

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

**Name of Permitted Facility: Pella Corporation – Carroll
Operations**

Facility Location: 1750 E US Highway 30, Carroll, Iowa 51401

Air Quality Operating Permit Number: 98-TV-025R3

Expiration Date: March 20, 2022

Permit Renewal Application Deadline: September 20, 2021

EIQ Number: 92-4046

Facility File Number: 14-01-010

Responsible Official

Name: Mike Lind

Title: Vice President of Operations

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Permit Contact Person for the Facility

Name: Terry Noteboom

Title: Environmental Engineer

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

For the Director of the Department of Natural Resources

Lori Hanson, Supervisor of Air Operating Permits Section

Date

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Abbreviations

acfm.....	actual cubic feet per minute
CFR.....	Code of Federal Regulation
CE	control equipment
CEM.....	continuous emission monitor
°F	degrees Fahrenheit
EIQ.....	emissions inventory questionnaire
EP.....	emission point
EU	emission unit
gr./dscf	grains per dry standard cubic foot
IAC.....	Iowa Administrative Code
IDNR.....	Iowa Department of Natural Resources
MVAC.....	motor vehicle air conditioner
NAICS.....	North American Industry Classification System
NSPS.....	new source performance standard
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 – Carroll Operations
 Permit Number: 98-TV-025R3

Facility Description: Millwork (SIC 2431)

Equipment List

Emission Point Number	Emission Unit Number	Emission Unit Description	IDNR Construction Permit Number
EP 2	EU 2	Wood Dust System #1	82-A-054
EP 4	EU 4	Wood Dust System #3	87-A-070
EP 5	EU 5	Wood Dust System #2	87-A-093
EP 6	EU 6	Maintenance Paint Spray Booth	91-A-035-S2
EP 11	EU 11	Wood Dust System #4	91-A-136-S2
EP 12	EU 12	Emergency Generator	94-A-094-S1
EP 14	EU 14	Boiler #2	NA
EP 26	EU 26	Wood Dust System #5	00-A-874-S2
EP 32	EU 32	Wood Dust System #6	07-A-1017
EP 53	EU 53	Surface Preparation Area	10-A-266
EP 54	EU 54	Surface Preparation Area	10-A-267
EP CO	EU 29	Wood Dip/Dry – Frame In-Line	91-A-327-S7
	EU 30	Wood Dip/Dry – Sash In-Line	
	EU 41	Wood Dip/Dry – Rail In-Line	
	EU 42	Wood Dip/Dry – Stile/Still In-Line	
	EU 43	Wood Dip/Dry – Head/Jamb In-Line	
Surface App.	Surface App.	Miscellaneous Chemicals, Surface Application	NA
Fugitive 1	Fugitive 1	Solvent Based Parts Washer	NA
Fugitive 2	Fugitive 2	Sealant Application	NA
Group 1			
EP 1B1	EU 1B	Wood Paint Line, Dryer/Oven	01-A-862-S1
EP 1B2			12-A-178
EP 1B3			12-A-179
EP 1B4			12-A-180
EP 33	EU 33	Primer Oven #1	06-A-1034-S3
EP 34	EU 34	Topcoat Oven #2	06-A-1035-S3
EP 35	EU 35	Primer Oven #3	06-A-1036-S3
EP 36	EU 36	Topcoat Oven #4	06-A-1037-S3
EP 44	EU 44	1/2 Auto Prefinish Booth	10-A-257-S1
EP 45	EU 45	1/2 Auto Prefinish Booth	10-A-258-S1
EP 46	EU 46	1/2 Auto Prefinish Booth	10-A-259-S1
EP 47	EU 47	1/2 Auto Prefinish Booth	10-A-260-S1
EP 48	EU 48	Manual Prefinish Oven	10-A-261-S1
EP 49	EU 49	Prefinish Oven	10-A-262-S1
EP 50	EU 50	Prefinish Oven	10-A-263-S1
EP 51	EU 51	Prefinish Oven	10-A-264-S1
EP 52	EU 52	Manual Spray Booth	10-A-265-S1

Emission Point Number	Emission Unit Number	Emission Unit Description	IDNR Construction Permit Number
EP 56	EU 56	Accessory Spray Booth	12-A-171
EP 57	EU 57	½ Auto Prefinish Booth	12-A-172
EP 58	EU 58	½ Auto Prefinish Booth	12-A-173
EP 59	EU 59	½ Auto Prefinish Booth	13-A-545
EP 60	EU 60	½ Auto Prefinish Booth	13-A-546

Insignificant Activities Equipment List

Insignificant Emission Unit Number	Insignificant Emission Unit Description
Insig. 1	Indoor Wood Dust Collection Systems (approximately 32,000 cfm total from approximately 30 systems)
Insig. 2	Aboveground Storage Tank (Unleaded Gasoline) 300 gallons
Insig. 3	Aboveground Storage Tank (Diesel Fuels) 300 gallons
Insig. 4	Aboveground Storage Tank (Diesel Fuel-Fire Pump) 300 gallons
Insig. 5	Aboveground Storage Tank (Fuel Oil) 2,500 gallons
Insig. 6	Aboveground Storage Tank (Fuel Oil) 10,000 gallons
Insig. 7	Aboveground Storage Tank (Milltreat/Mineral Spirits) 10,000 gallons
I18	4 Solvent Parts Washers

I. Plant-Wide Conditions

Facility Name: Pella Corporation – Carroll Operations
Permit Number: 98-TV-025R3

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

Permit Duration

The term of this permit is: Five (5) years from permit issuance
Commencing on: March 21, 2017
Ending on: March 20, 2022

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

Emission Limits

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

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

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

Particulate Matter:

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

Compliance Plan

The owner/operator of this equipment shall comply with following compliance plan.

Description

The facility has discovered discrepancies for 25 emission points that are outside of the allowable parameters and require action by the facility.

Condition

*The permittee shall submit a list identifying which stacks will be physically modified to conform to their existing construction permits and which of the 25 emission points will request construction permit modifications **no later than March 15, 2017.***

*For the stacks that will be physically changed to match the construction permits, the changes shall be made between **April 1, 2017 and September 1, 2017.***

*For the stacks for which the construction permits will be modified, the permittee shall submit construction permit applications no later than **May 1, 2017**.*

Authority for Requirement: 567 IAC 22.108(15)

NSPS and NESHAP Applicability

40 CFR Part 63 Subpart A

This facility is subject to NESHAP Subpart A – General Provisions as specified in 40 CFR §63.4701. The affected emission units are all units identified as Group 1 emission units, EU 29, EU 30, EU 41, EU 42, EU 43, and EU 12.

See Appendix B for a link to the Standard.

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

40 CFR Part 63 Subpart QQQQ

This facility is subject to the requirements of 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"). The affected emission units are all units identified as Group 1 emission units, EU 29, EU 30, EU 41, EU 42, and EU 43.

See Appendix B for a link to the Standard.

Authority for Requirement: 40 CFR Part 63 Subpart QQQQ
567 IAC 23.2(4)"cq"

40 CFR Part 63 Subpart ZZZZ

This facility is subject to the requirements of 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Stationary Reciprocating Internal Combustion Engines. The affected unit is EU 12. See Appendix B for a link to the Standard.

Authority for Requirement: 40 CFR Part 63 Subpart ZZZZ
567 IAC 23.2(4)"cz"

III. Emission Point-Specific Conditions

Facility Name: Pella Corporation - Carroll Division
 Permit Number: 98-TV-025R3

Emission Point ID Numbers: EP 2, EP 4, EP 5

Associated Equipment

Emission Point	Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity (cf/hr)	Authority for Requirement)
EP 2	EU 2	Wood Dust System #1	CE2A: Cyclone CE2B: Baghouse	Wood	2,640	DNR Construction Permit Number 82-A-054
EP 4	EU 4	Wood Dust System #3	CE4A: Cyclone CE4B: Baghouse	Wood	2,700	DNR Construction Permit Number 87-A-070
EP 5	EU 5	Wood Dust System #2	CE5A: Cyclone CE5B: Baghouse	Wood	2,700	DNR Construction Permit Number 87-A-093

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.

Emission Point	Opacity (567 IAC 23.3(2)"d")	Particulate Matter (PM) (lb/hr) (567 IAC 23.3(2)"a")	Authority for Requirement
EP 2	40%	6.78	DNR Construction Permit 82-A-054
EP 4	40%	6.31	DNR Construction Permit 87-A-070
EP 5	40%	9.60	DNR Construction Permit 87-A-093

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
(Required for CE 2B, CE 4B, and CE 5B)

See Appendix A.

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP 6

Associated Equipment

Associated Emission Unit ID Number: EU 6
Emissions Control Equipment ID Number: CE 6
Emissions Control Equipment Description: Dry Filter

Emission Unit vented through this Emission Point: 6
Emission Unit Description: Maintenance Paint Booth
Raw Material/Fuel: Paint
Rated Capacity: 2.0 gal/hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40%⁽¹⁾

Authority for Requirement: DNR Construction Permit 91-A-035-S2
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM₁₀)

Emission Limit(s): 1.54 lb/hr

Authority for Requirement: DNR Construction Permit 91-A-035-S2

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.01 gr/dscf

Authority for Requirement: DNR Construction Permit 91-A-035-S2
567 IAC 23.4(13)

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 2.0 tons/yr

Authority for Requirement: DNR Construction Permit 91-A-035-S2

Operational Limits & Requirements

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

Operating Limits

Process throughput:

- 1. This emissions unit shall be used for facility maintenance operations.

