)(5)
EP-243			0.10 lb/hr (6), 0.1 gr/dscf (3)		
EP-250		0.01 lb/hr (6)	0.01 lb/hr (6), 0.1 gr/dscf (3)		
EP-252			0.02 lb/hr (6), 0.1 gr/dscf (3)		

(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 23.2(2)"a"(1)
(4) Authority for Requirement: 40 CFR §63.4690(b) and Table 2 of Subpart QQQQ
(5) Authority for Requirement: 567 IAC 23.1(4)"cq"
(6) Authority for Requirement: DNR Construction Permits listed in Table Electric Ovens-1

National Emission Standards for Hazardous Air Pollutants (NESHAP):
The following subparts apply to the Pre-Finished Product Line Electric Ovens:

Emission Point	Subpart	Title	Type	State Reference (567 IAC)	Federal Reference (40 CFR)
EP-124, EP-126, EP-131, EP-133, EP-135, EP-139, EP-173, EP-174, EP-179, EP-180, EP-183, EP-199, EP-236, EP-237, EP-239, EP-243, EP-246, EP-248, EP-250, EP-251, EP-252	A	General Provisions	NA	23.1(4)	§63.1 – §63.15
	QQQQ	NESHAP for Surface Coating of Wood Building Products	existing doors, windows, and miscellaneous	23.1(4)"*cq*"	§63.4680 – §63.4781

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

National Emission Standards for Hazardous Air Pollutants Requirements

A. 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.
    1. The owner or operator shall maintain the emission units described in Table Electric Ovens-1 according to the provisions in 40 CFR §63.6(e)(1)(i) of Subpart A as per the compliance requirements in 40 CFR §63.4700 of Subpart QQQQ.

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.
    1. The emission units in the Pre-Finished Product Line shall be in compliance with the emission limit in §63.4690(b) in accordance with 40 CFR §63.4700(a)(2)(i) of Subpart QQQQ.
        a. The owner or operator shall use at least one of the compliance options described in §63.4691 of Subpart QQQQ to determine whether the organic emission rate is equal to or less than the emission limit in §63.4690(b) of Subpart QQQQ.

i. If the owner or operator chooses to implement the "*Emission Rate with Add-on Controls Option*" as specified in §63.4691(c) of Subpart QQQQ, the owner or operator shall submit a request to the Department to amend the "*Collection of Air Permits*."

2. The owner or operator shall comply at all times with the applicable work practice standards outlined in 40 CFR §63.4693 of Subpart QQQQ.

3. The owner or operator shall comply with the applicable notifications, reporting, and recordkeeping requirements in 40 CFR §63.4710, §63.4720, and §63.4730 of Subpart QQQQ, respectively.

Authority for Requirement: DNR Construction Permits listed in Table Electric Ovens-1
40 CFR Part 63, Subpart QQQQ
567 IAC 23.1(4)"cq"

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

Table Electric Ovens-3

Emission Point	Stack Height (feet, from the ground)	Discharge Style	Stack Outlet Dimension (inches)	Exhaust Temperature (°F)	Exhaust Flowrate (scfm)
EP-124	32	Vertical, unobstructed	12	120	660
EP-126	32	Vertical, unobstructed	12	120	900
EP-131	40	Vertical, unobstructed	12	120	900
EP-133	38	Vertical, unobstructed	10	120	900
EP-135	33.5	Vertical, unobstructed	12	120	900
EP-139	32	Vertical, unobstructed	12	120	900
EP-173	32	Vertical, unobstructed	12	120	900
EP-174	32	Vertical, unobstructed	12	120	900
EP-179	32	Vertical, unobstructed	12	120	900
EP-180	32	Vertical, unobstructed	12	120	900
EP-183	37.5	Vertical, unobstructed	12	120	900
EP-199	37.5	Vertical, unobstructed	12	120	900
EP-236	32	Vertical, unobstructed	12	120	690
EP-237	32	Vertical, unobstructed	12	120	690
EP-239	33	Vertical, unobstructed	10	120	900
EP-243	33	Vertical, unobstructed	10	120	3,150
EP-246	33	Vertical, unobstructed	12	120	910
EP-248	32	Vertical, unobstructed	14	120	910
EP-250	32	Vertical, unobstructed	14	120	910
EP-251	32	Vertical, unobstructed	14	120	910
EP-252	33	Vertical, unobstructed	14	120	2,100

Authority for Requirement: DNR Construction Permits listed in Table Electric Ovens-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.

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 Coating Booths

Associated Equipment

Table Coating Booths-1

Emission Point	Emission Unit	Emission Unit Description	Maximum Design Capacity	Control Equipment	Construction Permit
EP-121	EU-121	Pre-Finished Product Line Manual Coating Booth #3	1 HVLP spray gun at 6.5 gal/hour	Dry Filters (CE-121)	07-A-132-S9
EP-123	EU-123	Pre-Finished Product Line Manual Coating Booth #4	1 HVLP spray gun at 6.5 gal/hour	Dry Filters (CE-123)	07-A-992-S9
EP-125	EU-125	Pre-Finished Product Line Manual Coating Booth #5	1 HVLP spray gun at 6.5 gal/hour	Dry Filters (CE-125)	07-A-994-S9
EP-130	EU-130	Pre-Finished Product Line ½ Auto Coating Booth #7	4 HVLP spray guns, each at 6.5 gal/hour	Dry Filters (CE-130)	08-A-197-S7
EP-132	EU-132	Pre-Finished Product Line ½ Auto Coating Booth #8	4 HVLP spray guns, each at 6.5 gal/hour	Dry Filters (CE-132)	08-A-199-S7
EP-134	EU-134	Pre-Finished Product Line ½ Auto Coating Booth #9	4 HVLP spray guns, each at 6.5 gal/hour	Dry Filters (CE-134)	08-A-201-S7
EP-136	EU-136	Pre-Finished Product Line ½ Auto Coating Booth #10	4 HVLP spray guns, each at 6.5 gal/hour	Dry Filters (CE-136)	08-A-357-S6
EP-137	EU-137	Pre-Finished Product Line ½ Auto Coating Booth #11	4 HVLP spray guns, each at 6.5 gal/hour	Dry Filters (CE-137)	08-A-358-S6
EP-144	EU-144	Pre-Finished Product Line ½ Auto Coating Booth #16	4 HVLP spray guns, each at 6.5 gal/hour	Dry Filters (CE-144)	08-A-365-S6
EP-145	EU-145	Pre-Finished Product Line ½ Auto Coating Booth #17	4 HVLP spray guns, each at 6.5 gal/hour	Dry Filters (CE-145)	08-A-366-S6
EP-146	EU-146	Pre-Finished Product Line ½ Auto Coating Booth #18	4 HVLP spray guns, each at 6.5 gal/hour	Dry Filters (CE-146)	08-A-367-S5
EP-147	EU-147	Pre-Finished Product Line Manual Coating Booth #19	1 HVLP spray gun at 6.5 gal/hour	Dry Filters (CE-147)	09-A-569-S5
EP-155	EU-155	Pre-Finished Product Line ½ Auto Coating Booth #25	4 HVLP spray guns, each at 6.5 gal/hour	Dry Filters (CE-155)	09-A-577-S5
EP-156	EU-156	Pre-Finished Product Line ½ Auto Coating Booth #26	4 HVLP spray guns, each at 6.5 gal/hour	Dry Filters (CE-156)	09-A-578-S5
EP-176	EU-176	Pre-Finished Product Line ½ Auto Coating Booth #32	4 HVLP spray guns, each at 6.5 gal/hour	Dry Filters (CE-176)	09-A-587-S5

Emission Point	Emission Unit	Emission Unit Description	Maximum Design Capacity	Control Equipment	Construction Permit
EP-177	EU-177	Pre-Finished Product Line ½ Auto Coating Booth #33	4 HVLP spray guns, each at 6.5 gal/hour	Dry Filters (CE-177)	09-A-588-S4
EP-181	EU-181	Pre-Finished Product Line ½ Auto Coating Booth #35	4 HVLP spray guns, each at 6.5 gal/hour	Dry Filters (CE-181)	09-A-592-S4
EP-182	EU-182	Pre-Finished Product Line ½ Auto Coating Booth #36	4 HVLP spray guns, each at 6.5 gal/hour	Dry Filters (CE-182)	09-A-593-S4
EP-195	EU-195	Pre-Finished Product Line ½ Auto Coating Booth #44	4 HVLP spray guns, each at 6.5 gal/hour	Dry Filters (CE-195)	09-A-606-S4
EP-228	EU-228	Pre-Finished Product Line Manual Coating Booth #56	1 HVLP spray gun at 6.5 gal/hour	Dry Filters (CE-228)	11-A-206-S3
EP-232	EU-232	Pre-Finished Product Line ½ Auto Coating Booth #232	4 HVLP spray guns, each at 6.5 gal/hour	Dry Filters (CE-232)	12-A-111-S2
EP-233	EU-233	Pre-Finished Product Line ½ Auto Coating Booth #233	4 HVLP spray guns, each at 6.5 gal/hour	Dry Filters (CE-233)	12-A-112-S2
EP-234	EU-234	Pre-Finished Product Line ½ Auto Coating Booth #234	4 HVLP spray guns, each at 6.5 gal/hour	Dry Filters (CE-234)	12-A-113-S2
EP-235	EU-235	Pre-Finished Product Line ½ Auto Coating Booth #235	4 HVLP spray guns, each at 6.5 gal/hour	Dry Filters (CE-235)	12-A-114-S2
EP-241	EU-241	Pre-Finished Product Line Stain/Sealer Coating Booth	1 spray gun at 6.5 gal/hour	Dry Filters (CE-241)	19-A-693
EP-242	EU-242	Pre-Finished Product Line Topcoat Coating Booth	1 spray gun at 6.5 gal/hour	Dry Filters (CE-242)	19-A-694
EP-247	EU-247	Pre-Finished Product Line Coating Booth #247	4 HVLP spray guns, each at 6.5 gal/hour	Dry Filters (CE-247)	21-A-109
EP-249	EU-249	Pre-Finished Product Line Coating Booth #249	4 HVLP spray guns, each at 6.5 gal/hour	Dry Filters (CE-249)	22-A-088

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 Coating Booths-2

Emission Point	Opacity	Particulate Matter (PM_{10})	Particulate Matter (PM)	Volatile Organic Compounds (VOC)	Organic HAP
EP-121, EP-123, EP-125, EP-147, EP-228	40% (1) (2)		0.07 lb/hr (6), 0.01 gr/dscf (3)	39.4 tons/yr (6)	1.93 pounds organic HAP/gallon coating solids (Doors, windows, and miscellaneous) (4)(5)
EP-130, EP-132, EP-134, EP-136, EP-137, EP-144, EP-145, EP-146, EP-155, EP-156, EP-176, EP-181, EP-182, EP-195, EP-232, EP-233, EP-234, EP-235			0.05 lb/hr (6), 0.01 gr/dscf (3)		
EP-177			0.08 lb/hr (6), 0.01 gr/dscf (3)		
EP-241, EP-242			0.11 lb/hr (6), 0.01 gr/dscf (3)		
EP-247			0.05 lb/hr (6), 0.01 gr/dscf (3)		
EP-249		0.05 lb/hr (6)	0.05 lb/hr (6), 0.01 gr/dscf (3)		

