Iowa Department of Natural Resources
Title V Operating Permit

Name of Permitted Facility: Industrial Laminates/Norplex Inc.
Facility Location: 665 Lybrand Street
Postville, Iowa 52162

Air Quality Operating Permit Number: 99-TV-039R3
Expiration Date: December 8, 2024
Permit Renewal Application Deadline: 6/8/2024

EIQ Number: 92-3842
Facility File Number: 03-02-001

Responsible Official
Name: Mr. Alan Johnson
Title: Director of Operations
Mailing Address: P.O. Box 977
665 Lybrand Street
Postville, Iowa 52162
Phone #: (563) 864-4275

Permit Contact Person for the Facility
Name: Tim Delaney
Title: Environmental & Technical Safety Manager
Mailing Address: P.O. Box 977
665 Lybrand Street
Postville, Iowa 52162
Phone #: (563) 864-4235

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. Two Title V Permits exist for one source (Industrial Energy Applications, Inc. and Industrial Laminates/Norplex). These two facilities constitute one stationary source. This permit is for Industrial Laminates/Norplex (Facility # 03-02-001)

For the Director of the Department of Natural Resources

Lori Hanson, Supervisor of Air Operating Permits Section  Date

JHW 1 99-TV-039R3: 12/9/2019
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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
gr./100 cf .....................grains per one hundred cubic feet
IAC...........................Iowa Administrative Code
IDNR ........................Iowa Department of Natural Resources
MVAC........................motor vehicle air conditioner
NAICS......................North American Industry Classification System
NSPS ..........................new source performance standard
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
A. SIC .......................Standard Industrial Classification
TPY ..........................tons per year
USEPA ......................United States Environmental Protection Agency

Pollutants
PM ..........................particulate matter
PM\textsubscript{10} ............particulate matter ten microns or less in diameter
SO\textsubscript{2} ................sulfur dioxide
NO\textsubscript{x} ................nitrogen oxides
VOC .........................volatile organic compound
CO ..........................carbon monoxide
HAP ..........................hazardous air pollutant
I. Facility Description and Equipment List

Facility Name: Industrial Laminates/Norplex Inc.
Permit Number: 99-TV-039R3

Facility Description: Laminate Products Manufacturing (SIC 3083)

<table>
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<th>Emission Unit Number</th>
<th>Emission Unit Description</th>
<th>IDNR Construction Permit Number</th>
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### Insignificant Activities Equipment List

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II. Plant-Wide Conditions

Facility Name: Industrial Laminates/Norplex Inc.
Permit Number: 99-TV-039R3

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

Permit Duration

The term of this permit is: 5 years
Commencing on: 12/9/2019
Ending on: 12/8/2024

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

Emission Limits

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

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

Sulfur Dioxide (SO$_2$): 500 parts per million by volume
Authority for Requirement: 567 IAC 23.3(3)"e"

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

For sources constructed, modified or reconstructed prior to July 21, 1999, the emission of particulate matter from any process shall not exceed the amount determined from Table I, or amount specified in a permit if based on an emission standard of 0.1 grain per standard cubic foot of exhaust gas or established from standards provided in 23.1(455B) and 23.4(455B).
Authority for Requirement: 567 IAC 23.3(2)"a"

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

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

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

Other New Source Performance Standards (NSPS):

1. Parts of this facility are subject to 40 CFR 60 Subpart A – NSPS General Provisions.

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

2. Parts of this facility are affected facilities under 40 CFR 60 Subpart VVV - Standards of Performance for Polymeric Coating of Supporting Substrates Facilities. The applicable Subpart VVV requirements are included as Emission Point-Specific Conditions.

   Authority for Requirements: 40 CFR 60 Subpart VVV-Polymeric Coating of Supporting Substrates
   567 IAC 23.1(2)"bv"
National Emission Standards for Hazardous Air Pollutants (NESHAP):
1. The facility is subject to 40 CFR 63 Subpart A – NESHAP General Provisions.

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

2. Parts of this facility are subject to 40 CFR, Part 63, Subpart OOOO, National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles (Fabric NESHAP). The compliance date for the Fabric NESHAP for existing affected sources was May 29, 2006. The entire NESHAP rule is included in Section V, Appendix B of this permit. Requirements of the Fabric NESHAP are outlined below.

Emission Limitations:
A. Emission Limits - Per § 63.4290, the permittee must meet the emission limit for the subcategory or subcategories (e.g., web coating operation) present at the facility. Table 1 to Subpart OOOO presents the emission limits for an existing affected source in each subcategory.
B. Compliance Options - § 63.4291 (a)(1) through (5) present the options for meeting the emission limits.
C. Operating Limits - The permittee shall comply with § 63.4292.
D. Work Practice Standards – The permittee shall comply with § 63.4293.