Reporting & Record keeping

All records as required below shall be satisfactory for demonstrating compliance with all applicable operating limits. Records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the DNR. These records shall show the following:

- 1. The permittee shall record daily the quantities and the VOC content of each coating and solvent used in the emissions unit.
- 2. The permittee shall maintain the following monthly records:
 - a. The VOC emission rate from the emissions unit in pounds or tons; and
 - b. The rolling 12-month total amount of VOC emissions from the emissions unit in tons.

Authority for Requirement: DNR Construction Permit 91-A-035-S2

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

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

Stack Opening, (inches, dia.): 34

Exhaust Flow Rate (scfm): 18,000

Exhaust Temperature (°F): 70

Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 91-A-035-S2

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Paint Booth Agency Operation & Maintenance Plan

Weekly

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

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 11

Associated Equipment

Associated Emission Unit ID Number: EU 11
Emissions Control Equipment ID Number: CE 11
Emissions Control Equipment Description: Baghouse

Emission Unit vented through this Emission Point: EU 11
Emission Unit Description: Wood Dust System #4
Raw Material/Fuel: Wood
Rated Capacity: 3,240 mcf/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 91-A-136-S2
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM₁₀)
Emission Limit(s): 1.07 lb/hr, 0.0023 gr/dscf
Authority for Requirement: DNR Construction Permit 91-A-136-S2

Pollutant: Particulate Matter (PM)
Emission Limit(s): 1.50 lb/hr, 0.1 gr/dscf
Authority for Requirement: DNR Construction Permit 91-A-136-S2
567 IAC 23.3(2)"a"

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 22
Stack Opening, (inches, dia.): 48
Exhaust Flow Rate (scfm): 57,000
Exhaust Temperature (°F): 70
Discharge Style: Vertical unobstructed
Authority for Requirement: DNR Construction Permit 91-A-136-S2

The temperature and flowrate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may

vary with changes in the process and ambient conditions. If it is determined that either the temperature or flowrate above are different than the values stated, the owner or operator shall submit a request to the Department within thirty (30) days of the discovery to determine if a permit amendment is required or submit a permit application requesting to amend the permit.

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

See Appendix A

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP 12

Associated Equipment

Associated Emission Unit ID Number: EU 12

Emission Unit vented through this Emission Point: EU 12

Emission Unit Description: Emergency Diesel Generator

Raw Material/Fuel: Diesel Fuel

Rated Capacity: 2,304 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.

Pollutant: Opacity

Emission Limit(s): 40%⁽¹⁾

Authority for Requirement: DNR Construction Permit 94-A-094-S1
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM₁₀)

Emission Limit(s): 0.81 lb/hr, 0.081 tons/yr

Authority for Requirement: DNR Construction Permit 94-A-094-S1

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.1 gr/scf

Authority for Requirement: DNR Construction Permit 94-A-094-S1
567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 3.30 lb/hr, 0.330 tons/yr

Authority for Requirement: DNR Construction Permit 94-A-094-S1

Pollutant: Nitrogen Oxide (NO_x)

Emission Limit(s): 50.6 lb/hr, 5.06 tons/yr

Authority for Requirement: DNR Construction Permit 94-A-094-S1

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 1.47 lb/hr, 0.147 tons/yr

Authority for Requirement: DNR Construction Permit 94-A-094-S1

Pollutant: Carbon Monoxide (CO)
Emission Limit(s): 13.2 lb/hr, 1.32 tons/yr
Authority for Requirement: DNR Construction Permit 94-A-094-S1

Operational Limits & Requirements

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

Operating Limits

Hours of operation:

1. Operation of this engine shall be limited to 200 hours in any rolling 12-month period.

Process Throughput:

1. The sulfur content of the oil burned in this engine shall not exceed 0.5 percent by weight.

Reporting & Record keeping

All records as required below shall be satisfactory for demonstrating compliance with all applicable operating limits. Records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the DNR. These records shall show the following:

1. 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.
2. The permittee shall keep the following monthly records:
 - i. the number of hours that the engine operated; and
 - ii. the rolling, 12-month total of the number of hours that the engine operated.

Authority for Requirement: DNR Construction Permit 94-A-094-S1

NESHAP:

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

Compliance Date

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

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

1. Change oil and filter every 500 hours of operation or annually, whichever comes first. (See 63.6625(i) for the oil analysis option to extend time frame of requirements.)
2. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first, and replace as necessary.

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

Operating Limits 40 CFR 63.6640(f)

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

Recordkeeping Requirements 40 CFR 63.6655

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

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

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

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

Emission Point Characteristics

This emission point shall conform to the conditions listed below.

Stack Height, (ft, from the ground): 18
Stack Opening, (inches, dia.): 12
Exhaust Flow Rate (scfm): 2,800
Exhaust Temperature (°F): 960
Discharge Style: Vertical unobstructed
Authority for Requirement: DNR Construction Permit 94-A-094-S1

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP 14

Associated Equipment

Associated Emission Unit ID Number: EU 14

Emission Unit vented through this Emission Point: EU 14

Emission Unit Description: Boiler #2

Raw Material/Fuel: Natural Gas

Rated Capacity: 14.65 MMBtu/hr

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40%

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

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.8 lb/MMBtu

Authority for Requirement: 567 IAC 23.3(2)"b"(1)

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

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

Operational Limits & Requirements

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

Operating Limits

Process throughput:

1. The boiler is limited to using natural gas.

Authority for Requirement: 567 IAC 22.108(3)

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP 26

Associated Equipment

Associated Emission Unit ID Number: EU 26
Emissions Control Equipment ID Number: CE-26
Emissions Control Equipment Description: Baghouse

Emission Unit vented through this Emission Point: 26
Emission Unit Description: Wood Dust System #5 (Sander System)
Raw Material/Fuel: Wood
Rated Capacity: 1,506 mcf/hr (900 parts per 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-874-S2
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM₁₀)
Emission Limit(s): 1.5 lb/hr
Authority for Requirement: DNR Construction Permit 00-A-874-S2

Pollutant: Particulate Matter (PM)
Emission Limit(s): 1.5 lb/hr, 0.1 gr/scf
Authority for Requirement: DNR Construction Permit 00-A-874-S2
567 IAC 23.3(2)"a"

Operational Limits & Requirements

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

Operating Limits

Control equipment parameters:

1. Maintain Fabric Filter Dust Collector (CE 26) according to manufacturer specifications and maintenance schedule.

Reporting & Record keeping

All records as required below shall be satisfactory for demonstrating compliance with all applicable operating limits. Records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the DNR. These records shall show the following:

1. Maintain a record of all inspections/maintenance and any action resulting from the inspection/maintenance of Fabric Filter Dust Collector (CE 26).

Authority for Requirement: DNR Construction Permit 00-A-874-S2

Emission Point Characteristics

This emission point shall conform to the conditions listed below.

Stack Height, (ft, from the ground): 34

Stack Opening, (inches): 34 x 34

Exhaust Flow Rate (scfm): 25,100

Exhaust Temperature (°F): 70

Discharge Style: Horizontal

Authority for Requirement: DNR Construction Permit 00-A-874-S2

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

Monitoring Requirements

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

Stack Testing:

Pollutant - Particulate Matter (PM₁₀)

Stack Test to be Completed by – Within 60 days of Wood Dust System #5 Becoming
Operational

Test Method – 40 CFR 51, Appendix M, Method 201A with 202

Authority for Requirement - 567 IAC 22.108(3)

Pollutant - Particulate Matter (PM)

Stack Test to be Completed by – Within 60 days of Wood Dust System #5 Becoming
Operational

Test Method – 40 CFR 60, Appendix A, Method 5

40 CFR 51, Appendix M, Method 202

Authority for Requirement - 567 IAC 22.108(3)

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 or performance evaluation of a continuous emission monitor. 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

See Appendix A

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP 32

Associated Equipment

Associated Emission Unit ID Number: EU 32
Emissions Control Equipment ID Number: CE 32
Emissions Control Equipment Description: Baghouse

Emission Unit vented through this Emission Point: EU 32
Emission Unit Description: Wood Dust System #6
Raw Material/Fuel: Wood
Rated Capacity: 3,900 mcf/hr

Applicable Requirements

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

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

Pollutant: Opacity
Emission Limit(s): 40%⁽¹⁾
Authority for Requirement: DNR Construction Permit 07-A-1017
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM₁₀)
Emission Limit(s): 1.44 lb/hr
Authority for Requirement: DNR Construction Permit 07-A-1017

Pollutant: Particulate Matter (PM)
Emission Limit(s): 1.44 lb/hr, 0.1 gr/scf
Authority for Requirement: DNR Construction Permit 07-A-1017
567 IAC 23.3(2)"a"

Operational Limits & Requirements

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

Operating Limits

Control equipment parameters:

1. The permittee shall operate and maintain the fabric filter baghouse in accordance with the recommendations of the manufacturer.

Reporting & Record keeping

All records as required below shall be satisfactory for demonstrating compliance with all applicable operating limits. Records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the DNR. These records shall show the following:

1. The permittee shall maintain records on the maintenance performed on the fabric filter baghouse.
2. The permittee shall maintain records on the emissions testing performed on this emissions unit.
3. The permittee shall properly install, operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer’s recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a weekly basis.