(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 23.2(4)13
(4) Authority for Requirement: 40 CFR §63.4690(b) and Table 2 of Subpart QQQQ
(5) Authority for Requirement: 567 IAC 23.1(4)"cq"
(6) Authority for Requirement: DNR Construction Permits listed in Table Coating Booths-1

National Emission Standards for Hazardous Air Pollutants (NESHAP):
The following subparts apply to the Pre-Finished Product Line Coating Booths:

Emission Point	Subpart	Title	Type	State Reference (567 IAC)	Federal Reference (40 CFR)
EP-121, EP-123, EP-125, EP-147, EP-228, EP-130, EP-132, EP-136, EP-137, EP-144, EP-145, EP-146, EP-155, EP-156, EP-176, EP-181, EP-182, EP-195, EP-134, EP-232, EP-233, EP-234, EP-235, EP-177, EP-241, EP-242, EP-247, EP-249	A	General Provisions	NA	23.1(4)	§63.1 – §63.15
	QQQQ	NESHAP for Surface Coating of Wood Building Products	existing doors, windows, and miscellaneous	23.1(4)"cq"	§63.4680 – §63.4781

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

Equipment Operation and Recordkeeping Requirements

A. The owner or operator shall maintain the following daily records:
    1. The identification and VOC content, in pounds per gallon, of any material used in the operation of the Pre-Finished Product Line.
        a. The owner or operator shall maintain on-site manufacturer and vendor provided information (Safety Data Sheets, technical data sheets, etc.) for all VOC-containing material used in the operation of the Pre-Finished Product Line.
    2. The amount, in gallons, of each VOC-containing material used in the operation of the Pre-Finished Product Line. For purposes of calculating VOC emissions, all VOC may be considered emitted on the day the materials are delivered to the facility or production line.
B. The owner or operator shall maintain the following monthly records:
    1. Total amount, in gallons, of each VOC-containing material used in the operation of the Pre-Finished Product Line.
    2. The total amount, in tons, of VOC emitted from the operation of the Pre-Finished

Product Line that month.

3. The 12-month rolling total amount of all VOC emitted from the operation of the Pre-Finished Product Line.

C. The owner or operator shall operate, inspect, and maintain the dry filters associated with each coating booth in the Pre-Finished Product Line according to the manufacturer's specifications and instructions.

1. The owner or operator shall keep a log of all maintenance and inspection activities performed on the dry filters. At a minimum, this log shall include the following:

a. Any issues identified during inspection and maintenance activities;

b. The date each issue was resolved; and

c. Identification of the staff member performing the maintenance or inspection.

National Emission Standards for Hazardous Air Pollutants Requirements

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.

1. The owner or operator shall maintain the emission units described in Table Coating Booths-1 according to the provisions in 40 CFR §63.6(e)(1)(i) of Subpart A as per the compliance requirements in 40 CFR §63.4700 of Subpart QQQQ.

E. 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.

1. Per 40 CFR §63.4700(a)(2)(i) of Subpart QQQQ, the emission units in the Pre-Finished Product Line shall be in compliance with the emission limit in §63.4690(b) of Subpart QQQQ at all times, except during periods of startup, shut-down, and malfunction.

a. The owner or operator shall use at least one of the compliance options described in §63.4691 of Subpart QQQQ to determine whether the organic emission rate is equal to or less than the emission limit in §63.4690(b) of Subpart QQQQ.

i. If the owner or operator chooses to implement the "*Emission Rate with Add-on Controls Option*" as specified in §63.4691(c) of Subpart QQQQ, the owner or operator shall submit a request to the Department to amend the "*Collection of Air Permits*."

2. The owner or operator shall comply at all times with the applicable work practice standards outlined in 40 CFR §63.4693 of Subpart QQQQ.
3. The owner or operator shall comply with the applicable notifications, reporting, and recordkeeping requirements in 40 CFR §63.4710, §63.4720, and §63.4730 of Subpart QQQQ, respectively.

VOC Emission Limits Requirements

F. The owner or operator shall record the total amount, in tons, of VOC emitted from the operation of the coating booths described in this "*Collection of Air Permits*" on a monthly basis. For purposes of calculating VOC emissions, all VOC may be considered emitted on the day the materials are delivered to the facility or production line.
   1. VOC monthly emissions are calculated as follows:
      a. *VOC Monthly Emissions (tons/month)* = ∑ (Total gallons of each VOC-containing material allocated that month to the coating booths described in Table Coating Booths-1 * VOC content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

G. The owner or operator shall calculate and record the total amount, in tons, of VOC emitted from the operation of the coating booths described in Table Coating Booths-1on a rolling 12-month basis.

H. The owner or operator shall implement the following procedure if the 12-month rolling total amount of VOC emitted from the operation of the paint booths described in Table Coating Booths-1 exceeds 31.5 tons.
   1. The owner or operator shall record the total amount, in tons, of VOC emitted from the operation of the coating booths described in Table Coating Booths-1 on a daily basis. For purposes of calculating VOC emissions, all VOC may be considered emitted on the day the materials are delivered to the facility or production line.
   2. VOC daily emissions shall be determined as follows:
      a. *VOC Daily Emissions (tons/day)* = ∑ (Total gallons of each VOC-containing material allocated each day to the coating booths described in Table Coating Booths-1) * (VOC content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]
   3. The owner or operator shall calculate and record the total amount, in tons, of VOC emitted from the operation of the paint booths described in Table Coating Booths-1 on a rolling 365-day basis.
   4. Calculation and recordkeeping of VOC emissions from data collected on Saturdays and Sundays shall be conducted on Mondays.
   5. Calculation and recordkeeping of VOC emissions shall not be required when emissions do not occur.
   6. VOC daily emissions calculations and recordkeeping as specified here shall continue until the rolling 12-month total drops below 31.5 tons on the last day of the following month, at which time, rolling VOC daily emissions calculations shall cease.

7. Should the facility (Plant Number 63-02-003) choose to take credit for waste shipped off-site, the owner or operator shall record the date 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 the waste is shipped off-site.

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

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

Table Coating Booths-3

Emission Point	Stack Height (feet, from the ground)	Discharge Style	Stack Outlet Dimension (inches)	Exhaust Temperature (°F)	Exhaust Flowrate (scfm)
EP-121	32.5	Vertical, unobstructed	34	68	7,300
EP-123	32.5	Vertical, unobstructed	34	68	7,300
EP-125	33.5	Vertical, unobstructed	34	68	7,300
EP-130	40	Vertical, unobstructed	14	68	1,200
EP-132	40	Vertical, unobstructed	14	68	1,200
EP-134	34.5	Vertical, unobstructed	14	68	1,200
EP-136	32	Vertical, unobstructed	14	68	1,200
EP-137	32	Vertical, unobstructed	14	68	1,200
EP-144	35	Vertical, unobstructed	14	68	1,200
EP-145	35	Vertical, unobstructed	18	68	1,200
EP-146	37.5	Vertical, unobstructed	18	68	1,200
EP-147	32	Vertical, unobstructed	34	68	7,300

EP-155	32	Vertical, unobstructed	14	68	1,200
EP-156	32	Vertical, unobstructed	14	68	1,200
EP-176	31	Vertical, unobstructed	14	68	1,200
EP-177	32	Vertical, unobstructed	14	68	1,800
EP-181	37.5	Vertical, unobstructed	14	68	1,200
EP-182	37.5	Vertical, unobstructed	14	68	1,200
EP-195	37.5	Vertical, unobstructed	14	68	1,200
EP-228	32	Vertical, unobstructed	36	68	7,300
EP-232	31	Vertical, unobstructed	14	68	1,200
EP-233	31	Vertical, unobstructed	14	68	1,200
EP-234	31	Vertical, unobstructed	14	68	1,200
EP-235	31	Vertical, unobstructed	14	68	1,200
EP-241	33	Vertical, unobstructed	34	68	9,600
EP-242	33	Vertical, unobstructed	34	68	9,600
EP-247	32	Vertical, unobstructed	16	68	3,000
EP-249	32	Vertical, unobstructed	16	68	3,000

Authority for Requirement: DNR Construction Permits listed in Table Coating Booths-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.

Agency Approved Operation & Maintenance Plan Required? **Yes** ☒ **No** ☐
(Required for each Dry Filter System identified in Table Coating Booths-1)

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: Vertical Line Bake and Dry-off Ovens

Associated Equipment

Table Vertical Line Drying Ovens-1

Emission Point	Emission Unit	Emission Unit Description	Maximum Design Capacity	Control Equipment	Construction Permit
EP-40	EU-40	Vertical Line Pretreatment Dry-off Oven	3.68 MMBtu/hr, Natural gas	None	92-A-588-S8
EP-41	EU-41	Vertical Line Primer Bake Oven	6.30 MMBtu/hr, Natural gas	None	92-A-589-S8
EP-42	EU-42	Vertical Line Top Coat Bake Oven	6.30 MMBtu/hr, Natural gas	None	92-A-590-S8

Applicable Requirements

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

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

Table Vertical Line Drying Ovens-2

Emission Point	Opacity	Particulate Matter (PM_{10})	Particulate Matter (PM)	Sulfur Dioxide (SO_2)	Volatile Organic Compounds (VOC)	Organic HAP
EP-40	40% (1) (2)	0.03 lb/hr (7)	0.1 gr/dscf (3)	500 ppm_v (4)	0.40 tons/yr (7)	2.6 pounds organic HAP/gallon coating solids (for each existing general use surface coating operation) (5)(6)
EP-41, EP-42		0.06 lb/hr (7)				

(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)"a"
(4) Authority for Requirement: 567 IAC 23.3(3)"e"
(5) Authority for Requirement: 40 CFR §63.3891 of Subpart MMMM
(6) Authority for Requirement: 567 IAC 23.1(4)"cm"
(7) Authority for Requirement: DNR Construction Permits listed in Table Vertical Line Drying Ovens-1

National Emission Standards for Hazardous Air Pollutants (NESHAP):
The following subparts apply to the emission unit(s) in these permits:

Emission Unit	Subpart	Title	Type	State Reference (567 IAC)	Federal Reference (40 CFR)
EU-40, EU-41, EU-42	A	General Provisions	NA	23.1(4)	§63.1 – §63.15
	MMMM	NESHAP for Surface Coating of Miscellaneous Metal Parts and Products	existing general use surface coating operation	23.1(4)"cm"	§63.3880 – §63.3981

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

Equipment Operation and VOC Limit Requirements

A. To comply with the combined VOC limit in Condition 1b, the owner or operator shall only combust natural gas in the ovens described in Table Vertical Line Drying Ovens-1.
    1. The owner or operator shall maintain monthly fuel purchase records to identify the type of fuel used by the ovens described in Table Vertical Line Drying Ovens-1.

National Emission Standards for Hazardous Air Pollutants Requirements

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 2 to Subpart MMMM of Part 63.
    1. The owner or operator shall maintain the ovens described in Table Vertical Line Drying Ovens-1 according to the provisions in 40 CFR §63.6(e)(1)(i) of Subpart A as per the compliance requirements in 40 CFR §63.3900(b) of Subpart MMMM.