General Compliance Requirements:
A. § 63.4300 through 63.4301 present the general compliance requirements.

Notifications, Reports, and Records:
A. § 63.4310 presents the notification requirements.
B. § 63.4311 presents the reporting requirements.
C. § 63.4312 and § 63.4313 presents the record keeping requirements.

Compliance Requirements for Different Options:
A. § 63.4320 through 63.4322 present the requirements for the Compliant Material Option.
B. § 63.4330 through 63.4332 present the requirements for the Emission Rate Without Add-On Controls Option.
C. § 63.4340 through 63.4342 present the requirements for the Emission Rate With Add-On Controls Option.
D. § 63.4350 through 63.4352 present the requirements for the Organic HAP Overall Control Efficiency and Oxidizer Outlet Organic HAP Concentration Options.

Performance Testing and Monitoring Requirements:
A. §63.4360 through 63.4364 presents the performance testing and monitoring requirements.

Authority for Requirement: 40 CFR 63 Subpart OOOO  
567 IAC 23.1(4)"co"
40 CFR Part 63 Subpart DDDDD Requirements
This facility is subject to 40 CFR Part 63 Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters. The affected emission points are Boiler, 950-001 and Propane Vaporizers (process heaters) 951-001 and 952-001.
Authority for Requirements: 40 CFR 63 Subpart DDDDD
III. Emission Point-Specific Conditions

Facility Name: Industrial Laminates/Norplex Inc.
Permit Number: 99-TV-039R3

Emission Point ID Number: Raw Material Storage Tanks (see Table 1)

Associated Equipment

Table 1

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Numbers</th>
<th>Emission Unit Description</th>
<th>Raw Material</th>
<th>Rated Capacity (gallons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>101-002</td>
<td>101</td>
<td>Storage Tank</td>
<td>Phenolic Resin</td>
<td>7,500</td>
</tr>
<tr>
<td>102-002</td>
<td>102</td>
<td>Storage Tank</td>
<td>Phenolic Resin</td>
<td>9,000</td>
</tr>
<tr>
<td>103-002</td>
<td>103</td>
<td>Storage Tank</td>
<td>Phenolic Resin</td>
<td>9,000</td>
</tr>
<tr>
<td>105-002</td>
<td>105</td>
<td>Storage Tank</td>
<td>Ethanol</td>
<td>5,000</td>
</tr>
<tr>
<td>106-002</td>
<td>106</td>
<td>Storage Tank</td>
<td>Toluene</td>
<td>4,500</td>
</tr>
<tr>
<td>107-002</td>
<td>107</td>
<td>Storage Tank</td>
<td>Acetone</td>
<td>7,500</td>
</tr>
<tr>
<td>108-002</td>
<td>108</td>
<td>Storage Tank</td>
<td>Dimethylformamide</td>
<td>7,500</td>
</tr>
<tr>
<td>109-002</td>
<td>109</td>
<td>Storage Tank</td>
<td>Propylene Glycol Monomethyl Ether</td>
<td>7,500</td>
</tr>
<tr>
<td>110-002</td>
<td>110</td>
<td>Storage Tank</td>
<td>Isopropyl Alcohol</td>
<td>1,500</td>
</tr>
<tr>
<td>122-002</td>
<td>122A</td>
<td>Storage Tank</td>
<td>Epoxy Resin</td>
<td>6,400</td>
</tr>
</tbody>
</table>

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 requirements at this time.

Operational Limits & Requirements

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

NESHAP

Some of the storage tanks at this facility are subject to the requirements of 40 CFR, Part 63, Subpart OOOO, “National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles”. Compliance with the requirements of this regulation was required by May 30, 2006 (40 CFR 63.4282(b)).

Authority for Requirement: 40 CFR 63 Subpart OOOO – Fabric NESHAP 567 IAC 23.1(4)"co"
Operating Limits:
There are no operating limits for these emission units at this time.

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

A. A log of each material stored in this emission unit.
B. A copy of the Material Safety Data Sheet (MSDS) for each material stored in this emission unit.
C. For the first twelve (12) months of operation, determine the throughput of each material stored in this emission unit for each month of operation.
D. After the first twelve (12) months of operation, determine the cumulative throughput for each material stored in this emission unit on a rolling twelve (12) month basis for each month of operation.
E. For the first twelve (12) months of operation, determine the total emissions for this emission unit for each month of operation.
F. After the first twelve (12) months of operation, determine the cumulative emissions for this emission unit on a rolling twelve (12) month basis for each month of operation.