Authority for Requirement: DNR Construction Permit 07-A-1017

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 28

Stack Opening, (inches, dia.): 54

Exhaust Flow Rate (scfm): 65,000

Exhaust Temperature (°F): 70

Discharge Style: Vertical unobstructed

Authority for Requirement: DNR Construction Permit 07-A-1017

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

See Appendix A

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Numbers: EP 53 & EP 54

Associated Equipment

Emission Point	Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Authority for Requirement
EP 53	EU 53	Surface Preparation Area	CE 53: Cyclone & Cartridge Filter	Wood	NA	DNR Construction Permit Number 10-A-266
EP 54	EU 54	Surface Preparation Area	CE 54: Cyclone & Cartridge Filter	Wood	NA	DNR Construction Permit Number 10-A-267

Applicable Requirements

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

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

Pollutant: Opacity

Emission Limit(s): 40%⁽¹⁾

Authority for Requirement: DNR Construction Permits 10-A-266 & 10-A-267
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM₁₀)

Emission Limit(s): 0.11 lb/hr

Authority for Requirement: DNR Construction Permits 10-A-266 & 10-A-267

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.11 lb/hr, 0.1 gr/dscf

Authority for Requirement: DNR Construction Permits 10-A-266 & 10-A-267
567 IAC 23.3(2)"a"

Operational Limits & Requirements

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

Operating Limits

Control equipment parameters:

1. The owner or operator shall maintain dry filters for this unit according manufacturers specifications and maintenance schedule.

Reporting & Record keeping

All records as required below shall be satisfactory for demonstrating compliance with all applicable operating limits. Records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the DNR. These records shall show the following:

1. Maintain a copy of the dust collector manufacturer's recommendation on the maintenance and operation of the dust collector.
2. Log all maintenance activities performed on the dust collector associated with emission point. 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 collector.

Authority for Requirement: DNR Construction Permits 10-A-266 & 10-A-267

Emission Point Characteristics

Each emission point shall conform to the specifications listed below.

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

Stack Opening, (inches, dia.): 16

Exhaust Flow Rate (scfm): 2,500

Exhaust Temperature (°F): Ambient

Discharge Style: Vertical unobstructed

Authority for Requirement: DNR Construction Permits 10-A-266 & 10-A-267

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No
(Required for CE 53 and CE 54)

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

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

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

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

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: EP CO

Associated Equipment

Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	Authority for Requirement
EU 29	Wood Dip/Dry – Frame In-Line	CE CO: Catalytic Oxidizer	Wood Treatment	125,000 gal/yr	91-A-327-S7
EU 30	Wood Dip/Dry – Sash In-Line				
EU 41	Wood Dip/Dry – Rail In-Line				
EU 42	Wood Dip/Dry – Stile/Still In-Line				
EU 43	Wood Dip/Dry – Head/Jamb In-Line				

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 91-A-327-S7
567 IAC 23.3(2)"d"

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

Pollutant: Particulate Matter (PM)

Emission Limit(s): 0.01 gr/scf

Authority for Requirement: DNR Construction Permit 91-A-327-S7
567 IAC 23.4(13)

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 102 tons/yr

Authority for Requirement: DNR Construction Permit 91-A-327-S7

Pollutant: Hazardous Air Pollutants (Total HAP)

Emission Limit(s): 0.48 lb HAP/gallon solids

Authority for Requirement: DNR Construction Permit 91-A-327-S7
567 IAC 23.1(4)"cq"
40 CFR 63 Subpart QQQQ

Operational Limits & Requirements

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

Operating Limits

Process throughput:

1. The VOC content of any preservative or solvent added to the dip tanks serving the 91-A-327-S7, and EU-43 shall not exceed 6.5 pounds per gallon.
2. The amount of preservative and solvent used in wood dip tanks EU-29, EU-30, EU-41, EU-42, and EU-43 shall not exceed 125,000 gallons in any rolling 12-month period.
3. The VOC emissions from EU-29, EU-30, EU-41, EU-42, and EU-43 and EP-CO shall not exceed 102 tons in any rolling 12-month period.
4. Wood Dip tanks EU-29, EU-30, EU-41, EU-42, and EU-43 shall be equipped with a permanent total enclosure that shall meet the requirements of Method 204 (Appendix M to 40 CFR Part 51). This requirement only applies to the area where the wood preservative chemicals are applied.

Control equipment parameters:

1. The destruction efficiency of the catalytic oxidizer shall be a minimum of 95% by weight.
2. The permittee shall maintain the inlet temperature of the main combustion chamber of the catalytic oxidizer between 630°F and 750°F.
3. The permittee shall inspect and maintain the catalytic oxidizer in accordance with the recommendations of the manufacturer.

Reporting & Record keeping

All records as required below shall be satisfactory for demonstrating compliance with all applicable operating limits. Records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the DNR. These records shall show the following:

1. The permittee shall record the identification, the VOC content, and the HAP content of any preservative or solvent used in the wood treatment tanks (EU-29, EU-30, EU-41, EU-42, and EU-43).
2. The permittee shall maintain the following monthly records:
 - a. The amount of preservative and solvent added to emissions units EU-29, EU-30, EU-41, EU-42, and EU-43 in gallons;
 - b. The rolling 12-month total amount of preservative and solvent added to wood dip tanks EU-29, EU-30, EU-41, EU-42, and EU-43 in gallons;
 - c. the total VOC emissions for EU-29, EU-30, EU-41, EU-42, EU-43 and EP-CO in tons. This shall be calculated using the following equation:

$$\text{VOC}_{\text{TOT}} = (\text{VOC}_{\text{USED}} \times .75 \times (1 - \text{DE})) + (\text{VOC}_{\text{USED}} \times .25)$$

Where:

VOC_{TOT} = VOC emission rate from wood dip tanks EU-29, EU-30, EU-41, EU-42, EU-43, and EP-CO in tons per month

VOC_{USED} = the amount of VOC used in the wood dip tanks EU-29, EU-30, EU-41, EU-42, and EU-43 in tons per month based on the monthly records on the amount of preservative and solvent used and their VOC content. The permittee can take credit for 10% of the VOC to be retained in the final wood product provided that records are maintained to support this claim. In that case, VOC_{USED} will be equal to the amount of VOC used in the tanks multiplied by 90%.

0.75 = assumed overall capture efficiency for the wood dip tanks EU-29, EU-30, EU-41, EU-42, and EU-43

DE = destruction efficiency of the catalytic incinerator, based on the most recent stack test accepted by the Iowa DNR - Air Quality Bureau

0.25 = assumed percent of VOC emissions for the wood dip tanks EU-29, EU-30, EU-41, EU-42, and EU-43 that are not captured

- d. the total VOC emission rate in tons for EU-29, EU-30, EU-41, EU-42, EU-43 and EP-CO on a rolling 12-month basis.
3. The permittee shall submit notifications as required by § 63.4710; the permittee shall submit required reports in accordance with § 63.4720.
4. The permittee shall maintain the necessary records in accordance with §63.4730 and §63.4731.
5. If using the Compliant Material Option to comply with the HAP limit, the permittee shall follow the requirements of §63.4740, §63.4741, and §63.4742.
6. If using the Emission Rate Without Add-on Control Option to comply with the HAP limit, the permittee shall follow the requirements of §63.4750, §63.4751, and §63.4752.
7. The permittee shall record the inlet temperature to the main combustion chamber to the catalytic oxidizer hourly.
8. The permittee shall maintain a record of the inspection and maintenance performed on the catalytic oxidizer.

Authority for Requirement: DNR Construction Permit 91-A-327-S7

Emission Point Characteristics

This emission point shall conform to the conditions listed below.

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

Stack Opening, (inches, dia.): 35

Exhaust Flow Rate (acfm): 7,500 – 20,000

Exhaust Temperature (°F): 350 -500

Discharge Style: Vertical unobstructed

Authority for Requirement: DNR Construction Permit 91-A-327-S7

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Compliance Assurance Monitoring for Catalytic Oxidizer for VOC Control

CATALYTIC OXIDIZER FOR VOC CONTROL

1. APPLICABILITY

- 1.1 Control Technology: Catalytic Oxidizer
- 1.2 Pollutants: Volatile organic compounds (VOC's)
- 1.3 Process Emissions Unit: Dip/Dry Units Wood Treatment Tanks
- 1.4 Applicable Regulation and Emission Limit
 - DNR Construction Permit: 91-A-327-S7
 - Emission Limit: Volatile Organic Compounds limited to 102 Tons/yr

2. MONITORING APPROACH DESCRIPTION

- 2.1 Parameters to be Monitored: Catalyst inlet gas stream temperatures between 553°F and 1000°F.
- 2.2 Rationale for Monitoring Approach
 - Catalyst inlet gas temperature: Allows determination of temperature of gas flowing into catalyst bed to ensure bed is maintained within the design temperature range to ensure 95% destruction efficiency.
 - Wood Dip Tanks EU 29, EU 30, EU 41, EU 42, and EU 43 shall be equipped with a permanent total enclosure that shall meet the requirements of Method 204 (Appendix M to 40 CFR Part 51).
 - Wood Dip Tanks EU 29, EU 30, EU 41, EU 42, and EU 43 are directly tied to the control unit EP-CO and cannot by-pass to the atmosphere.
- 2.3 Monitoring Location:
 - Inlet gas temperature: Inlet probe is secured prior to the air stream entering the catalytic bed.
- 2.4 Analytical Devices Required
 - Inlet temperatures: Thermocouples as appropriate for specific gas stream.
- 2.5 Data Acquisition and Measurement System Operation
 - Frequency of measurement: Recorded continuously on strip chart or data acquisition system. Monitored daily for temperatures outside operational parameters.
 - Reporting units: Degrees Fahrenheit (°F)
 - Recording process: Operators take readings and manually log data, or recorded automatically on strip chart or digital data acquisition system.
- 2.6 Data Requirements
 - Historical plant/chart records on catalyst inlet gas temperatures.
- 2.7 Specific QA/QC Procedures:
 - Calibrate, maintain and operate instrumentation using procedures that take into account manufacturer's specifications.
 - A stack test shall be conducted on the inlet and outlet to verify the 95% destruction efficiency. Such tests will be required every 3 years to verify performance rating on the oxidizers control efficiency technology.
 - The oxidizer shall be operated and maintained according to the manufacturers recommendations.
 - Verify Chart recorder calibration on an annual basis to verify accuracy.