C. 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.
    1. The owner or operator shall comply at all times with the applicable work practice standards outlined in 40 CFR §63.3893 of Subpart MMMM.
    2. The owner or operator shall comply with the applicable notifications, reporting, and recordkeeping requirements in 40 CFR §63.3910, §63.3920, and §63.3930 of Subpart MMMM, respectively.

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

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

Table Vertical Line Drying Ovens-5

Emission Point	Stack Height (feet, from the ground)	Discharge Style	Stack Outlet Dimension (inches)	Exhaust Temperature (°F)	Exhaust Flowrate (scfm)
EP-40	57	Vertical, obstructed	12 x 17	350	500
EP-41	53	Vertical, obstructed	18 x 27.5	350	1,000
EP-42	53	Vertical, obstructed	18 x 27.5	350	1,000

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

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: Oxidizer-Controlled Wood Treat Systems & Horizontal Line Paint System

Associated Equipment

Table Oxidizer-Controlled Wood Treat Systems-1

Emission Point	Emission Unit	Emission Unit Description	Maximum Design Capacity	Control Equipment	Construction Permit
EP-RTO	EU-58	Wood Dip-Dry: Door 1	8 gallons/hour	Regenerative Thermal Oxidizer #1 (CE-RTO) 4.44 million Btu/hour, natural gas	19-A-709-P1
	EU-89	Wood Dip-Dry: Door 2	5 gallons/hour		
	EU-169	Wood Dip-Dry: Door 3	7 gallons/hour		
	EU-240	Inline Wood Treat System	14.5 gallons/hour		
EP-245 (by-pass)	EU-58	Wood Dip-Dry: Door 1	8 gallons/hour	None	19-A-710-P2
	EU-89	Wood Dip-Dry: Door 2	5 gallons/hour		
	EU-169	Wood Dip-Dry: Door 3	7 gallons/hour		
	EU-240	Inline Wood Treat System	14.5 gallons/hour		
EP-DRY	EU-DRY	Treated-Wood Drying Process	NA	None	19-A-711-P1

Table Horizontal Line Paint System-1

Emission Point	Emission Unit	Emission Unit Description	Maximum Design Capacity	Control Equipment	Construction Permit
EP-35	EU-35	Horizontal Line Paint Booth #1	2 electrostatic rotary bells each at 7.9 gal/hour	Dry Filters (CE-35)	92-A-606-S15
EP-RTO	EU-37	Horizontal Line Paint Booth #2	2 electrostatic rotary bells, each at 5 gal/hour;	Dry Filters (CE-37) RTO #1 (CE-RTO) 4.44 million Btu/hr, natural gas	19-A-709-P1
	EU-38	Horizontal Line Paint Booth #3	2 electrostatic rotary bells, each at 5 gal/hour;	Dry Filters (CE-38) RTO #1 (CE-RTO) 4.44 million Btu/hr, natural gas	
	EU-48	Horizontal Line Top Coat Bake Oven	4.73 MMBtu/hour, natural gas	RTO #1 (CE-RTO) 4.44 million Btu/hr, natural gas	
EP-37 (by-pass)	EU-37	Horizontal Line Paint Booth #2	2 electrostatic rotary bells, each at 5 gal/hour;	Dry Filters (CE-37)	92-A-644-S16
EP-38 (by-pass)	EU-38	Horizontal Line Paint Booth #3	2 electrostatic rotary bells, each at 5 gal/hour;	Dry Filters (CE-38)	92-A-608-S16
EP-47	EU-47	Horizontal Line Pretreatment Dry-Off Oven	4.73 MMBtu/hour, natural gas	None	92-A-592-S8
EP-48 (by-pass)	EU-48	Horizontal Line Top Coat Bake Oven	4.73 MMBtu/hour, natural gas	None	92-A-593-S9
EP-68A	EU-68	Horizontal Line Manual Touch-Up Paint Booth	1 HVLP spray gun at 7.5 gal/hour	Dry Filters (CE-68A)	92-A-645-S15
EP-68B	EU-68	Horizontal Line Manual Touch-Up Paint Booth	1 HVLP spray gun at 7.5 gal/hour	Dry Filters (CE-68B)	02-A-910-S10
EP-110	EU-110	Horizontal Line Paint Booth #4	2 electrostatic rotary bells each at 7.9 gal/hour	Dry Filters (CE-110)	02-A-911-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 Oxidizer-Controlled Wood Treat Systems and Horizontal Line Paint System -1

Emission Point	Opacity	Particulate Matter (PM_{10})	Particulate Matter (PM)	Sulfur Dioxide (SO_2)	Volatile Organic Compounds (VOC)	Organic HAP
EP-35, EP-110	40%[(1) (2)]		0.03 lb/hr [(8)], 0.01 gr/dscf [(3)]		60.0 tons/yr[(9), (10)]	As specified in §63.3890(b)(1) through (5) of Subpart MMMM, except as specified in §63.3890(c) of Subpart MMMM, determined according to the requirements in §63.3941, §63.3951, or §63.3961 [(6)(7)]
EP-37 (by-pass), EP-38 (by-pass), EP-68A, EP-68B	40%[(1) (2)]		0.06 lb/hr [(8)], 0.01 gr/dscf [(3)]			
EP-47, EP-48 (by-pass)	40%[(1) (2)]	0.04 lb/hr [(9)]	0.04 lb/hr [(8)], 0.1 gr/dscf [(4)]	500 ppm_v[(5)]		
EP-RTO (Paint System)	40%[(1) (2)]		1.44 lb/hr [(8) (9)], 0.01 gr/dscf [(3)]	500 ppm_v[(5)]		
EP-RTO (Wood Treat System)					99.31 tons/yr [(8),(11)]	
EP-245 (by-pass)	40%[(1) (2)]		0.28 lb/hr [(8)], 0.01 gr/dscf [(3)]			
EP-DRY						
EP-RTO					98 weight % reduction[(8)]	

(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 23.4(13)
(4) Authority for Requirement: 567 IAC23.3(2)"a"(1)
(5) Authority for Requirement: 567 IAC 23.3(3)"e"
(6) Authority for Requirement: 40 CFR §63.3890(b) of Subpart MMMM
(7) Authority for Requirement: 567 IAC 23.1(4)"cm"
(8) Authority for Requirement: DNR Construction Permits listed in Table Oxidizer-Controlled Wood Treat Systems-1
(9) Authority for Requirement: DNR Construction Permits listed in Table Horizontal Line Paint System-1
(10) This limit does not include VOC emissions from the combustion of natural gas by the Horizontal Line Top Coat Bake Oven (EP-48), or by the Horizontal Line Pretreatment Dry-Off Oven (EP-47), or by the RTO.
(11) This limit does not include VOC emissions from the combustion of natural gas by the Regenerative Thermal Oxidizer #1 (CE-RTO).

National Emission Standards for Hazardous Air Pollutants (NESHAP):

The following subparts apply to the *Horizontal Line Paint System*:

Emission Point	Subpart	Title	Type	State Reference (567 IAC)	Federal Reference (40 CFR)
EP-RTO, EP-35, EP-37, EP-38, EP-47, EP-48, EP-68A, EP-68B, EP-110	A	General Provisions	NA	23.1(4)	§63.1 – §63.15
	MMMM	NESHAP for Surface Coating of Miscellaneous Metal Parts and Products	existing affected source	23.1(4)"*cm*"	§63.3880 – §63.3981

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

Operating Requirements and Associated Recordkeeping: *Oxidizer-Controlled Wood Treat Systems & Horizontal Line Paint System*
General Requirements

A. Except as described in Condition 5a.A.1 below, the owner or operator shall operate the Regenerative Thermal Oxidizer #1 (CE-RTO) whenever any of the emission units controlled by it (i.e., Emission Unit 37, 38, 48, 58, 89, 169, or 240) is in operation.

    1. During periods of startup, malfunction, or maintenance of the RTO, the owner or operator shall route the gaseous streams as follows:

        i. Emissions from Emission Units 37, 38, and 48 shall be directed to By-Pass Stacks 37, 38, and 48, respectively.

        ii. Emissions from Emission Units 58, 89, 169, and 240 shall be directed to By-Pass Stack 245.

B. The RTO shall combust only natural gas, propane, and/or process off-gases.

C. The owner or operator shall maintain an RTO combustion chamber temperature at no less than 1,500 degrees Fahrenheit, based on a 3-hour block average. This requirement shall not apply on any day(s) that the RTO and the emission units controlled by it (i.e., Emission Units 37, 38, 48, 58, 89, 169, and 240) are not in operation.

1. The owner or operator shall install, operate, and maintain equipment necessary to monitor the temperature of the RTO continuously. This equipment shall be installed, operated, and maintained in accordance with the manufacturer's specifications.

2. The owner or operator shall collect and record the RTO combustion chamber temperature (in degrees Fahrenheit) at least once every 15 minutes and calculate and record the 3-hour block average. Each 3-hour block average combustion chamber temperature shall be calculated using all data points collected during the averaging period.

3. If any of the RTO combustion chamber temperature 3-hour block averages falls below 1,500 degrees Fahrenheit, the owner or operator shall record the time, date, and actions taken to correct the situation and shall record when the RTO 3-hour block average combustion chamber temperature is back at or above the minimum required value.

D. The owner or operator shall inspect and maintain the RTO according to the manufacturer's specifications.

1. The owner or operator shall keep a log of all inspection and maintenance activities performed on the control equipment. At a minimum, this log shall include:

i. The date that any inspection and/or maintenance activities was performed on the control equipment;

ii. Any issues identified during any inspection and maintenance activities and the date each issue was resolved;

iii. Any actions taken to correct any RTO operating temperature malfunctions; and

iv. Identification of the staff member performing the maintenance or inspection.

E. The owner or operator shall conduct stack testing on EP-RTO while Emission Units 37, 38, 48, 58, 89, 169, and 240 are operating simultaneously and all affected equipment is operating in a worst-case scenario, e.g., highest production rate, highest exhaust flow rate, etc. to demonstrate compliance with the minimum VOC weight-percent reduction of 98%.

1. The owner or operator shall conduct stack testing on EP-RTO with the frequency established in the "Stack Testing" section.

2. The owner or operator shall maintain on-site copy of the most recent stack test report

that demonstrated compliance with the minimum VOC weight-percent reduction limit of 98%. At a minimum, this report shall include:

i. The RTO inlet VOC emissions, in pounds/hour, observed during testing;

ii. The RTO outlet VOC emissions, in pounds/hour, observed during testing; and

iii. The RTO VOC weight percent reduction (%), determined using the testing data.

F. The owner or operator may take credit for VOC-containing waste materials shipped off-site. The credit may be subtracted from the VOC rolling totals in the month the waste is shipped off-site.

1. The following records shall be maintained for each waste material shipment that the owner uses to take VOC credit:

i. The date and amount of waste material shipped off-site.

ii. The methodology used to determine the amount of waste materials.

iii. The amount of VOC in the waste materials.

iv. The methodology used to determine the amount of VOC in the waste materials.

1. At a minimum, this methodology shall include the sources for all data used in the determination, methods used to generate the data, frequency of testing or monitoring, and supporting calculations and documentation.

Operating Requirements and Associated Recordkeeping: *Oxidizer-Controlled Wood Treat Systems*

General Requirements

A. The owner or operator shall maintain records on the identification and VOC content, in pounds per gallon, of each material used in the operation of the oxidizer-controlled wood treat systems.