Authority for Requirement: DNR Construction Permits specified in Table 2

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

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit</th>
<th>Construction Permit #</th>
<th>Height (feet)</th>
<th>Discharge Style</th>
<th>Opening Diameter (inches)</th>
<th>Exhaust Temp. (°F)</th>
<th>Exhaust Flow rate (scfm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>101-002</td>
<td>101</td>
<td>92-A-642-S2</td>
<td>26</td>
<td>Horizontal</td>
<td>2</td>
<td>70</td>
<td>400</td>
</tr>
<tr>
<td>102-002</td>
<td>102</td>
<td>92-A-640-S2</td>
<td>26</td>
<td>Horizontal</td>
<td>2</td>
<td>70</td>
<td>400</td>
</tr>
<tr>
<td>103-002</td>
<td>103</td>
<td>92-A-641-S2</td>
<td>26</td>
<td>Horizontal</td>
<td>2</td>
<td>70</td>
<td>400</td>
</tr>
<tr>
<td>105-002</td>
<td>105</td>
<td>91-A-025-S2</td>
<td>26</td>
<td>Horizontal</td>
<td>2</td>
<td>70</td>
<td>250</td>
</tr>
<tr>
<td>106-002</td>
<td>106</td>
<td>91-A-026-S2</td>
<td>26</td>
<td>Horizontal</td>
<td>2</td>
<td>70</td>
<td>300</td>
</tr>
<tr>
<td>107-002</td>
<td>107</td>
<td>91-A-030-S2</td>
<td>26</td>
<td>Horizontal</td>
<td>2</td>
<td>70</td>
<td>450</td>
</tr>
<tr>
<td>108-002</td>
<td>108</td>
<td>91-A-027-S2</td>
<td>26</td>
<td>Horizontal</td>
<td>2</td>
<td>70</td>
<td>600</td>
</tr>
<tr>
<td>109-002</td>
<td>109</td>
<td>91-A-029-S2</td>
<td>26</td>
<td>Horizontal</td>
<td>2</td>
<td>70</td>
<td>700</td>
</tr>
<tr>
<td>110-002</td>
<td>110</td>
<td>91-A-028-S2</td>
<td>26</td>
<td>Horizontal</td>
<td>2</td>
<td>70</td>
<td>550</td>
</tr>
</tbody>
</table>

Authority for Requirement: DNR Construction Permits specified in Table 2

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

Authority for Requirements: DNR Construction Permits specified in Table 2
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:  104-002

Associated Equipment

Associated Emission Unit ID Numbers:  104
Emissions Control Equipment ID Number:  CE-104
Emissions Control Equipment Description:  Conservation Vent

Emission Unit vented through this Emission Point:  104
Emission Unit Description:  Storage Tank
Raw Material/Fuel:  Petroleum Liquid Storage
Rated Capacity:  7500 Gallons

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% \(^1\)

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

Authority for Requirement:  567 IAC 23.3(2)"d"
DNR Construction Permit 15-A-280

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

Operating Limits
Operating limits for this emission unit shall be:

A. The vapor pressure of any material stored in this vessel shall not exceed 5.5 pounds per square inch (psia).

B. The molecular weight of any material stored in this vessel shall not exceed 60 pounds per pound mole (lb/lb-mol).

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

A. Maintain a copy of the MSDS or other vendor’s documentation of the showing the composition of each material stored in this tank.
B. Maintain a record of the physical characteristics of each material stored in this tank. This information may be supplied from the vendor or may be determined based on the composition of the material and known values.

Authority for Requirement: DNR Construction Permit 15-A-280

**Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

Stack Height, (ft, from the ground): 26
Stack Opening, (inches, dia.): 2
Exhaust Flow Rate (scfm): 400
Exhaust Temperature (°F): Ambient
Discharge Style: Obstructed Vertical

Authority for Requirement: DNR Construction Permit 15-A-280

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.*

<table>
<thead>
<tr>
<th>Agency Approved Operation &amp; Maintenance Plan Required?</th>
<th>Yes ☐ No ☒</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facility Maintained Operation &amp; Maintenance Plan Required?</td>
<td>Yes ☐ No ☒</td>
</tr>
<tr>
<td>Compliance Assurance Monitoring (CAM) Plan Required?</td>
<td>Yes ☐ No ☒</td>
</tr>
</tbody>
</table>

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: 119-001, 120-001 and 999-008