3. Data Collection

3.1 Data Collection Frequency: Inlet temperature shall be measured continuously during the hours of operation of the oxidizer (EP-CO).

3.2 Collected temperature readings will be maintained on site for and available for inspection for a period of five years.

Emission Point ID Number: Surface App. (Uncaptured)

Associated Equipment

Associated Emission Unit ID Number: Surface Application

Emission Unit vented through this Emission Point: Surface App.
Emission Unit Description: Miscellaneous Chemicals, Surface Application
Raw Material/Fuel: Solvents, Sealants, Adhesives
Rated Capacity: NA

Applicable Requirements

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

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

No applicable requirements at this time.

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: Fugitive 1

Associated Equipment

Associated Emission Unit ID Number: Fugitive 1

Emission Unit vented through this Emission Point: Fugitive 1
Emission Unit Description: Solvent Based Parts Washer
Raw Material/Fuel: Solvents
Rated Capacity: NA

Applicable Requirements

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

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

No applicable requirements at this time.

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: Fugitive 2

Associated Equipment

Associated Emission Unit ID Number: Fugitive 2

Emission Unit vented through this Emission Point: Fugitive 2

Emission Unit Description: Sealant Application

Raw Material/Fuel: Sealants

Rated Capacity: NA

Applicable Requirements

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

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

No applicable requirements at this time.

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: Group 1 Emission Units

Associated Equipment

Table: Group 1 Emission Units

Emission Point	Emission Unit	Emission Unit Description	Control Equipment	Raw Material	Rated Capacity	DNR Construction Permit Number
EP 1B1	EU 1B	Wood Paint Line, Dryer/Oven	NA	Electricity	NA	01-A-862-S1
EP 1B2						12-A-178
EP 1B3						12-A-179
EP 1B4						12-A-180
EP 33	EU 33	Primer Oven #1	NA	Electricity	NA	06-A-1034-S3
EP 34	EU 34	Topcoat Oven #2	NA	Electricity	NA	06-A-1035-S3
EP 35	EU 35	Primer Oven #3	NA	Electricity	NA	06-A-1036-S3
EP 36	EU 36	Topcoat Oven #4	NA	Electricity	NA	06-A-1037-S3
EP 44	EU 44	1/2 Auto Prefinish Booth	CE 44: Dry Filters	Paints/ Solvents	22.4 gal/hr total (4 guns)	10-A-257-S1
EP 45	EU 45	1/2 Auto Prefinish Booth	CE 45: Dry Filters	Paints/ Solvents	22.4 gal/hr total (4 guns)	10-A-258-S1
EP 46	EU 46	1/2 Auto Prefinish Booth	CE 46: Dry Filters	Paints/ Solvents	22.4 gal/hr total (4 guns)	10-A-259-S1
EP 47	EU 47	1/2 Auto Prefinish Booth	CE 47: Dry Filters	Paints/ Solvents	22.4 gal/hr total (4 guns)	10-A-260-S1
EP 48	EU 48	Manual Prefinish Oven	NA	Electricity	NA	10-A-261-S1
EP 49	EU 49	Prefinish Oven	NA	Electricity	NA	10-A-262-S1
EP 50	EU 50	Prefinish Oven	NA	Electricity	NA	10-A-263-S1
EP 51	EU 51	Prefinish Oven	NA	Electricity	NA	10-A-264-S1
EP 52	EU 52	Manual Spray Booth	CE 52: Dry Filters	Paints/ Solvents	5.6 gal/hr (1 gun)	10-A-265-S1
EP 56	EU 56	Accessory Spray Booth	CE 56 Dry Filters	Paints/ Solvents	30 gal/hr total (5 guns)	12-A-171
EP 57	EU 57	1/2 Auto Prefinish Booth	CE 57 Dry Filters	Paints/ Solvents	30 gal/hr total (5 guns)	12-A-172
EP 58	EU 58	1/2 Auto Prefinish Booth	CE 58 Dry Filters	Paints/ Solvents	30 gal/hr total (5 guns)	12-A-173
EP 59	EU 59	1/2 Auto Prefinish Booth	CE 59 Dry Filters	Paints/ Solvents	30 gal/hr total (5 guns)	13-A-545
EP 60	EU 60	1/2 Auto Prefinish Booth	CE 60 Dry Filters	Paints/ Solvents	30 gal/hr total (5 guns)	13-A-546

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.

Emission Point	Opacity (567 IAC 23.3(2)"d")	Particulate Matter (PM_{2.5}) (lb/hr)	Particulate Matter (PM₁₀) (lb/hr)	Particulate Matter (PM)	Authority for Requirement
EP 44	40% ⁽¹⁾	NA	0.12	0.12 lb/hr 0.01 gr/dscf	DNR Construction Permit 10-A-257-S1 567 IAC 23.4(13)
EP 45	40% ⁽¹⁾	NA	0.12	0.12 lb/hr 0.01 gr/dscf	DNR Construction Permit 10-A-258-S1 567 IAC 23.4(13)
EP 46	40% ⁽¹⁾	NA	0.12	0.12 lb/hr 0.01 gr/dscf	DNR Construction Permit 10-A-259-S1 567 IAC 23.4(13)
EP 47	40% ⁽¹⁾	NA	0.12	0.12 lb/hr 0.01 gr/dscf	DNR Construction Permit 10-A-260-S1 567 IAC 23.4(13)
EP 52	40% ⁽¹⁾	NA	0.60	0.60 lb/hr 0.01 gr/dscf	DNR Construction Permit 0-A-265-S1 567 IAC 23.4(13)
EP 56	40% ⁽¹⁾	NA	0.12	0.12 lb/hr 0.01 gr/dscf	DNR Construction Permit 12-A-171 567 IAC 23.4(13)
EP 57	40% ⁽¹⁾	NA	0.12	0.12 lb/hr 0.01 gr/dscf	DNR Construction Permit 12-A-172 567 IAC 23.4(13)
EP 58	40% ⁽¹⁾	NA	0.12	0.12 lb/hr 0.01 gr/dscf	DNR Construction Permit 12-A-173 567 IAC 23.4(13)
EP 59	40% ⁽²⁾	0.12	0.12	0.12 lb/hr 0.01 gr/dscf	DNR Construction Permit 13-A-545 567 IAC 23.4(13)
EP60	40% ⁽²⁾	0.12	0.12	0.12 lb/hr 0.01 gr/dscf	DNR Construction Permit 13-A-546 567 IAC 23.4(13)

⁽¹⁾ If visible emissions are observed 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).

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

For all units listed in Table: Group 1 Emission Units

Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 35.1 tons/yr

Authority for Requirement: DNR Construction Permits listed in Table: Group 1 Emission Units

Pollutant: Hazardous Air Pollutants (Total HAP)

Emission Limit(s): 0.48 lb HAP/gallon solids

Authority for Requirement: DNR Construction Permits listed in Table: Group 1 Emission Units
40 CFR Part 63 Subpart QQQQ
567 IAC 23.1(4)"cq"

Operational Limits & Requirements

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

Operating Limits for EU 1B, EU 33, EU34, EU 35, EU 36, EU 48, EU49, EU 50, EU 51

Process throughput:

A. This oven shall only be heated by converting electrical energy into heat.

Control Equipment Parameters:

B. The owner or operator shall operate and maintain this spray booth according to the provision in 40 CFR §63.6(e)(1)(i) as per the compliance requirements of 40 CFR §63.4700(b).

Authority for Requirement: DNR Construction Permits 01-A-862-S1, 12-A-178, 12-A-179, 12-A-180, 06-A-1034-S3, 06-A-1035-S3, 06-A-1036-S3, 06-A-1037-S3, 10-A-261-S1, 10-A-262-S1, 10-A-263-S1, 10-A-264-S1

Operating Limits for EU 44, EU 45, EU 46, and EU 47

Process throughput:

A. The owner or operator is limited to using no more than four spray guns with a maximum capacity of 22.4 gallons per hour in this spray booth.

Control Equipment Parameters:

B. The owner or operator shall maintain dry filters for this spray booth according manufacturers specifications and maintenance schedule.