B. The owner or operator shall not use HAP-containing materials in the operation of the oxidizer-controlled wood treat systems.

C. The owner or operator shall maintain on-site manufacturer and vendor provided information (Safety Data Sheets, technical data sheets, etc.) for all materials used in the operation of the oxidizer-controlled wood treat systems.

D. The owner or operator shall equip By-Pass Stack 245 with a device that will record the number of hours that this by-pass stack exhausts emissions to the atmosphere.

E. The owner or operator shall maintain daily records of the total gallons of each VOC-containing material used in the operation of the oxidizer-controlled wood treat systems during the operation of the RTO and while in by-pass operation. For purposes of calculating daily VOC emissions, all VOC may be considered emitted on the day materials are delivered to the facility or production line.

F. The owner or operator shall maintain monthly records of the total gallons of each VOC-containing material used in the operation of the oxidizer-controlled wood treat systems during the operation of the RTO and while in by-pass operation. For purposes of calculating daily VOC emissions, all VOC may be considered emitted on the day materials are delivered to the facility or production line.

G. The owner or operator shall develop a written plan describing Best Management Practices (BMP) and any associated monitoring and recordkeeping activities to minimize uncaptured emissions from the Treated-Wood Drying Process (EU-DRY). Such practices may include, but are not limited to:

    1. Utilizing materials with a VOC content equal to or less than that of mineral spirits.

H. The written plan required in Permit Condition G above and any documentation as required by the plan shall be maintained onsite and available to Department personnel upon request.

I. The oxidizer-controlled wood treat systems shall be operated under negative pressure to ensure 100 percent of emissions are captured. This requirement only applies to the wood treatment application stage.

    1. The owner or operator shall maintain on-site the most recent test on the emissions capture system that demonstrated 100 capture efficiency.

J. The owner or operator shall conduct a study on at least one wood treatment unit once every three calendar years to determine the amount of VOC allocated to each of the following stages:

    1. Wood Treatment Application (Stage 1). The percentage of the total VOC weight content in the wood treatment materials that is released into the capture system while wood treatment materials are applied to wood parts.

    2. Treated Wood Drying Process (Stage 2). The percentage of the total VOC weight content in the wood treatment materials that is released into the building as uncaptured emissions while treated wood parts are allowed to dry.

3. Treated Wood Shipment (Stage 3). The percentage of the total VOC weight content in the wood treatment materials that is retained in the product shipped off-site.

K. The owner or operator shall maintain on-site the most recent VOC allocation study results, including, at a minimum the following:

1. Amount of VOC added to wood parts for treatment;

2. Amount of VOC in wet wood parts after treatment;

3. Amount of VOC in dried wood parts;

4. Amount of VOC released during wood treatment application (Stage 1);

5. Amount of VOC released during the treated-wood drying process (Stage 2); and

6. Amount of VOC retained in the product shipped off-site (Stage 3).

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L. VOC emissions from the oxidizer-controlled wood treat systems shall be determined using the emissions calculation procedures described in this permit condition. For purposes of these emissions calculations, the owner or operator shall:

1. Use the most recent VOC allocation study results (see Permit Conditions J and K above) to determine VOC emissions from the operation of the oxidizer-controlled wood treat systems.

2. Assume that 98% of the captured emissions released during wood treatment application (Stage 1) are destroyed by the RTO.

3. Not include VOC emissions from the combustion of natural gas by the RTO.

4. Use the following equation:

$VOC_{(OCWTS)} = VOC_{(Bypass245)} + VOC_{(RTO)}$

Where:

$VOC_{(OCWTS)}$ = Total tons of VOC emitted from the operation of the oxidizer-controlled wood treat systems (OCTWS) during the emissions calculation period

$VOC_{(Bypass245)}$ = [(Weight percent of VOC captured emissions released in Stage 1)/100) * (Total gallons of material used by the wood treat units while in by-pass

operation during the emission calculation period) * (VOC content, in pounds per gallon, in the material) * (1 ton/2000 pounds)] + [(Weight percent of VOC emissions released in Stage 2/100) * (Total gallons of material used by the wood treat units while in by-pass operation during the emission calculation period) * (VOC content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]
VOC $_{(RTO)}$ = [(Weight percent of VOC captured emissions released in Stage 1/100) * (Total gallons of material used by the wood treat units during the emission calculation period ***minus*** total gallons of material used by the wood treat units while in by-pass operation during the emission calculation period) * (VOC content, in pounds per gallon, in the material) * [1 – (98/100)] * (1 ton/2000 pounds)] + [(Weight percent of VOC emissions released in Stage 2/100) * (Total gallons of material used by the wood treat units during the emission calculation period ***minus*** total gallons of material used by the wood treat units while in by-pass operation during the emission calculation period) * (VOC content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

M. The owner or operator shall record the total monthly amount, in tons, of VOC emitted by the oxidizer-controlled wood treat systems using the emission calculation procedures in Permit Condition L above.

N. The owner or operator shall implement the following procedure if the 12-month rolling total amount of VOC emitted during the operation of the oxidizer-controlled wood treat systems exceeds 79.5 tons.

1. The owner or operator shall record the total daily amount, in tons, of VOC emitted by the oxidizer-controlled wood treat systems. The owner or operator shall calculate total daily VOC emissions using the emissions calculation procedures in Permit Condition L above.

    a. The owner or operator shall calculate and record the total amount, in tons, of VOC emitted by the oxidizer-controlled wood treat systems on a rolling 365-day basis.

    b. Calculation and recordkeeping of VOC emissions from data collected on Saturdays and Sundays shall be conducted on Mondays.

    c. Calculation and recordkeeping of VOC emissions shall not be required when emissions do not occur.

    d. Daily VOC emissions calculations and recordkeeping as specified here shall continue until the rolling 12-month total drops below 79.5 tons on the last day of the following month, at which time, rolling daily VOC emissions calculations shall cease.

Operating Requirements and Associated Recordkeeping: *Horizontal Line Paint System*

National Emission Standards for Hazardous Air Pollutants Requirements

A. 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.

1. The owner or operator shall maintain the paint booths described in Table Horizontal Line Paint System-1 according to the provisions in 40 CFR §63.6(e)(1)(i) of Subpart A as per the compliance requirements in 40 CFR §63.3900(b) of Subpart MMMM.

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.

1. Per 40 CFR §63.3900(a)(2)(i) of Subpart MMMM, the emission units in the "*Horizontal Line Paint System*" shall be in compliance with the applicable emission limit in §63.3890(b) of Subpart MMMM at all times, except during periods of startup, shut-down, and malfunction.

    a. When emissions from EU-37, EU-38, and EU-48 are controlled by the RTO, the owner or operator shall use at least one of the compliance options described in §63.3891 of Subpart MMMM to determine whether the organic emission rate is equal to or less that the applicable emission limit in §63.3890(b) of Subpart MMMM.

    b. During the operation of Emission Units 35, 47, 68, and 110 and during the uncontrolled operation of Emission Units 37, 38, and 48, the owner or operator shall use the "*Compliant Material Option*" [§63.3891(a) of Subpart MMMM] and/or the "*Emission Rate without Add-on Controls*" [§63.3891(a) of Subpart MMMM] to determine whether the organic emission rate is equal to or less than the applicable emission limit in §63.3890(b) of Subpart MMMM.

        i. If the owner or operator chooses to implement the "*Emission Rate with Add-on Controls Option*" in §63.3891(c) of Subpart MMMM during the operation of Emission Units 35, 47, 68, and 110, the owner or operator shall submit a request to the Department to amend the "*Collection of Air Permits*" associated with this equipment.

2. The owner or operator shall comply at all times with the applicable work practice standards outlined in 40 CFR §63.3893 of Subpart MMMM.

3. The owner or operator shall comply with the applicable notifications, reporting, and recordkeeping requirements in 40 CFR §63.3910, §63.3920, and §63.3930 of Subpart MMMM, respectively.

General Requirements

C. The owner or operator shall only combust natural gas in the Horizontal Line Pretreatment Dry-Off Oven (EU-47) and in the Horizontal Line Top Coat Bake Oven (EU-48).

D. The owner or operator shall maintain records on the identification and VOC content, in pounds per gallon, of each material used in the operation of the units in the *Horizontal Line Paint System*.

E. The owner or operator shall maintain on-site manufacturer and vendor provided information (Safety Data Sheets, technical data sheets, etc.) for all materials used in the operation of the units in the *Horizontal Line Paint System*.

F. The owner or operator shall equip By-Pass Stacks 37, 38, and 48 with a common device that will record the number of hours that these by-pass stacks exhaust emissions to the atmosphere.

G. The owner or operator shall maintain the daily records of the total gallons of each VOC-containing material used in the operation of Emission Units 35, 37, 38, 68, and 110 during all operation scenarios, i.e., operation of the RTO and while in by-pass operation for Emission Units 37 and 38 and during uncontrolled operation for Emission Units 35, 68, and 110. For purposes of calculating VOC emissions, all VOC may be considered emitted on the day the materials are delivered to the facility or production line.

H. The owner or operator shall maintain the monthly records of the total gallons of each VOC-containing material used in the operation of Emission Units 35, 37, 38, 68, and 110 during all operation scenarios, i.e., operation of the RTO and while in by-pass operation for Emission Units 37 and 38 and during uncontrolled operation for Emission Units 35, 68, and 110. For purposes of calculating VOC emissions, all VOC may be considered emitted on the day the materials are delivered to the facility or production line.

I. The owner or operator shall operate, inspect, and maintain the dry filters associated with Emission Units 35, 37, 38, 68, and 110 according to the manufacturer's specifications and instructions.

    1. The owner or operator shall keep a log of all maintenance and inspection activities performed on the control equipment. At a minimum, this log shall include any issues identified during inspection and maintenance activities and the date each issue was resolved.

VOC Emission Limits Requirements

J. VOC emissions from the operation of Emission Units 35, 37, 38, 68, and 110 shall be determined using the emissions calculation procedures described in this permit condition. For purposes of these emissions calculations, the owner or operator shall:

1. Use 98% as the RTO destruction efficiency when calculating VOC emissions from Emission Units 37 and 38.

2. Assume that VOC emissions from paint curing are accounted for in the emissions from Emission Units 35, 37, 38, 68, and 110.

3. Not include VOC emissions from the combustion of natural gas by the Horizontal Line Top Coat Bake Oven (EU-48), or by the Horizontal Line Pretreatment Dry-Off Oven (EU-47), or by the RTO.

4. Use the following equation:

$VOC_{(PS)} = VOC_{(Bypass)} + VOC_{(RTO)} + VOC_{(Uncontrolled)}$

Where:

$VOC_{(PS)}$ = Total tons of VOC emitted from the combined operation of Emission Units 35, 37, 38, 68, and 110 during the emissions calculation period

$VOC_{(Bypass)}$ = [(Total gallons of material used by Emission Units 37 and 38, combined while in by-pass operation during the emissions calculation period) * (VOC content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

$VOC_{(RTO)}$ = [(Total gallons of material used by Emission Units 37 and 38, combined during the emissions calculation period ***minus*** total gallons of material used by Emission Units 37 and 38, combined while in by-pass operation during the emissions calculation period) * (VOC content, in pounds per gallon, in the material) * [1 – (98/100)] * (1 ton/2000 pounds)]

$VOC_{(Uncontrolled)}$ = [(Total gallons of material used by Emission Units 35, 68, and 110, combined during the emissions calculation period) * (VOC content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

K. The owner or operator shall record the total monthly amount, in tons, of VOC emitted by the combined operation of Emission Units 35, 37, 38, 68, and 110 using the emissions calculation procedures in Permit Condition J above.