Associated Equipment

Table 1

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Numbers</th>
<th>Emission Unit Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>119-001</td>
<td>See Appendix A for Portable &amp; Fixed Mixing Tanks used in Upper Compounding Room</td>
<td>Portable &amp; Fixed Mixing Tanks used in Upper Compounding Room</td>
<td>Resin &amp; Solvent</td>
<td>See Appendix A</td>
</tr>
<tr>
<td>120-001</td>
<td>for Portable &amp; Fixed Mixing Tank List</td>
<td>Portable &amp; Fixed Mixing Tanks used in Upper Compounding Room</td>
<td>Resin &amp; Solvent</td>
<td>See Appendix A</td>
</tr>
<tr>
<td>999-008</td>
<td>Portable Mixing Tanks used in Lower Compounding Room</td>
<td>Portable Mixing Tanks used in Lower Compounding Room</td>
<td>Resin &amp; Solvent</td>
<td>See Appendix A</td>
</tr>
</tbody>
</table>

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 Emission limits at this time.

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

NSPS

These units are subject to the requirements of 40 CFR Part 60, Subpart VVV, Standards of Performance for polymeric Coating of Supporting Substrates Facilities. In accordance with §60.740(a), the onsite coating mix preparation equipment are affected facilities used to prepare coating for the polymeric coating of supporting substrates. Per EPA guidance, the affected facilities are limited to that mixing equipment serving coating equipment (i.e., Treaters) subject to this subpart.

Treater 208 is currently the only Treater subject to this standard. Therefore, for the coating mix preparation equipment used for Treater 208:

1. Standards for VOCs: Each owner or operator of an affected facility shall install, operate and maintain a cover on each piece of affected coating mix preparation equipment and vent VOC emissions from the covered mix equipment to a 95 percent efficient control device while preparation of the coating is taking place within the vessel. (40 CFR 60.742(c)(1))

2. Compliance provisions: To demonstrate compliance with §60.742(c)(1), Each owner or operator of an affected facility shall demonstrate that:
   a. Covers meeting the following specification have been installed and are being used properly:
i. Cover shall be closed at all times except when adding ingredients, withdrawing samples, transferring the contents, or making visual inspection when such activities cannot be carried out with cover in place. Such activities shall be carried out through ports of the minimum practical size;

ii. Cover shall extend at least 2 centimeters beyond the outer rim of the opening or shall be attached to the rim;

iii. Cover shall be of such design and construction that contact is maintained between cover and rim along the entire perimeter.

iv. Any breach in the cover (such as a slit for insertion of a mixer shaft or port for addition of ingredients) shall be covered consistent with paragraphs 2.(a)(i), (ii), and (iii) of this section when not actively in use. An opening sufficient to allow safe clearance for a mixer shaft is acceptable during those periods when the shaft is in place; and

v. A polyethylene or nonpermanent cover may be used provided it meets the requirements of paragraphs 2.(a)(ii), (iii), and (iv) of this section. Such a cover shall not be reused after once being removed;

b. Procedures detailing the proper use of covers, as specified in paragraph 2.(a)(i) of this section, have been posted in all areas where affected coatings mix preparation equipment is used;

c. The coating mix preparation equipment is vented to a control device while preparation of the coating is taking place within the vessel; and

d. The control device efficiency determined using Equation (1) or Equations (3) and (4), respectively, and the test methods and procedures specified in §60.745(b) through (g) is equal to or greater than 0.95. (40 CFR 60.743(c))

**Monitoring Requirements**

3. Each owner or operator of an affected facility shall install and calibrate all monitoring devices required under the provisions of this section according to the manufacturer's specifications, prior to the initial performance test in locations such that representative values of the monitored parameters will be obtained. The parameters to be monitored shall be continuously measured and recorded during each performance test. (40 CFR 60.744(a))

4. Each owner or operator of an affected facility shall record time periods of mixing or coating operations when the emission control device is malfunctioning or not in use. (40 CFR 60.744(i))

5. Each owner or operator of an affected facility shall record time periods of mixing or coating operations when each monitoring device is malfunctioning or not in use. (40 CFR 60.744(j))

**Authority for Requirement:** 40 CFR 60 Subpart VVV

567 IAC 23.1(2)"iii"
NESHAP

The coating mix preparation equipment at this facility are subject to the requirements of 40 CFR, Part 63, Subpart OOOO, “National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles”. Compliance with the requirements of this regulation was required by May 30, 2006 (40 CFR 63.4282(b)).