Authority for Requirement: DNR Construction Permits 10-A-257-S1, 10-A-258-S1, 10-A-259-S1, 10-A-260-S1

Operating Limits for EU 52

Process throughput:

A. The owner or operator is limited to using no more than one spray gun with a maximum capacity of 5.6 gallons per hour in this spray booth.

Control Equipment Parameters:

B. The owner or operator shall maintain dry filters for this spray booth according manufacturers specifications and maintenance schedule.

Authority for Requirement: DNR Construction Permit 10-A-265-S1

Operating Limits for EU 56, EU 57, and EU 58

Process throughput:

- A. The owner or operator is limited to using no more than five spray guns with a maximum capacity of 30 gallons per hour in this spray booth.

Control Equipment Parameters:

- B. The owner or operator shall maintain dry filters for this spray booth according manufacturers specifications and maintenance schedule.

Authority for Requirement: DNR Construction Permits 12-A-171, 12-A-172. 12-A-173

Operating Limits for EU 59 and EU 60

Process throughput:

- A. The permittee is limited to using no more than 5 spray guns simultaneously with a maximum total capacity of 30 gallons per hour in the ½ Auto Pre-Finish Booth (EU-60).
- B. The permittee shall limit emissions of hazardous air pollutants (HAP) from the ½ Auto Pre-Finish Booth (EU-60) to no more than 0.48 pounds per gallon of solids used in this spray booth in accordance with 40 CFR §63.4690.
- C. The permittee shall operate and maintain the ½ Auto Pre-Finish Booth (EU-60) according to the provision in 40 CFR §63.6(e)(1)(i) as per the compliance requirements of 40 CFR §63.4700(b).

Control Equipment Parameters:

- D. The permittee shall maintain dry filters for the ½ Auto Pre-Finish Booth (EU-60) according to the manufacturer’s specifications and maintenance schedule.

Authority for Requirement: DNR Construction Permits 13-A-545, 13-A-546

Operating Limits for all units listed in Table: Group 1 Emission Units

A. The following emission units will collectively be referred to as Group 1 for the purposes of this permit: Paint Oven (EU1B), Spray Booth #1 (EU-17)*, Spray Booth #4 (EU-23)*, Primer Oven #1 (EU-33), Topcoat Oven #2 (EU-34), Primer Oven #3 (EU-35), Topcoat Oven #4 (EU-36), ½ Auto Prefinish Booth (EU44), ½ Auto Prefinish Booth (EU45), ½ Auto Prefinish Booth (EU46), ½ Auto Prefinish Booth (EU47), Manual Prefinish Oven (EU 48), Prefinish Oven (EU 49), Prefinish Oven (EU 50), Prefinish Oven (EU 51), Manual Spray Booth (EU52), ½ Auto Prefinish Booth (EU56), ½ Auto Prefinish Booth (EU57), ½ Auto Prefinish Booth (EU58), ½ Auto Prefinish Booth (EU59), ½ Auto Prefinish Booth (EU60).

*Units are no longer in service and the construction permits have been rescinded.

Process throughput:

- A. The total amount of materials (coating, primer, adhesive, solvent, etc.) containing Volatile Organic Compounds (VOC) used in the emission units in Group 1 shall not exceed 60,000 gallons per twelve-month rolling period.
- B. The VOC content of the materials (coating, primer, adhesive, solvent, etc.) used in any of the emission units in Group 1 shall not exceed 1.17 pounds per gallon.

Authority for Requirement: DNR Construction Permits listed in Table: Group 1 Emission Units

Reporting & Record keeping

All records as required below shall be satisfactory for demonstrating compliance with all applicable operating limits. Records shall be maintained on site for five (5) years and available for inspection upon request by representatives of the DNR. These records shall show the following:

Reporting & Record keeping for EU 1B, EU 44, EU 45, EU 46, EU47, EU 52, EU 56, EU 57, and EU 58

- A. The owner or operator shall maintain a specification sheet for any spray gun used in the paint booth to verify the capacity of the spray guns.
- B. The owner or operator shall maintain a record of all inspections/maintenance and any action resulting from the inspection/maintenance of dry filters.

Authority for Requirement: DNR Construction Permits 01-A-862-S1, 12-A-178, 12-A-179, 12-A-180, 10-A-257-S1, 10-A-258-S1, 10-A-259-S1, 10-A-260-S1, 12-A-171-, 12-A-172, and 12-A-173

**Reporting and Record keeping for all units listed in Table: Group 1 Emission Units except
EU 59 and EU 60**

- A. The owner or operator shall calculate and record the monthly total and the 12-month rolling total amount of VOC-containing materials (coating, primer, adhesive, solvent, etc.) used in the emission units in Group 1.
- B. The owner or operator shall keep records on the identification and the VOC content of all VOC-containing materials (coating, primer, adhesive, solvent, etc.) used in any of the emission units in Group 1, in pounds per gallon.
- C. The owner or operator shall maintain manufacturer/vendor provided information (i.e., Material Safety Data Sheets (MSDS), technical data sheets, etc.) of all materials used in the emission units in Group 1, which clearly indicates the VOC content of that material.
- D. The owner or operator shall meet all the applicable requirements of 40 CFR Part 63, Subpart QQQQ, National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products, including those not specifically mentioned in this permit. In differences in language between this permit and Subpart QQQQ-National Emission Standards for Hazardous Air Pollutants Surface Coating of Wood Building Product, the language specified in Subpart QQQQ shall be considered correct. The facility is also subject to 40 CFR Part 63, Subpart A – General Provisions as specified in 40 CFR §63.4701.
- E. As specified in 40 CFR Part 63 §63.4691, Pella Corporation must include all coating, thinners, and cleaning materials used in an affected source when determining whether organic HAP emission rate is equal to or less than applicable emission limit of 0.48 lb HAP/gallon Solids. To make this determination, Pella Corporation must use at least one of the three compliance options listed in paragraphs (a) through (c) of §63.4691, i.e. Compliant Material Option, Emission Rate Without Add-on Controls Option, and Emission Rate With Add-on Controls.
 - a. If Pella Corporation would like to implement Emission Rate with Add-on Controls option as specified in §63.4691(c), Pella Corporation must submit a request to the Department to modify this permit.
 - b. Pella Corporation may apply any of the compliance options to an individual coating or to multiple coating operations as a group or the entire affected source in accordance with the requirements specified in §63.4691.
 - c. Pella Corporation may use different compliance options for different coating operations or at different times on the same coating operation in accordance with the requirements specified in §63.4691.
 - d. Pella Corporation may not use different compliance options at the same time on the same coating operation in accordance with the requirements specified in §63.4691.

Compliant Material Option: If Pella Corporation chooses the *Compliant Material Option*, Pella Corporation must comply with the following requirements specified in F through H below and requirements specified in 40 CFR Part 63 §63.4740, §63.4741, and §63.4742.

- F. As specified in 40 CFR Part 63, §63.4740 and §63.4742(a), to demonstrate compliance for each compliance period, Pella Corporation must use no coating in an affected source for which the organic HAP content determined using Equation 2 of §63.4741 exceeds 0.48 lb HAP/gallon Solids and use no thinner or cleaning material that contains organic HAP, determined according to §63.4741(a). A compliance period consists of 12 months. The initial compliance period for affected sources is the end of the first month in which this permit is issued. Each month after the end of the initial compliance period is the end of a compliance period consisting of that month and the preceding 11 months.

- G. As specified in 40 CFR Part 63 §63.4741, in demonstrating initial compliance of an affected source with the emission limit of 0.48 lb HAP/gallon Solids, Pella Corporation must comply with the following conditions:
- a. Determine the mass fraction of organic HAP for each coating, thinner, and cleaning agent used during the compliance period according to the requirements specified in §63.4741(a).
 - b. Determine the volume fraction of coating solids for each coating used during the compliance period according to the requirements specified in §63.4741(b).
 - c. Determine the density of each coating used during the compliance period from test results using ASTM Method D1475-90 or information from the supplier or manufacturer of the material according to the requirements specified in §63.4741(c).
 - d. Calculate the organic HAP content, lbs organic HAP per gallon coating solids, of each coating used during the compliance period according to requirements in §63.4741(d).
- H. As specified in 40 CFR Part 63 §63.4742(b), the use of any coating, thinner, or cleaning material that does not meet criteria specified in Condition F above is a deviation from the emission limitations that must be reported as specified in 40 CFR Part 63 §63.4710(c)(6) and §634720(a)(6).

Emission Rate Without Add-on Controls Option: If Pella Corporation chooses the *Emission Rate Without Add-on Controls Option*, Pella Corporation must comply with the following requirements specified in conditions I through K and requirements specified in 40 CFR Part 63 §63.4750, §63.4751, and §63.4752.