L. The owner or operator shall calculate and record the total amount, in tons, of VOC emitted by the combined operation of Emission Units 35, 37, 38, 68, and 110 on a rolling 12-month basis.

M. The owner or operator implement the following procedure if the 12-month rolling total amount of VOC emitted from the combined operation of Emission Units 35, 37, 38, 48, 68, and 110 exceeds 48 tons.

1. The owner or operator shall record the total daily amount, in tons, of VOC emitted from the combined operation of Emission Units 35, 37, 38, 48, 68, and 110. The owner or operator shall calculate total daily VOC emissions using the emissions calculation procedures in Permit Condition J above.

    a. The owner or operator shall calculate and record the total amount, in tons, of VOC emitted by the operation of the oxidizer-controlled wood treat systems on a rolling 365-day basis.

    b. Calculation and recordkeeping of VOC emissions from data collected on Saturdays and Sundays shall be conducted on Mondays.

    c. Calculation and recordkeeping of VOC emissions shall not be required when emissions do not occur.

    d. Daily VOC emissions calculations and recordkeeping as specified here shall continue until the rolling 12-month total drops below 48 tons on the last day of the following month, at which time, rolling daily VOC emissions calculations shall cease.

Authority for Requirement: DNR Construction Permits listed in Table Oxidizer-Controlled Wood Treat Systems and Horizontal Line Paint System -1
40 CFR Part 63 Subpart MMMM

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

Table Oxidizer-Controlled Wood Treat Systems and Horizontal Line Paint System -1

Emission Point	Stack Height (feet, from the ground)	Discharge Style	Stack Outlet Dimension (inches)	Exhaust Temperature (°F)	Exhaust Flowrate (scfm)
EP-35	39	Vertical, unobstructed	18	68	4,000
EP-RTO	40	Vertical, unobstructed	46	190	20,000
EP-37	39	Vertical, unobstructed	18	68	4,000
EP-38	39	Vertical, unobstructed	18	68	4,000
EP-47	37	Vertical, obstructed	11.5 x 17	350	650
EP-48	46	Vertical, obstructed	18.5	350	650
EP-68A	54	Vertical, unobstructed	30	68	7,500
EP-68B	42	Vertical, unobstructed	30	68	7,500
EP-110	39	Vertical, unobstructed	18	68	4,000
EP-245	32	Vertical, unobstructed	32	68	7,000
EP-DRY	A physical stack is not associated with the Treated-Wood Drying Process (EU-DRY) at Plant Number 63-02-003. Emissions from EU-DRY are generated by drying treated wood parts inside the building at ambient temperature, and, therefore, are considered uncaptured.				

Authority for Requirement: DNR Construction Permits listed in Table Oxidizer-Controlled Wood Treat Systems and Horizontal Line Paint 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:

Pollutant - VOC

Stack Test to be Completed: Once per Calendar Year[(1), (2), (3),(4)]

Test Method - 40 CFR 63, Appendix A, Method 320 or
40 CFR 60, Appendix A, Method 18[(5)]

Authority for Requirement: DNR Construction Permits listed in Table Oxidizer-Controlled Wood Treat Systems and Horizontal Line Paint System -1

(1) Most recent tested completed 6/6/23.

(2) VOC inlet and outlet emission rates for each test run shall be measured simultaneously at each required test.

(3) VOC annual testing to demonstrate compliance with the BACT limits in *Condition 1a* shall be conducted while Emission Units 37, 38, 48, 58, 89, 169, and 240 are operating simultaneously and all affected equipment is operating in a worst-case scenario, e.g., highest production rate, highest exhaust flow rate, etc.

(4) After three consecutive annual tests demonstrating compliance with the minimum VOC weight-percent reduction of 98% the owner or operator may *request* amendment of this permit to reduce the testing frequency.

(5) The owner or operator may elect to demonstrate RTO control efficiency using Test Method 40 CFR 60, Appendix A, Method 25A.

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

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

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

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

Operating Requirements and Associated Recordkeeping satisfy VOC CAM requirements. No CAM plan required.

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.

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 (PM_{10})
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.

National Emission Standards for Hazardous Air Pollutants (NESHAP):
The following subparts apply to the emission point.

Emission Point	Subpart	Title	Type	State Reference (567 IAC)	Federal Reference (40 CFR)
EP-3	A	General Provisions	NA	23.1(4)	§63.1 – §63.15
	QQQQ	NESHAP for Surface Coating of Wood Building Products	existing affected source	23.1(4)"cq"	§63.4680 – §63.4781

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

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

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
40 CFR 63 Subpart QQQQ
23.1(4)"cq"

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 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 (PM_{10})
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)

National Emission Standards for Hazardous Air Pollutants (NESHAP):
The following subparts apply to the emission point.

Emission Point	Subpart	Title	Type	State Reference (567 IAC)	Federal Reference (40 CFR)
EP-8	A	General Provisions	NA	23.1(4)	§63.1 – §63.15
	MMMM	NESHAP for Surface Coating of Miscellaneous Metal Parts and Products	existing affected source	23.1(4)"*cm*"	§63.3880 – §63.3981

Operating Requirements with Associated Monitoring and Recordkeeping

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

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

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

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 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 Filters

Emission Unit vented through this Emission Point: EU-52
Emission Unit Description: Paint Spray Booth - Maintenance Paint Booth
Raw Material/Fuel: Paint
Rated Capacity: 1 spray gun at 6.7 gal/hr, 1 spray gun at 32.4 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-S4
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_{10})
Emission Limit(s): 1.71 lb/hr
Authority for Requirement: DNR Construction Permit 04-A-437-S4

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.01 gr/dscf
Authority for Requirement: DNR Construction Permit 04-A-437-S4
567 IAC 23.4(13)

Operating Requirements with Associated Monitoring and Recordkeeping

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

Equipment Operation and Material Usage Requirements

A. The owner or operator shall operate, inspect, and maintain the dry filters associated with the Maintenance Paint Booth (EU-52) according to the manufacturer's specifications and instructions.
    1. The owner or operator shall keep a log of all maintenance and inspection activities performed on the dry filters. At a minimum, this log shall include the following:
        a. Any issues identified during inspection and maintenance activities;
        b. The date each issue was resolved; and
        c. Identification of the staff member performing the maintenance or inspection.

B. The VOC content of the material used at the Maintenance Paint Booth (EU-52) shall not exceed 8.0 pounds per gallon.
    1. The owner or operator shall maintain on-site manufacturer and vendor provided information (Safety Data Sheets, technical data sheets, etc.) for all VOC-containing materials used in the operation of the Maintenance Paint Booth (EU-52).

C. The total material usage at the Maintenance Paint Booth (EU-52) shall not exceed 2,220 gallons per 12-month rolling period.
    1. The owner or operator shall record the amount, in gallons, of all material used at the Maintenance Paint Booth (EU-52) on a monthly basis.
    2. The owner or operator shall calculate and record the amount, in gallons, of all material used at the Maintenance Paint Booth (EU-52) on a rolling 12-month basis.

Authority for Requirement: DNR Construction Permit 04-A-437-S4

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): 68
Discharge Style: Vertical, Unobstructed
Authority for Requirement: DNR Construction Permit 04-A-437-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 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: Hardware and Vertical Line Paint Booths

Associated Equipment

Table Hardware and Vertical Line Paint Booths -1

Emission Point	Emission Unit	Emission Unit Description	Maximum Design Capacity	Control Equipment	Construction Permit
EP-29	EU-29	Hardware Paint Booth	1 HVLP gun at 7.5 gallons/hour	Dry Filters (CE-29)	92-A-596-S10
EP-31	EU-31	Vertical Line Paint Booth #1	1 spinning disc gun at 19 gallons/hour	Dry Filters (CE-31)	92-A-602-S9
EP-32	EU-32	Vertical Line Paint Booth #2	1 spinning disc gun at 19 gallons/hour	Dry Filters (CE-32)	92-A-603-S9
EP-33	EU-33	Vertical Line Paint Booth #3	1 spinning disc gun at 47.5 gallons/hour	Dry Filters (CE-33)	92-A-604-S10
EP-34	EU-34	Vertical Line Paint Booth #4	1 spinning disc gun at 19 gallons/hour	Dry Filters (CE-34)	92-A-605-S10

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 Hardware and Vertical Line Paint Booths -2

Emission Point	Opacity	Particulate Matter (PM_{10})	Particulate Matter (PM)	Volatile Organic Compounds (VOC)	Organic HAP
EP-29	40% (1) (2)	0.35 lb/hr (6)	0.35 lb/hr (6), 0.01 gr/dscf (3)	164.50 tons/yr (6)	2.6 pounds organic HAP/gallon coating solids (for each existing general use surface coating operation) (4)(5)
EP-31	40% (1) (2)	0.27 lb/hr (6)	0.27 lb/hr (6), 0.01 gr/dscf (3)		
EP-32	40% (1) (2)	0.27 lb/hr (6)	0.27 lb/hr (6), 0.01 gr/dscf (3)		
EP-33	40% (1) (2)	0.27 lb/hr (6)	0.27 lb/hr (6), 0.01 gr/dscf (3)		
EP-34	40% (1) (2)	0.27 lb/hr (6)	0.27 lb/hr (6), 0.01 gr/dscf (3)		

(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 23.4(13)

(4) Authority for Requirement: 40 CFR §63.3890(b)(1) of Subpart MMMM

(5) Authority for Requirement: 567 IAC 23.1(4)"cm"

(6) Authority for Requirement: DNR Construction Permits listed in Table Hardware and Vertical Line Paint Booths -1

National Emission Standards for Hazardous Air Pollutants (NESHAP):
The following subparts apply to the emission unit(s) in these permits:

Emission Unit	Subpart	Title	Type	State Reference (567 IAC)	Federal Reference (40 CFR)
EU-29, EU-31, EU-32, EU-33, EU-34	A	General Provisions	NA	23.1(4)	§63.1 – §63.15
	MMMM	NESHAP for Surface Coating of Miscellaneous Metal Parts and Products	existing general use surface coating operation	23.1(4)"*cm*"	§63.3880 – §63.3981

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

Equipment Operation and Material Usage Requirements

A. The owner or operator shall record the identification and VOC content, in pounds per gallons, of any material (including, but not limited to coatings, thinners, cleaning materials, and primers) used in the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1.

B. The owner or operator shall maintain on-site manufacturer and vendor provided information (Safety Data Sheets, technical data sheets, etc.) for all VOC- and HAP-containing materials used in the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1.

C. The owner or operator shall record the total amount, in gallons, of all VOC-containing materials used in the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1 on a daily basis.

D. The owner or operator shall operate, inspect, and maintain the dry filters associated with each of the paint booths described in Table Hardware and Vertical Line Paint Booths-1 according to the manufacturer's specifications and instructions.

   1. The owner or operator shall keep a log of all maintenance and inspection activities performed on the dry filters. At a minimum, this log shall include the following:

      a. Any issues identified during inspection and maintenance activities;

      b. The date each issue was resolved; and

      c. Identification of the staff member performing the maintenance or inspection.

VOC Emission Limits Requirements

E. The owner or operator shall record the total amount, in tons, of VOC emitted from the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1 on a monthly basis. For purposes of calculating VOC monthly emissions, the materials allocated to the paint booths described in Table Hardware and Vertical Line Paint Booths-1 shall be considered emitted.

   1. VOC monthly emissions shall be determined as follows:

      a. *VOC Monthly Emissions (tons/month)* = [(Total gallons of each VOC-containing material allocated each month to the paint booths described in Table Hardware and Vertical Line Paint Booths-1) * (VOC content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

F. The owner or operator shall calculate and record the total amount, in tons, of VOC emitted from the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1 on a rolling 12-month basis.

G. The owner or operator shall implement the following procedure if the 12-month rolling total amount of VOC emitted from the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1 exceeds 131.6 tons.

   1. The owner or operator shall record the total amount, in tons, of VOC emitted from the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1 on a daily basis. For purposes of calculating VOC monthly emissions, the materials allocated to the paint booths described in Table Hardware and Vertical Line Paint Booths-1 shall be considered emitted.

   2. VOC daily emissions shall be determined as follows:

      a. *VOC Daily Emissions (tons/day)* = [(Total gallons of each VOC-containing material allocated each day to the paint booths described in Table Hardware and Vertical Line Paint Booths-1) * (VOC content, in pounds per gallon, in the material) * (1 ton/2000 pounds)]

   3. The owner or operator shall calculate and record the total amount, in tons, of VOC emitted from the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1 on a rolling 365-day basis.

   4. Calculation and recordkeeping of VOC emissions from data collected on Saturdays and Sundays shall be conducted on Mondays.

   5. Calculation and recordkeeping of VOC emissions shall not be required when emissions do not occur.

   6. VOC daily emissions calculations and recordkeeping as specified here shall continue until the rolling 12-month total drops below 131.6 tons on the last day of the following month, at which time, rolling VOC daily emissions calculations shall cease.

   7. Should the facility (Plant Number 63-02-003) choose to take credit for waste shipped off-site, the owner or operator shall record the date 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 the waste is shipped off-site.

PSD Applicability Requirements: Project Number 08-017

A. The requested changes evaluated under Project Number 08-017 included modification in the method of operation, as well as physical changes to the paint booths described in Table Hardware and Vertical Line Paint Booths-1.

B. In accordance with 567 IAC 33.3(18)"*f*"(1), before beginning actual construction of the project, the owner or operator shall document and maintain a record of the following information:

   1. A description of the project;

   2. Identification of the emission units whose VOC emissions could be affected by the project; and

   3. A description of the applicability test used to determine that the project is not a major modification for VOC.

C. Per 567 IAC 33.3(18)"*f*'(4), the owner or operator shall calculate the total VOC actual emissions, in tons per 12-month rolling period, from the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1 for a period of five years following resumption of regular operations.

D. The baseline actual emissions calculated for Project Number 08-017 are equal to 72.54 tons of VOC per year. The baseline actual emissions shall remain unchanged throughout the five-year period.

E. For purposes of Project Number 08-017 staying a synthetic minor project for Prevention of Significant Deterioration (PSD), the total VOC actual emissions from the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1 minus the baseline actual emissions shall not exceed 39.4 tons of VOC per year.

   1. The owner or operator shall record on a monthly basis the 12-month rolling total amount, in tons, of VOC emitted from the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1 minus the baseline actual emissions.

   2. The owner or operator is allowed to exclude those emissions following the construction of the project that could have accommodated during the consecutive 24-months period used to establish the baseline actual emissions and are unrelated to the requested changes evaluated under Project Number 14-458 (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.

   3. Each calendar year, the owner or operator shall submit to the Department the 12-month rolling total amount, in tons, of VOC emitted from the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1 minus the baseline actual emissions. This information must be submitted postmarked by March 31, for each calendar year submittal. The owner or operator submitted the initial report by March 31, 2016.

   4. Per 567 IAC 33.3(18)"*g*,'" the owner or operator shall retain a written record containing the information required in Condition E.1 of this permit for a period of ten (10) years after the completion date of Project No. 08-017.

5. Per 567 IAC 33.3(18)"*f*"(4), if the 12-month rolling total amount, in tons, of VOC emitted from the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1 exceed the baseline actual emissions, the owner or operator shall submit a report to notify the Department.

6. 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.

PSD Applicability Requirements: Project Number 14-458

F. The requested changes evaluated under Project Number 14-458 include modification in the method of operation, as well as physical changes to the paint booths described in Table Hardware and Vertical Line Paint Booths-1.

G. In accordance with 567 IAC 33.3(18)"*f*"(1), before beginning actual construction of the project, the owner or operator shall document and maintain a record of the following information:

1. A description of the project;

2. Identification of the emission units whose VOC emissions could be affected by the project; and

3. A description of the applicability test used to determine that the project is not a major modification for VOC.

H. Per 567 IAC 33.3(18)"*f*"(4), the owner or operator shall calculate the total VOC actual emissions, in tons per 12-month rolling period, from the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1 for a period of five years following resumption of regular operations.

I. The baseline actual emissions calculated for Project Number 14-458 are equal to 64.6 tons of VOC per year. 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 PSD, the total VOC actual emissions from the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1 minus the baseline actual emissions shall not exceed 39.4 tons of VOC per year.

1. The owner or operator shall record on a monthly basis the 12-month rolling total amount, in tons, of VOC emitted from the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1 minus the baseline actual emissions.

2. The owner or operator is allowed to exclude those emissions following the construction of the project that could have accommodated during the consecutive 24-months period used to establish the baseline actual emissions and are unrelated to the requested changes evaluated under Project Number 14-458 (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.

3. Each calendar year, the owner or operator shall submit to the Department the 12-month rolling total amount, in tons, of VOC emitted from the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1 minus the baseline actual emissions. This information must be submitted postmarked by March 31, for each calendar year submittal. The owner or operator submitted the initial report by March 31, 2016.
4. Per 567 IAC 33.3(18)"*g*,'" the owner or operator shall retain a written record containing the information required in Condition J.1 of this permit for a period of ten (10) years after the completion date of Project No. 14-458.
5. Per 567 IAC 33.3(18)"*f*'(4), if the 12-month rolling total amount, in tons, of VOC emitted from the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1 exceed the baseline actual emissions, the owner or operator shall submit a report to notify the Department.
6. 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.

PSD Applicability Requirements: Project Number 19-038

K. To ensure the requested changes evaluated under Project Number 19-038 will cause a VOC emissions increase that is below the PSD significance thresholds, the owner or operator shall comply with the following restrictions:
   1. The VOC content of the primer used in the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1 as a result of the requested changes evaluated under Project Number 19-038 shall be between 2.82 pounds per gallon and 4.85 pounds per gallon.
   2. The amount of primer with a VOC content between 2.82 pounds per gallon and 4.85 pounds per gallon allocated to the paint booths described in Table Hardware and Vertical Line Paint Booths-1 as a result of the requested changes evaluated under Project Number 19-038 shall not exceed 13,700 gallons per 365-day rolling period.
      a. The owner or operator shall record on a daily basis the total gallons of primer with a VOC content between 2.82 pounds per gallon and 4.85 pounds per gallon allocated to the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1 as a result of the requested changes evaluated under Project Number 19-038.
      b. The owner or operator shall calculate and record on a rolling 365-day basis the total gallons of primer with a VOC content between 2.82 pounds per gallon and 4.85 pounds per gallon allocated to the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1 as a result of the requested changes evaluated under Project Number 19-038.
   3. The VOC content of polyester topcoat used in the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1 as a result of the requested changes evaluated under Project Number 19-038 shall be between 2.65 pounds per gallon and 3.00 pounds per gallon.

4. The amount of polyester topcoat with a VOC content between 2.65 pounds per gallon and 3.00 pounds per gallon allocated to the paint booths described in Table Hardware and Vertical Line Paint Booths-1 as a result of the requested changes evaluated under Project Number 19-038 shall not exceed 4,000 gallons per 365-day rolling period.

    a. The owner or operator shall record on a daily basis the total gallons of polyester topcoat with a VOC content between 2.65 pounds per gallon and 3.00 pounds per gallon allocated to the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1 as a result of the requested changes evaluated under Project Number 19-038.

    b. The owner or operator shall calculate and record on a rolling 365-day basis the total gallons of polyester topcoat with a VOC content between 2.65 pounds per gallon and 3.00 pounds per gallon allocated to the operation of the paint booths described in Table Hardware and Vertical Line Paint Booths-1 as a result of the requested changes evaluated under Project Number 19-038.

National Emission Standards for Hazardous Air Pollutants Requirements

L. 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.

    1. The owner or operator shall maintain the paint booths described in Table Hardware and Vertical Line Paint Booths-1 according to the provisions in 40 CFR §63.6(e)(1)(i) of Subpart A as per the compliance requirements in 40 CFR §63.3900(b) of Subpart MMMM.

M. 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.

    1. Per 40 CFR §63.3900(a)(2)(i) of Subpart MMMM, the paint booths described in Table Hardware and Vertical Line Paint Booths-1 shall be in compliance with the emission limit in §63.3890(b)(1) of Subpart MMMM at all times, except during periods of startup, shut-down, and malfunction.

        a. The owner or operator shall use at least one of the compliance options described in §63.3891 of Subpart MMMM to determine whether the organic emission rate is equal to or less than the emission limit in §63.3890(b)(1) of Subpart MMMM.

            i. If the owner or operator chooses to implement the "*Emission Rate with Add-on Controls Option*" as specified in §63.3891(c) of Subpart MMMM, the owner or operator shall submit a request to the Department to amend Table Hardware and Vertical Line Paint Booths-1.

    2. The owner or operator shall comply at all times with the applicable work practice standards outlined in 40 CFR §63.3893 of Subpart MMMM.

3. The owner or operator shall comply with the applicable notifications, reporting, and recordkeeping requirements in 40 CFR §63.3910, §63.3920, and §63.3930 of Subpart MMMM, respectively.