- I. As specified in 40 CFR Part 63 §63.4752(a), to demonstrate compliance, the organic HAP emission rate for each compliance period, calculated using Equation 3 of §63.4751, must be less than or equal to 0.48 lb HAP/gallon solids from affected sources. A compliance period consists of 12 months. The initial compliance period for affected sources is the end of the first month in which this permit is issued. Each month after the end of the initial compliance period is the end of a compliance period consisting of that month and the preceding 11 months. You must perform the calculations in §63.4751(a) through (g) on monthly basis using the data from the previous 12 months of operation.
- J. As specified in 40 CFR Part 63 §63.4751, in demonstrating initial compliance of affected sources with applicable emission limit of 0.48 lb HAP/gallon solids, Pella Corporation must comply with the following conditions:
- a. Determine the mass fraction of organic HAP for each coating, thinner, and cleaning agent used during each month according to the requirements specified in §63.4751(a).
 - b. Determine the volume fraction of coating solids for each coating used during each month according to the requirements specified in §63.4751(b).
 - c. Determine the density of each coating, thinner, and cleaning material used during each month from test results using ASTM Method D1475-90, information from the supplier or manufacturer of the material, or reference sources providing density or specific gravity data of pure materials according to the requirements specified in §63.4751(c).
 - d. Determine the volume (gallons) of each coating, thinner, and cleaning material used during each month by measurement or usage records according to the requirements specified in §63.4751(d).
 - e. Calculate the mass of organic HAP emissions according to the requirements specified in §63.4751(e). The mass of organic HAP emissions is the combined mass of organic HAP contained in all coating, thinners, and cleaning materials used during each month minus the organic HAP in certain waste materials.

If owner/operator chooses to account for the mass of organic HAP contained in the waste materials sent or designated for shipment to a hazardous waste TSD in Equation 1 of §63.4751(e), then the owner/operator must determine it according to paragraphs (e)(4)(i) through (iv) of §63.4751(e)(4).

- f. Determine the total volume of coating solids used which is the combined volume of coating solids for all coating used during each month according to the requirements specified in §63.4751(f).
- g. Calculate the organic HAP emission rate for the 12-month compliance period, lbs organic HAP per gallon coating solids used according to the requirements specified in §63.4751(g).

K. As specified in 40 CFR Part 63 §63.4752(b), if the organic HAP emission rate for any 12-month compliance period exceeded the emission limit of 0.48 lb HAP/gallon solids, this is a deviation from the emission limitations for that compliance period and must be reported as specified in 40 CFR Part 63 §63.4710(c)(6) and §63.4720(a)(6).

L. The owner or operator must maintain all applicable records required by 40 CFR Part 63, Subpart QQQQ, National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products, as specified in 40 CFR Part 63 §63.4730 and §63.4731. This includes the following records and documentation:

- 1) A current copy of information provided by materials suppliers or manufactures, such as manufacture's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner, and cleaning material and the volume fraction of coating solids for each coating. If testing was conducted to determine mass fraction of organic HAP, density, or volume fraction of coating solids, the owner or operator must keep a copy of the complete test report. If information is provided by the manufacturer or supplier of the material that was based on testing the summary sheet of results must be kept. The owner or operator is not required to obtain the test report or other supporting documentation from the manufacturer or supplier.
- 2) For each compliance period:
 - i. A record of the coating operations at which you used each compliance option and the time periods (beginning and ending dates and times) you used each option.
 - ii. For the Compliant Material Option, a record of the calculation of the organic HAP content for each coating, using Equation 2 of §63.4741.
 - iii. For the Emission Rate Without Add-on Controls Option, a record of the calculation of the total mass of organic HAP emissions for the coatings, thinners, and cleaning materials used each month, using Equations 1, 1A through 1C, and 2 of §63.4751; and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to §63.4751(e)(4); the calculation of the total volume of coating solids used each month, using Equation 2 of §63.4751; and the calculation of each 12-month organic HAP emission rate, using Equation 3 of §63.4751.
 - iv. A record of the name and volume of each coating, thinner, and cleaning material used during each compliance period.
- 3) A record of the mass fraction of organic HAP for each coating, thinner, and cleaning material used during each compliance period.
- 4) A record of the volume fraction of coating solids for each coating used during each compliance period.
- 5) A record of the density for each coating used during each compliance period; and, if either the Emission Rate Without Add-on Controls Option or the Emission Rate With Add-on

Controls Option is used, the density for each thinner and cleaning material used during each compliance period.

Authority for Requirement: DNR Construction Permits DNR Construction Permits listed in Table: Group 1 Emission Units except 13-A-545, 13-A-546
40 CFR Part 63 Subpart QQQQ
567 IAC 23.1(4)"cq"

Reporting & Record keeping for EU 59 and EU 60

- A. The permittee shall maintain a specification sheet for any spray gun used in the ½ Auto Pre-Finish Booths (EU-59, EU-60) to verify the capacity of the spray guns.
- B. The permittee shall maintain a record of all inspections and maintenance and any action resulting from the inspection and maintenance of the dry filters used to control particulate matter emissions from the ½ Auto Pre-Finish Booths (EU-59, EU-60).
- C. The permittee shall calculate and record the monthly total and the 12-month rolling total amount of VOC-containing materials (coating, primer, adhesive, solvent, etc.) used in the emission units in Group 1.
- D. The permittee shall maintain monthly records on the identification and on the VOC content, in pounds per gallon, of all VOC-containing materials (coating, primer, adhesive, solvent, etc.) used in the emission units in Group 1.
- E. The permittee shall maintain manufacturer and vendor provided information (*i.e.*, Safety Data Sheets (SDS), technical data sheets, etc.) of all materials used in the emission units in Group 1. This information shall clearly indicate the VOC content of the material.
- F. The permittee shall meet all the applicable requirements of 40 CFR Part 63, Subpart QQQQ – *National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products*, including those not specifically mentioned in this permit. If differences in language are found between this permit and Subpart QQQQ, the language specified in Subpart QQQQ shall be considered correct.
- G. As specified in 40 CFR §63.4691, the permittee must include all coatings, thinners, and cleaning materials used in the ½ Auto Pre-Finish Booth (EU-59) when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit of 0.48 lb HAP/gal solids. To make this determination, the permittee must use at least one of the three compliance options listed in paragraphs (a) through (c) of 40 CFR §63.4691, *i.e.*, the **Compliant Material Option**, the **Emission Rate Without Add-on Controls Option**, or the **Emission Rate With Add-on Controls**.
- H. The permittee may use the **Compliant Material Option** as specified in 40 CFR §63.4691(a) or the **Emission Rate Without Add-on Controls Option** as specified in 40 CFR §63.4691(b); however, if the permittee would like to implement the **Emission Rate With Add-on Controls Option** as specified in 40 CFR §63.4691(c), the permittee must submit a request to the Department to modify this permit.
- I. The permittee may apply any of the compliance options allowed by this permit to an individual coating operation, or to multiple coating operations as a group, or to the entire affected source in accordance with the requirements specified in 40 CFR §63.4691.
- J. The permittee may use different compliance options for different coating operations or at different times on the same coating operation in accordance with the requirements in 40 CFR §63.4691.
- K. The permittee may not use different compliance options at the same time on the same coating operation in accordance with the requirements specified in 40 CFR §63.4691.
- L. If the permittee chooses to use the **Compliant Material Option**, the permittee must comply with the following requirements and with the requirements as specified in 40 CFR §63.4740, §63.4741,

and §63.4742.

- (1) As specified in 40 CFR §63.4740, the permittee must complete the initial compliance demonstration for the initial compliance period according to the requirements in 40 CFR §63.4741. The initial compliance demonstration includes the calculations according to 40 CFR §63.4741 and supporting documentation showing that during the initial compliance period, the permittee used no coating with an organic HAP content that exceeded the applicable emission limit of 0.48 lb/gal solids and that no thinners or cleaning materials that contained organic HAP were used during this initial compliance period. A compliance period consists of 12 months. The initial compliance period for the ½ Auto Pre-Finish Booth (EU-59) begins on the date of its initial startup and ends on the last day of the 12th month following the initial startup date.
- (2) **To demonstrate initial compliance** with the applicable emission limit of 0.48 lb HAP/gal solids using the *Compliant Material Option*, the permittee shall use the following procedure:
 - i. Determine the *mass fraction* of organic HAP for each coating, thinner, and cleaning agent used during the compliance period according to the requirements in 40 CFR §63.4741(a).
 - ii. Determine the *volume fraction* of coating solids for each coating used during the compliance period according to the requirements in 40 CFR §63.4741(b).
 - iii. Determine the *density* of each coating used during the compliance period from test results using ASTM Method D1475-90 or information from the supplier or manufacturer of the material according to the requirements specified in 40 CFR §63.4741(c).
 - iv. Calculate the organic HAP content, in pounds of organic HAP per gallon of solids, for each coating used during the compliance period, using Equation 2 as specified in 40 CFR §63.4741(d).
- (3) **To demonstrate continuous compliance** with the applicable emission limit of 0.48 lb HAP/gal solids using the *Compliant Material Option*, the permittee shall use no coating for which the organic HAP content determined using Equation 2 of 40 CFR §63.4741(d) exceeds 0.48 lb/gal solids and use no thinner or cleaning material that contains organic HAP for each compliance period. A compliance period consists of 12 months. Each month after the end of the initial compliance period is the end of a compliance period consisting of that month and the preceding 11 months.
- (4) As specified in 40 CFR §63.4742(b), the use of any coating, thinner, or cleaning material that does not meet the criteria specified in Paragraph (3) of Condition 15 (N) of this permit is a deviation from the emission limitations that must be reported as specified in 40 CFR §63.4710(c)(6) and 40 CFR §63.4720(a)(5).

M. If the permittee chooses to use the *Emission Rate Without Add-on Controls Option*, the permittee must comply with the following requirements and with the requirements as specified in 40 CFR §63.4750, §63.4751, and §63.4752.