Authority for Requirement: DNR Construction Permits listed in Table Hardware and Vertical Line Paint Booths -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 Paint Booths-6

Emission Point	Stack Height (feet, from the ground)	Discharge Style	Stack Outlet Dimension (inches)	Exhaust Temperature (°F)	Exhaust Flowrate (scfm)
EP-29	53	Vertical, unobstructed	36	68	10,000
EP-31	51	Vertical, unobstructed	34	68	14,000
EP-32	51	Vertical, unobstructed	34	68	14,000
EP-33	51	Vertical, unobstructed	34	68	14,000
EP-34	51	Vertical, unobstructed	34	68	14,000

Authority for Requirement: DNR Construction Permits listed in Table Hardware and Vertical Line Paint Booths -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 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

Emission Point	Emission Unit	Emission Unit Description	Raw Material	Rated Capacity (gal/min)	Construction Permit
EP-74A	EU-74A	Vertical Line Pretreatment System	Detergents, Sealers	22.1	04-A-1012-S2
EP-74B	EU-74B	Vertical Line Pretreatment System	Detergents, Sealers	22.1	04-A-1013-S2
EP-103	EU-103	Pretreatment System	Detergents, Sealers	11.6	01-A-1341-S1
EP-104	EU-104	Pretreatment System	Detergents, Sealers	11.6	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-2

Emission Point	Opacity	Particulate Matter (PM_{10})	Particulate Matter (PM)	Chromium (lb/hr)
EP-74A	40% (1)(2)	0.15 (5)	0.1 gr/dscf (3)	N/A
EP-74B	40% (1)(2)	0.15 (5)	0.1 gr/dscf (3)	N/A
EP-103	40% (1)(2)	0.15 (5)	1.39 lb/hr (5), 0.1 gr/dscf (3)	0.54 (4)
EP-104	40% (1)(2)	0.15 (5)	1.39 lb/hr (5), 0.1 gr/dscf (3)	0.54 (4)

(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) Authority for Requirement: 567 IAC 23.3(2)"d"
(3) Authority for Requirement: 567 IAC 23.4(13)
(4) 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.
(5) Authority for Requirement: DNR Construction Permits listed in Table Pretreatment System-1

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

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

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

Emission Point	Stack Height (ft, from the ground)	Stack Opening (dia. inch)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style
EP-74A	54	24	3,800	100-118	Vertical Unobstructed
EP-74B	52.5	21	3,800	100-118	Vertical Unobstructed
EP-103	40	16	4,100	120-150	Vertical Unobstructed
EP-104	36	16	1,700	120-150	Vertical Unobstructed

Authority for Requirement: DNR Construction Permits listed in Table Pretreatment 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 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

Emission Point	Emission Unit	Emission Unit Description	Maximum Design Capacity	Control Equipment	Construction Permit
EP-211	EU-211	Sanding Station	NA*	CE-211/Dust Collector	09-A-622
EP-212	EU-212	Sanding Station	NA*	CE-212/Dust Collector	09-A-635
EP-213	EU-213	Sanding Station	NA*	CE-213/Dust Collector	09-A-636
EP-214	EU-214	Sanding Station	NA*	CE-214/Dust Collector	09-A-637
EP-215	EU-215	Sanding Station	NA*	CE-215/Dust Collector	09-A-638
EP-216	EU-216	Sanding Station	NA*	CE-216/Dust Collector	09-A-639
EP-217	EU-217	Sanding Station	NA*	CE-217/Dust Collector	09-A-640
EP-218	EU-218	Sanding Station	NA*	CE-218/Dust Collector	09-A-641
EP-219	EU-219	Sanding Station	NA*	CE-219/Dust Collector	09-A-642
EP-220	EU-220	Sanding Station	NA*	CE-220/Dust Collector	09-A-643

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

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 Sanding Stations-3

Emission Point	Opacity	Particulate Matter (PM_{10})	Particulate Matter (PM)
EP-211	40% (1)(2)	0.05 lb/hr (4)	0.05 lb/hr (4), 0.1 gr/dscf (3)
EP-212	40% (1)(2)	0.05 lb/hr (4)	0.05 lb/hr (4), 0.1 gr/dscf (3)
EP-213	40% (1)(2)	0.05 lb/hr (4)	0.05 lb/hr (4), 0.1 gr/dscf (3)
EP-214	40% (1)(2)	0.05 lb/hr (4)	0.05 lb/hr (4), 0.1 gr/dscf (3)
EP-215	40% (1)(2)	0.05 lb/hr (4)	0.05 lb/hr (4), 0.1 gr/dscf (3)
EP-216	40% (1)(2)	0.05 lb/hr (4)	0.05 lb/hr (4), 0.1 gr/dscf (3)
EP-217	40% (1)(2)	0.05 lb/hr (4)	0.05 lb/hr (4), 0.1 gr/dscf (3)
EP-218	40% (1)(2)	0.05 lb/hr (4)	0.05 lb/hr (4), 0.1 gr/dscf (3)
EP-219	40% (1)(2)	0.05 lb/hr (4)	0.05 lb/hr (4), 0.1 gr/dscf (3)
EP-220	40% (1)(2)	0.05 lb/hr (4)	0.05 lb/hr (4), 0.1 gr/dscf (3)

(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) Authority for Requirement: 567 IAC 23.3(2)"d"
(3) Authority for Requirement: 567 IAC 23.3(2) "a"
(4) Authority for Requirement: DNR Construction Permits listed in Table Sanding Stations-1

Operating Requirements with Associated Monitoring and Recordkeeping

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

Operating Limits

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

Reporting and Recordkeeping

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-1

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

Table Sanding Stations-5

Emission Point	Stack Height (ft, from the ground)	Stack Opening (dia. inch)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style
EP-211	NA	NA	1,500	70	Indoor Vent
EP-212	NA	NA	1,500	70	Indoor Vent
EP-213	NA	NA	1,500	70	Indoor Vent
EP-214	NA	NA	1,500	70	Indoor Vent
EP-215	NA	NA	1,500	70	Indoor Vent
EP-216	NA	NA	1,500	70	Indoor Vent
EP-217	NA	NA	1,500	70	Indoor Vent
EP-218	NA	NA	1,500	70	Indoor Vent
EP-219	NA	NA	1,500	70	Indoor Vent
EP-220	NA	NA	1,500	70	Indoor Vent

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

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 (PM_{10})
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"

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

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: Surface Prep Area Units

Associated Equipment

Table Surface Prep Units-1

Emission Point	Emission Unit	Emission Unit Description	Maximum Design Capacity	Control Equipment	Construction Permit
EP-161	EU-161	Surface Prep Area #3	12,000	CE-161A; CE-161B Cyclone and Cartridge Filter	08-A-205-S3
EP-167	EU-167	Surface Prep Area #9	12,000	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 these emission points shall not exceed the levels specified below.

Table Surface Prep Units-3

Emission Point	Opacity	Particulate Matter (PM_{10})	Particulate Matter (PM)
EP-161	40% (1)(2)	0.015 lb/hr (4)	0.015 lb/hr (4), 0.1 gr/dscf (3)
EP-167	40% (1)(2)	0.015 lb/hr (4)	0.015 lb/hr (4), 0.1 gr/dscf (3)

(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) Authority for Requirement: 567 IAC 23.3(2)"d"
(3) Authority for Requirement: 567 IAC 23.3(2) "a"
(4) Authority for Requirement: DNR Construction Permits listed in Table Surface Prep Units -1

National Emission Standards for Hazardous Air Pollutants (NESHAP):

The following subparts apply to the emission point.

Emission Point	Subpart	Title	Type	State Reference (567 IAC)	Federal Reference (40 CFR)
EP-161, EP-167	A	General Provisions	NA	23.1(4)	§63.1 – §63.15
	QQQQ	NESHAP for Surface Coating of Wood Building Products	existing affected source	23.1(4)"*cq*"	§63.4680 – §63.4781

Operating Requirements with Associated Monitoring and Recordkeeping

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

Operating Limits

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

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-1

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Table Surface Prep Units-5

Emission Point	Stack Height (ft, from the ground)	Stack Opening (dia. inch)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style
EP-161	31	16	2500-3000	70	Vertical Unobstructed
EP-167	37	16	2500-3000	70	Vertical Unobstructed

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

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

Emission Point	Emission Unit	Emission Unit Description	Maximum Design Capacity[(1)] (1000 ft3/hr)	Control Equipment	Construction Permit
EP-19	EU-19	Wood Dust System	3.14	CE-19/Baghouse & Cyclone	79-A-035-S4
EP-27	EU-27	Wood Dust System	2.40	CE-27/Baghouse	92-A-582-S3
EP-28	EU-28	Old Mac Wood Dust System	3.00	CE-28/Baghouse	92-A-583-S5
EP-30	EU-30	Wood Dust Collection System (Torit #4)	2.40	Cyclone (CE-30A) followed by Baghouse (CE-30B)	92-A-584-S5
EP-54	EU-54	Wood Dust System	3.14	CE-54/Baghouse	92-A-585-S3
EP-55	EU-55	Wood Dust System	4.29	CE-55/Baghouse	92-A-586-S3
EP-69	EU-69	Wood Dust System	4.30	CE-69/Baghouse	98-A-386-S4
EP-71	EU-71	Wood Dust System	3.14	CE-71/Baghouse	10-A-335
EP-72	EU-72	Wood Dust System	1.20	CE-72/Baghouse	None
EP-86	EU-86	Wood Dust System	3.60	CE-86/Baghouse & Cyclone	99-A-189-S3
EP-88	EU-88	Wood Dust System	3.60	CE-88/Baghouse & Cyclone	00-A-017-S4
EP-102	EU-102	Wood Dust System	3.60	CE-102A, CE-102B Baghouse & Cyclone	01-A-1234-S3

[(1)]Maximum design capacity is the rated wood dust handling capacity for systems. System exhaust flow rates (scfm) are listed in Table Wood Dust System-5.

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-2

Emission Point	Opacity	Particulate Matter (PM_{10})	Particulate Matter (PM)
EP-19	40% (1)(3)	0.84 lb/hr (5)	0.01 gr/dscf (4)
EP-27	40% (1)(3)	0.32 lb/hr (5)	2.6 lb/hr (5), 0.1 gr/dscf (4)
EP-28	40% (2)(3)	0.32 lb/hr (5)	3.05 lb/hr (5), 0.1 gr/dscf (4)
EP-30	40% (1)(3)	0.51 lb/hr (5)	1.72 lb/hr (5), 0.1 gr/dscf (4)
EP-54	40% (1)(3)	0.72 lb/hr (5)	3.2 lb/hr (5), 0.1 gr/dscf (4)
EP-55	40% (1)(3)	0.52 lb/hr (5)	3.6 lb/hr (5), 0.1 gr/dscf (4)
EP-69	40% (1)(3)	1.26 lb/hr (5)	5.0 lb/hr (5), 0.1 gr/dscf (4)
EP-71	40% (1)(3)	0.96 lb/hr (5)	1.56 lb/hr (5), 0.1 gr/dscf (4)
EP-72	40% (1)(3)	NA	0.1 gr/dscf (4)
EP-86	40% (1)(3)	0.83 lb/hr (5)	11.14 lb/hr (5), 0.1 gr/dscf (4)
EP-88	40% (1)(3)	1.08 lb/hr (5)	5.57 lb/hr (5), 0.1 gr/dscf (4)
EP-102	40% (1)(3)	2.33 lb/hr (5)	5.57 lb/hr (5), 0.1 gr/dscf (4)

(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) 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).

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

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

(5) Authority for Requirement: DNR Construction Permits listed in Table Wood Dust System -1

Operating Requirements with Associated Monitoring and Recordkeeping

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

EP-28

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

B. 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

EP-30 - CONTROL EQUIPMENT REQUIREMENTS

A. The owner or operator shall maintain the pressure drop across the baghouse (CE-30B) between 0.5 and 6.0 inches water column.

   1. The owner or operator shall collect and record the pressure drop, in inches of water column, across the baghouse (CE-30B) on a continuous basis while the baghouse is in operation.

   2. If the pressure drop across the baghouse (CE-30B) falls outside the required range, the owner or operator shall record the date and actions taken to correct the situation and shall record when the pressure drop is back within the required range.