- (1) As specified in 40 CFR §63.4750, the permittee must complete the initial compliance demonstration for the initial compliance period according to the requirements in 40 CFR §63.4751. The initial compliance demonstration includes the calculations according to 40 CFR §63.4751 and supporting documentation showing that during the initial compliance period, the organic HAP emission limit was equal to or less than 0.48 lb/gal solids. A compliance period consists of 12 months. The initial compliance period for the ½ Auto Pre-Finish Booth (EU-59) begins on the date of its initial startup and ends on the last day of the 12th month following the initial startup date.
- (2) **To demonstrate initial compliance** with the applicable emission limit of 0.48 lb HAP/gal

solids using the ***Emission Rate Without Add-on Controls Option***, the permittee shall use the following procedure:

- i. Determine the *mass fraction* of organic HAP for each coating, thinner, and cleaning agent used during each month according to the requirements in 40 CFR §63.4751(a).
- ii. Determine the *volume fraction* of coating solids for each coating used during each month according to the requirements in 40 CFR §63.4751(b).
- iii. Determine the *density* of each coating used during each month from test results using ASTM Method D1475-90 or information from the supplier or manufacturer of the material, or reference sources providing density or specific gravity data for pure materials according to the requirements specified in 40 CFR §63.4751(c).
- iv. Determine the *volume* of each coating, thinner, and cleaning material used during each month by measurement or usage records according to the requirements in 40 CFR §63.4751(d).
- v. Calculate the *mass* of organic HAP emissions using Equation 1 as indicated in 40 CFR §63.4751(e). The mass of organic HAP emissions is the combined mass of organic HAP contained in all coatings, thinners, and cleaning materials used during each month minus the organic HAP in certain waste materials. If the permittee chooses to account for the mass of organic HAP contained in waste materials sent or designated for shipment to a hazardous waste treatment, storage, and disposal facility (TSDF) in Equation 1 of 40 CFR §63.4751(e), then the permittee must determine it according to 40 CFR §63.4751(e)(4)(i) through 40 CFR §63.4751(e)(4)(iv).
- vi. Determine the *total volume* of coating solids used which is the combined volume of coating solids for all coating solids for all the coatings used during each month, using Equation 2 as specified in 40 CFR §63.4751(f).
- vii. Calculate the organic HAP emission rate, in pounds of organic HAP per gallon of coating solids used, for the 12-month compliance period using Equation 3 as specified in 40 CFR §63.4751(g).

(3) **To demonstrate continuous compliance** with the applicable emission limit of 0.48 lb HAP/gal solids using the ***Emission Rate Without Add-on Controls Option***, the organic HAP emission limit, calculated using Equation 3 as specified in 40 CFR §63.4751(g), must be equal to or less than 0.48 lb/gal solids for each compliance period. A compliance period consists of 12 months. Each month after the end of the initial compliance period is the end of a compliance period consisting of that month and the preceding 11 months. The permittee must perform the calculations specified in 40 CFR §63.4751(a) through 40 CFR §63.4751(g) on a monthly basis using data from the previous 12 months of operation.

(4) As specified in 40 CFR §63.4752(b), if the organic HAP emission limit for any 12-month compliance period exceeds the applicable emission limit of 0.48 lb HAP/gal solids, this is a deviation from the emission limitations for that compliance period and must be reported as specified in 40 CFR §63.4710(c)(6) and 40 CFR §63.4720(a)(6).

N. The permittee shall provide all applicable notifications and reports as required by 40 CFR §63.4710 and 40 CFR §63.4720.

O. The permittee shall maintain records as specified in 40 CFR §63.4730. This includes, but it is not limited to, the following records and documentation:

- (1) A current copy of information provided by material suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density of each coating, thinner, and cleaning material and the volume fraction of coating solids for each coating. If testing was conducted to determine mass fraction of organic HAP, density, or volume fraction of coating solids, the permittee must keep a copy

of the complete test report. If the information provided by the manufacturer or supplier of the material was based on testing, the permittee must keep the summary sheet of results provided by the manufacturer or supplier. The permittee is not required to obtain the test report or other supporting documentation from the manufacturer or supplier.

- (2) For each compliance period:
 - i. A record of the coating operations at which the permittee used each compliance option and the time periods (beginning and ending dates and times) that each option was used.
 - ii. For the **Compliant Material Option**, a record of the calculation of the organic HAP content for each coating, using Equation 2 as specified in 40 CFR §63.4741.
 - iii. For the **Emission Rate Without Add-on Controls Option**, a record of the calculation of the total mass of organic HAP emissions for the coatings, thinners, and cleaning materials used each month, using Equations 1, 1A through 1C, and 2 as specified in 40 CFR §63.4751; and, if applicable, the calculation used to determine the mass of organic HAP in waste materials according to 40 CFR §63.4751(e)(4); the calculation of the total volume of coating solids used each month, using Equation 2 as specified in 40 CFR §63.4751; and the calculation of each 12-month organic HAP emission rate, using Equation 3 as specified in 40 CFR §63.4751.
- (3) A record of the name and volume of each coating, thinner, and cleaning material used during each compliance period.
- (4) A record of the mass fraction of organic HAP for each coating, thinner, and cleaning material used during each compliance period.
- (5) A record of the volume fraction of coating solids for each coating used during each compliance period.
- (6) A record of the density for each coating used during each compliance period; and if the permittee uses the **Emission Rate Without Add-on Controls Option**, a record of the density for each thinner and cleaning material used during each compliance period.
- (7) If the permittee uses an allowance in Equation 1 of 40 CFR §63.4751 for organic HAP contained in waste materials sent to or designated for shipment to a TSDF according to 40 CFR §63.4751(e)(4), the permittee must keep records of the information as specified in 40 CFR §63.4730(h)(1) through 40 CFR §63.4730(h)(3).
- (8) Records of the date, time, and duration of each deviation.

Authority for Requirement: DNR Construction Permits 13-A-545, 13-A-546
 40 CFR Part 63 Subpart QQQQ
 567 IAC 23.1(4)"cq"

Emission Point Characteristics

These emission points shall conform to the conditions listed below.

Emission Point	Stack Height, (ft, from the ground)	Stack Opening, (inches, dia.)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style	Authority for Requirement
EP 1B1	27' 6"	6	100-300	120	Vertical Obstructed	01-A-862-S1
EP 1B2	27' 6"	6	100-300	120	Vertical Obstructed	12-A-178
EP 1B3	27' 6"	6	400-1000	120	Vertical Obstructed	12-A-179

Emission Point	Stack Height, (ft, from the ground)	Stack Opening, (inches, dia.)	Exhaust Flow Rate (scfm)	Exhaust Temperature (°F)	Discharge Style	Authority for Requirement
EP 1B4	27' 6"	6	400-1000	120	Vertical Obstructed	12-A-180
EP 33	32	16	1,500	150	Vertical Unobstructed	06-A-1034-S3
EP 34	32	16	1,500	150	Vertical Unobstructed	06-A-1035-S3
EP 35	31	16	1,500	150	Vertical Unobstructed	06-A-1036-S3
EP 36	31	16	1,500	150	Vertical Unobstructed	06-A-1037-S3
EP 44	33	14	1,700-3,000	Ambient	Vertical Unobstructed	10-A-257-S1
EP 45	33	14	1,700-3,000	Ambient	Vertical Unobstructed	10-A-258-S1
EP 46	33	14	1,700-3,000	Ambient	Vertical Unobstructed	10-A-259-S1
EP 47	33	14	1,700-3,000	Ambient	Vertical Unobstructed	10-A-260-S1
EP 48	33	8	900	130	Vertical Unobstructed	10-A-261-S1
EP 49	33	10	1,500	130	Vertical Unobstructed	10-A-262-S1
EP 50	33	10	1,500	130	Vertical Unobstructed	10-A-263-S1
EP 51	33	10	1,500	130	Vertical Unobstructed	10-A-264-S1
EP 52	33	36	10,000-14,000	Ambient	Vertical Unobstructed	10-A-265-S1
EP 56	33	14	500-1,500	Ambient	Vertical Unobstructed	12-A-171
EP 57	33	14	500-1,500	Ambient	Vertical Unobstructed	12-A-172
EP 58	33	14	500-1,500	Ambient	Vertical Unobstructed	12-A-173
EP 59	33	16	500-1,500	70	Vertical Unobstructed	13-A-545
EP 60	33	16	500-1,500	70	Vertical Unobstructed	13-A-546

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

Monitoring Requirements

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

Agency Approved Operation & Maintenance Plan Required? Yes No
(Required for CE 44, CE45, CE 46, CE 47, CE 52, CE 56, CE57, CE58, CE59, and CE60)

Facility Maintained Operation & Maintenance Plan Required? Yes No

Compliance Assurance Monitoring (CAM) Plan Required? Yes No

Authority for Requirement: 567 IAC 22.108(3)

Paint Booth Agency Operations & 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)

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, 7900 Hickman Rd, Suite #1, Windsor Heights, Iowa 50324, two copies (three if your facility is located in Linn or Polk county) of a complete permit application, at least 6 months but not more than 18 months prior to the date of permit expiration. An additional copy must also be sent to U.S. EPA Region VII, Attention: Chief of Air Permits, 11201 Renner Blvd., Lenexa, KS 66219. Additional copies to local programs or EPA are not required for application materials submitted through the electronic format specified by the Department. The application must include all emission points, emission units, air pollution control equipment, and monitoring devices at the facility. All emissions generating activities, including fugitive emissions, must be included. The definition of a complete application is as indicated in *567 IAC 22.105(2)*. *567 IAC 22.105*

G3. Certification Requirement for Title V Related Documents

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

G4. Annual Compliance Certification

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

G5. Semi-Annual Monitoring Report

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

G6. Annual Fee

1. The permittee is required under subrule 567 IAC 22.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
3. The following forms shall be submitted annually by March 31 documenting actual emissions for the previous calendar year.
 - a. Form 1.0 "Facility Identification";
 - b. Form 4.0 "Emissions unit-actual operations and emissions" for each emission unit;
 - c. Form 5.0 "Title V annual emissions summary/fee"; and
 - d. Part 3 "Application certification."
4. The fee shall be submitted annually by July 1. The fee shall be submitted with the following forms:
 - a. Form 1.0 "Facility Identification";
 - b. Form 5.0 "Title V annual emissions summary/fee";
 - c. Part 3 "Application certification."
5. If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.
6. Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.
7. The fee for a portable emissions unit or stationary source which operates both in Iowa and out of state shall be calculated only for emissions from the source while operating in Iowa.

8. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 22.115(1)"d".

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

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

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

G8. Duty to Provide Information

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

G9. General Maintenance and Repair Duties

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

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

G10. Recordkeeping Requirements for Compliance Monitoring

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

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

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

3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:

- a. Comply with all terms and conditions of this permit specific to each alternative scenario.
- b. Maintain a log at the permitted facility of the scenario under which it is operating.
- c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. *567 IAC 22.108(4), 567 IAC 22.108(12)*

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

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

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

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

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

G13. Hazardous Release

The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity, strength and toxicity of the substance, creates an immediate or potential danger to the public health, safety or to the environment. A verbal report shall be made to the department at (515) 281-8694 and to the local police department or the office of the sheriff of the affected county as soon as possible but not later than six hours after the discovery or onset of the condition. This verbal report must be followed up with a written report as indicated in 567 IAC 131.2(2). *567 IAC Chapter 131-State Only*

G14. Excess Emissions and Excess Emissions Reporting Requirements

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

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

2. Excess Emissions Reporting

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

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

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

- i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.
- ii. The estimated quantity of the excess emission.
- iii. The time and duration of the excess emission.
- iv. The cause of the excess emission.
- v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.
- vi. The steps that were taken to limit the excess emission.
- vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. 567 IAC 24.1(1)-567 IAC 24.1(4)

3. **Emergency Defense for Excess Emissions.** For the purposes of this permit, an “emergency” means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to

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

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

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

G15. Permit Deviation Reporting Requirements

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

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

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

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

1. Off Permit Changes to a Source. Pursuant to section 502(b)(10) of the CAAA, the permittee may make changes to this installation/facility without revising this permit if:
 - a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 22.
 - b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);
 - c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);

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

e. The changes comply with all applicable requirements.

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

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

ii. The date on which the change will occur,

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

iv. The pollutants emitted subject to the emissions trade

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

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

vii. Any permit term or condition no longer applicable as a result of the change.

567 IAC 22.110(1)

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

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

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

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

G18. Duty to Modify a Title V Permit

1. Administrative Amendment.

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

i. Correct typographical errors

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

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

iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittee has been submitted to the director.

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

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

2. Minor Title V Permit Modification.

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

- i. Do not violate any applicable requirement;
- ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit;
- iii. Do not require or change a case by case determination of an emission limitation or other standard, or an increment analysis;
- iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act;
- v. Are not modifications under any provision of Title I of the Act; and
- vi. Are not required to be processed as significant modification under rule 567 - 22.113(455B).

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

- i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
- ii. The permittee's suggested draft permit;
- iii. Certification by a responsible official, pursuant to 567 IAC 22.107(4), that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used; and
- iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 22.107(7).

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

3. Significant Title V Permit Modification.

Significant Title V modification procedures shall be used for applications requesting Title V permit modifications that do not qualify as minor Title V modifications or as administrative amendments. These include but are not limited to all significant changes in monitoring permit terms, every relaxation of reporting or recordkeeping permit terms, and any change in the

method of measuring compliance with existing requirements. Significant Title V modifications shall meet all requirements of 567 IAC Chapter 22, including those for applications, public participation, review by affected states, and review by the administrator, as those requirements that apply to Title V issuance and renewal.

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

G19. Duty to Obtain Construction Permits

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

G20. Asbestos

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

G21. Open Burning

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

G22. Acid Rain (Title IV) Emissions Allowances

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

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

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

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

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

- a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.
 - b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.
 - c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.
 - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)
 - e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.
 - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.
3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.
4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant,
5. The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. *40 CFR part 82*

G24. Permit Reopenings

1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. *567 IAC 22.108(9)"c"*
2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.
- a. Reopening and revision on this ground is not required if the permit has a remaining term of less than three years;
 - b. Reopening and revision on this ground is not required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to May 15, 2001.
 - c. Reopening and revision on this ground is not required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. *567 IAC 22.108(17)"a"*, *567 IAC 22.108(17)"b"*
3. A permit shall be reopened and revised under any of the following circumstances:

- a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to July 21, 1992, provided that the reopening may be stayed pending judicial review of that determination;
- b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;
- c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.
- d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.
- e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. *567 IAC 22.114(1)*

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

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

G25. Permit Shield

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

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

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

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

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

G26. Severability

The provisions of this permit are severable and if any provision or application of any provision is found to be invalid by this department or a court of law, the application of such provision to

other circumstances, and the remainder of this permit, shall not be affected by such finding. 567 IAC 22.108 (8)

G27. Property Rights

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

G28. Transferability

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

G29. Disclaimer

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

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

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

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

Stack Test Review Coordinator
Iowa DNR, Air Quality Bureau
7900 Hickman Road, Suite #1
Windsor Heights, IA 50324
(515) 725-9545

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

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

G31. Prevention of Air Pollution Emergency Episodes

The permittee shall comply with the provisions of 567 IAC Chapter 26 in the prevention of excessive build-up of air contaminants during air pollution episodes, thereby preventing the

occurrence of an emergency due to the effects of these contaminants on the health of persons.
567 IAC 26.1(1)

G32. Contacts List

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

Chief of Air Permits
U.S. EPA Region 7
Air Permits and Compliance Branch
11201 Renner Blvd.
Lenexa, KS 66219
(913) 551-7020

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

Chief, Air Quality Bureau
Iowa Department of Natural Resources
7900 Hickman Road, Suite #1
Windsor Heights, IA 50324
(515) 725-9500

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

Field Office 1

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

Field Office 2

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

Field Office 3

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

Field Office 4

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

Field Office 5

7900 Hickman Road, Suite #200
Windsor Heights, IA 50324
(515) 725-0268

Field Office 6

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

Polk County Public Works Dept.

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

Linn County Public Health

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

V. Appendix A: Compliance Assurance Monitoring Plan

EP 2, EP4, EP 5, EP 11, EP 26 & EP 32 Wood Dust Collection Systems

	Indicator #1	Indicator #2
I. Indicator	Differential pressure across the baghouse	Visible Emissions
II. Measurement Approach	Differential pressure measured across the baghouse by a pressure gauge.	Visible emissions from the baghouse exhaust while operating and exhausting to the outdoors. NOTE: This indicator is not applicable when the exhaust is vented internally during the winter months.
III. Indicator Range	An excursion is defined as a differential pressure reading across the baghouse module outside of the acceptable range. The acceptable range is 0.5 to 5.0 inches water. Excursions trigger inspection, corrective action to return operation to the indicator range and recordkeeping of the excursion and the corrective action taken to resolve the excursion.	An excursion is defined a observation of visible emissions from the exhaust. Excursions trigger inspection, corrective action to return operation to the indicator range and recordkeeping of the excursion and the corrective action taken to resolve the excursion.
IV. Performance Criteria		
A. Data Representativeness	The differential pressure is measured across the baghouse.	Visible emissions are made at the emission point and on the external baghouse unit, system ductwork, and associated components.
B. Verification of Operational Status	The pressure gauge will be calibrated, operated, and maintained according to the manufacturer's specifications.	NA
C. QA/QC Practices and Criteria	The pressure gauge will be calibrated, operated, and maintained according to the manufacturer's specifications.	Observer(s) will be trained to detect visible emissions.
D. Monitoring Frequency	The differential pressure will be inspected a minimum of once per day when the baghouse is operating.	No visible emissions observations are made at the emission point on a weekly basis
E. Data Collection Procedures	Results of the differential pressure readings will be recorded on record forms that will be kept for a minimum of 5 years.	Results of visible emission observations are recorded on record forms and kept for a minimum of 5 years.

VI. Appendix B: Weblinks to National Emissions Standards for Hazardous Air Pollutants (NESHAPs)

- A. 40 CFR Part 63 Subpart A- General Provisions
<http://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&r=SUBPART&n=sp40.10.63.a>
- B. 40 CFR Part 63 Subpart QQQQ- National Emission Standards for Hazardous Air Pollutants: Surface Coating of Wood Building Products
<http://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&r=SUBPART&n=sp40.13.63.qqqq>
- C. 40 CFR Part 63 Subpart ZZZZ- Standards of Performance for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.
<http://www.ecfr.gov/cgi-bin/retrieveECFR?gp=&r=SUBPART&n=sp40.14.63.zzzz>