B. The owner or operator shall operate, inspect, and maintain the cyclone (CE-30A) and the baghouse (CE-30B) according to the manufacturer's specifications and instructions.

   1. The owner or operator shall keep a log of all maintenance and inspection activities performed on the control equipment (CE-30A and CE-30B). At a minimum, this log shall include the following:

      a. The date that any inspection and/or maintenance was performed on the control equipment (CE-30A and CE-30B);

         i. The owner or operator shall conduct inspection activities at a minimum of once per calendar year.

      b. Any issues identified during inspection and maintenance activities;

      c. The date each issue was resolved; and

      d. Identification of the staff member performing the maintenance or inspection.

Authority for Requirement: DNR Construction Permit 92-A-584-S5

There are no reporting and recordkeeping requirements for EP-19, EP-27, 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

Emission Point	Stack Height (ft, from the ground)	Stack Opening (dia. inch)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style
EP-19	35	48×48	54,700	Ambient	Horizontal
EP-27	47	48×48	50,200	Ambient	Horizontal
EP-28	38	53	41,000	70	Vertical Unobstructed
EP-30	47	56	49,500	68	Vertical, unobstructed
EP-54	29	50	48,043	70	Horizontal
EP-55	38	54	64,576	70	Horizontal
EP-69	47	54×63.5	55,000	Ambient	Horizontal
EP-71	47	42×48	45,000	Ambient	Horizontal
EP-72	NA	NA	NA	NA	NA
EP-86	47	54	68,000	Ambient	Horizontal
EP-88	40	60	61,200	Ambient	Vertical
EP-102	30	54	68,000	Ambient	Horizontal

Authority for Requirement: DNR Construction Permits listed in Table Wood Dust 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.

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-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 (PM_{10})
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"

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

National Emission Standards for Hazardous Air Pollutants (NESHAP):
The following subparts apply to the emission unit(s) in these permits:

Emission Unit	Subpart	Title	Type	State Reference (567 IAC)	Federal Reference (40 CFR)
EU-39	A	General Provisions	NA	23.1(4)	§63.1 – §63.15
	MMMM	NESHAP for Surface Coating of Miscellaneous Metal Parts and Products	existing general use surface coating operation	23.1(4)"*cm*"	§63.3880 – §63.3981

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

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): 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-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 (PM_{10})
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"

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

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)

National Emission Standards for Hazardous Air Pollutants (NESHAP):
The following subparts apply to this emission unit:

Subpart	Title	Type	State Reference (567 IAC)	Federal Reference (40 CFR)
A	General Provisions	NA	23.1(4)	§63.1 – §63.15
QQQQ	National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products	Doors, Windows & Misc. 63.4681(a)(1)	23.1(4)"cq"	§63.4680 – §63.4781

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-Applicablity of *General Provisions* §§63.1 through 63.15.

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

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

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

National Emission Standards for Hazardous Air Pollutants (NESHAP):
The following subparts apply to this emission unit:

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.

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"

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.

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

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:
    1. the number of hours the engine operated; and
    2. the rolling, 12-month total of the number of hours the engine operated.

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

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 (PM_{10})
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"

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.

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

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

Emission Point	Emission Unit	Emission Unit Description	Maximum Rated Capacity	Control Equipment	Construction Permit
EP-222	EU-222	Paint Hook Oven (burn-off oven)	3,180 steel pieces/batch, at a maximum of four batches/day 875,000 Btu/hour	None	10-A-535-S1

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-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 (PM_{10})
Emission Limit(s): 0.20 lb/hr
Authority for Requirement: DNR Construction Permit 10-A-535-S1

Pollutant: Particulate Matter (PM)
Emission Limit(s): 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 10-A-535-S1
567 IAC 23.3(2)"a"

Operating Requirements with Associated Monitoring and Recordkeeping

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

A. The owner or operator shall use natural gas as the only fuel for the Paint Hook Oven (EU-222).

   1. The owner or operator shall maintain a record of the type of fuel burned in the Paint Hook Oven (EU-222).

   2. Prior to burning any other fuel in this unit, the owner or operator shall apply for, and obtain, a new construction permit from the Department.

B. The operation of the Paint Hook Oven (EU-222) shall be limited to four batches per day.

   1. The owner or operator shall maintain a record of the number of batches initiated in the Paint Hook Oven (EU-222) on each shift one day per month.

      a. At a minimum, each record shall include the following:

         i. Date;

         ii. Shift; and

         iii. Equipment Line Source.

C. The owner or operator shall only process reusable steel pieces from the paint lines in the Paint Hook Oven (EU-222).

   1. The owner or operator shall maintain records of the equipment processed in the Paint Hook Oven (EU-222).

Authority for Requirement: DNR Construction Permit 10-A-535-S1

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: Vertical, obstructed
Authority for Requirement: DNR Construction Permit 10-A-535-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-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)

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.

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.

National Emission Standards for Hazardous Air Pollutants (NESHAP):
The following subparts apply to this emission unit:

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.

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"

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.

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.

National Emission Standards for Hazardous Air Pollutants (NESHAP):
The following subparts apply to this emission unit:

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.

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"

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.

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 Permitting & Standards Branch, 11201 Renner Blvd., Lenexa, KS 66219. Additional copies to local programs or EPA are not required for application materials submitted through the electronic format specified by the Department. The application must include all emission points, emission units, air pollution control equipment, and monitoring devices at the facility. All emissions generating activities, including fugitive emissions, must be included. The definition of a complete application is as indicated in 567 IAC 22.105(2). *567 IAC 22.105*

G3. Certification Requirement for Title V Related Documents

1. 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

1. 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

1. 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

1. 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:
   a. 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;
   b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
   c. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
   d. 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

1. 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

1. The owner or operator of any air emission source or control equipment shall:
   a. Maintain and operate the equipment or control equipment at all times in a manner consistent with good practice for minimizing emissions.
   b. Remedy any cause of excess emissions in an expeditious manner.
   c. 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.
   d. 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.

1. 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.
   a. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred at a source:
      i. A monitoring method approved for the source and incorporated in an operating permit pursuant to 567 Chapter 22;
      ii. Compliance test methods specified in 567 Chapter 25; or
      iii. Testing or monitoring methods approved for the source in a construction permit issued pursuant to 567 Chapter 22.
   b. The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:
      i. Any monitoring or testing methods provided in these rules; or
      ii. 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

1. 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

1. The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity, strength and toxicity of the substance, creates an immediate or potential danger to the public health, safety or to the environment. A verbal report shall be made to the department at (515) 725-

8694 and to the local police department or the office of the sheriff of the affected county as soon as possible but not later than six hours after the discovery or onset of the condition. This verbal report must be followed up with a written report as indicated in 567 IAC 131.2(2). *567 IAC Chapter 131-State Only*

G14. Excess Emissions and Excess Emissions Reporting Requirements

1. Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does not require the shutdown of the process equipment shall be limited to one six-minute period per one-hour period. An incident of excess emission (other than an incident during startup, shutdown or cleaning of control equipment) is a violation. If the owner or operator of a source maintains that the incident of excess emission was due to a malfunction, the owner or operator must show that the conditions which caused the incident of excess emission were not preventable by reasonable maintenance and control measures. Determination of any subsequent enforcement action will be made following review of this report. If excess emissions are occurring, either the control equipment causing the excess emission shall be repaired in an expeditious manner or the process generating the emissions shall be shutdown within a reasonable period of time. An expeditious manner is the time necessary to determine the cause of the excess emissions and to correct it within a reasonable period of time. A reasonable period of time is eight hours plus the period of time required to shut down the process without damaging the process equipment or control equipment. A variance from this subrule may be available as provided for in Iowa Code section 455B.143. In the case of an electric utility, a reasonable period of time is eight hours plus the period of time until comparable generating capacity is available to meet consumer demand with the affected unit out of service, unless, the director shall, upon investigation, reasonably determine that continued operation constitutes an unjustifiable environmental hazard and issue an order that such operation is not in the public interest and require a process shutdown to commence immediately.
2. Excess Emissions Reporting
    a. Initial Reporting of Excess Emissions. An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 25.1(6). An initial report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 25.1(1)) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable emission standard by more than 10 percent or the applicable visible emission standard by more than 10 percent opacity. The initial report may be made by electronic mail (E-mail), in person, or by telephone and shall include as a minimum the following:

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

b. Written Reporting of Excess Emissions. A written report of an incident of excess emission shall be submitted as a follow-up to all required initial reports to the department within seven days of the onset of the upset condition, and shall include as a minimum the following:
i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.
ii. The estimated quantity of the excess emission.
iii. The time and duration of the excess emission.
iv. The cause of the excess emission.
v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.
vi. The steps that were taken to limit the excess emission.
vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. *567 IAC 24.1(1)-567 IAC 24.1(4)*

3. Emergency Defense for Excess Emissions. For the purposes of this permit, an "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the permit due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include non-compliance, to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation or operator error. An emergency constitutes an affirmative defense to an action brought for non-compliance with technology based limitations if it can be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that:
   a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
   b. The facility at the time was being properly operated;
   c. During the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements of the permit; and
   d. The permittee submitted notice of the emergency to the director by certified mail within two working days of the time when the emissions limitations were exceeded due to the emergency. This notice fulfills the requirement of paragraph 22.108(5)"b." – See G15. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.
4. 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

1. 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

1. 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.
a. 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.
b. 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

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

G20. Asbestos

1. 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

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

G22. Acid Rain (Title IV) Emissions Allowances

1. 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

1. 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

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

G28. Transferability

1. 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

1. 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

1. 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.

2. Stack test notifications, reports and correspondence shall be sent to:
   Stack Test Review Coordinator
   Iowa DNR, Air Quality Bureau
   Wallace State Office Building
   502 E 9th St.
   Des Moines, IA 50319-0034
   (515) 725-9545
3. 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

1. 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

1. The current address and phone number for reports and notifications to the EPA administrator is:
   Iowa Compliance Officer
   Air Branch
   Enforcement and Compliance Assurance Division
   U.S. EPA Region 7
   11201 Renner Blvd.
   Lenexa, KS 66219
   (913) 551-7020
2. The current address and phone number for reports and notifications to the department or the Director is:
   Chief, Air Quality Bureau
   Iowa Department of Natural Resources
   Wallace State Office Building
   502 E 9th St.
   Des Moines, IA 50319-0034
   (515) 725-8200

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

Field Office 1
1101 Commercial Court, Suite 10
Manchester, IA 52057
(563) 927-2640

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

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

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

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

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

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

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

V. Appendix A

A. 40 CFR 60 Subpart A – General Provisions

https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-60/subpart-A

B. 40 CFR 60 Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units

https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-60/subpart-Dc

C. 40 CFR 63 Subpart A – General Provisions

https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-A

D. 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/current/title-40/chapter-I/subchapter-C/part-63/subpart-MMMM

E. 40 CFR 63 Subpart QQQQ – National Emission Standard for Hazardous Air Pollutants: Surface Coating of Wood Building Products.

https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-QQQQ

F. 40 CFR Part 63 Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines (RICE NESHAP)

https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C/part-63/subpart-ZZZZ

G. 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/current/title-40/chapter-I/subchapter-C/part-63/subpart-DDDDD