Authority for Requirement: 40 CFR 63 Subpart OOOO – Fabric NESHAP 567 IAC 23.1(4)"co"

Monitoring Requirements

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Numbers: Treater 201 (see Table 1)

Associated Equipment

Emissions Control Equipment ID Number: CE-281
Emissions Control Equipment Description: Thermal Oxidizer

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Numbers</th>
<th>Emission Unit Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>201-001</td>
<td>201</td>
<td>Treater 201 – Heat Exchanger Exhaust from CE-281</td>
<td>Compounded Resin Coat of Web Material</td>
<td>7,506 sq.ft./hr</td>
</tr>
<tr>
<td>201-002</td>
<td></td>
<td>Treater 201 – CE-281</td>
<td>Natural Gas, Propane (back-up)</td>
<td>2.0 MMBtu/hr</td>
</tr>
<tr>
<td>201-003</td>
<td></td>
<td>Treater 201 – Room Vent</td>
<td>Clean-up solvent</td>
<td>3,354 scfm</td>
</tr>
</tbody>
</table>

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)  
(1) An exceedance of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).  
Authority for Requirement: 567 IAC 23.3(2)"d"  
DNR Construction Permits 87-A-031-S3 and 04-A-077-S1

Pollutant: Particulate Matter  
Emission Limit(s): 0.1 gr/dscf  
Authority for Requirement: 567 IAC 23.3(2)"a"  
DNR Construction Permits 87-A-031-S3 and 04-A-077-S1

Pollutant: Sulfur Dioxide (SO₂)  
Emission Limit(s): 500 ppmv  
Authority for Requirement: 567 IAC 23.3(3)  
DNR Construction Permits 87-A-031-S3 and 04-A-077-S1
Table 2

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Number</th>
<th>PM Limit (lb/hr)</th>
<th>PM10 Limit (lb/hr)</th>
<th>VOC Limit (tons per 12 month rolling period)</th>
<th>DNR Construction Permit #</th>
</tr>
</thead>
<tbody>
<tr>
<td>201-001</td>
<td>201</td>
<td>0.15</td>
<td>0.15</td>
<td></td>
<td>87-A-031-S3</td>
</tr>
<tr>
<td>201-002</td>
<td></td>
<td>0.74</td>
<td>0.74</td>
<td>33</td>
<td>04-A-077-S1</td>
</tr>
<tr>
<td>201-003</td>
<td></td>
<td>--</td>
<td>--</td>
<td></td>
<td>NA</td>
</tr>
</tbody>
</table>

(2) The VOC limit for the Treater 201 is 33 tons per any rolling 12-month period. The combined VOC limit for Treater 201, Treater 202, Treater 203, Treater 204, Treater 206, Treater 207 is 961.6 tons per any rolling 12-month period.

Authority for Requirement: DNR Construction Permits 87-A-031-S3 and 04-A-077-S1

Operational Limits & Requirements

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

NESHAP

A. The Treaters at this facility are subject to the requirements of 40 CFR, Part 63, Subpart OOOO, “National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles”. Compliance with the requirements of this regulation was required by May 29, 2006. An initial notification report was received on April 24, 2002.

Authority for Requirement: 40 CFR 63 Subpart OOOO – Fabric NESHAP

567 IAC 23.1(4)"co"

DNR Construction Permits 87-A-031-S3 and 04-A-077-S1

B. The clean-up solvent equipment at this facility is subject to the requirements of 40 CFR, Part 63, Subpart OOOO, “National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles.” Compliance with the requirements of this regulation was required by May 30, 2006. (40 CFR 63.4282(b))

Authority for Requirement: 40 CFR 63 Subpart OOOO – Fabric NESHAP

567 IAC 23.1(4)"co"

Operating Limits

Operating limits for this emission unit shall be:

A. Treater 201 shall comply with the applicable requirements of Table 1 to Subpart OOOO as an existing coating affected source.

B. Treater 201 shall comply with all applicable requirements of §63.4292, operating limits, § 63.4293, work practice standards, § 63.4300 and § 63.4301, General Compliance Requirements, § 63.4350 through § 63.4352, and §63.4360 through § 64.4364.
C. The temperature of the thermal oxidizer shall be maintained at a minimum of 1165 degrees Fahrenheit. This was the average temperature measured during the most recent compliance stack test.

D. The Treater oven shall be heated by infrared heating elements. Prior to burning any fuel in this unit, the permittee shall apply for, and obtain, a new construction permit from the DNR.

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

A. The permittee shall continuously monitor the exit gas temperature of the thermal incinerator when Treater 201 is in operation.

B. Treater 201 shall comply with all applicable requirements of §63.4363 and §63.4364.

C. The permittee shall maintain daily records on the identification, the amount (pounds) and the VOC content (% by weight) of each coating and solvent used in Treater 201.

D. The permittee shall maintain the following monthly records:

i. The identification, the VOC content (% by weight) and the amount (pounds) of each coating and solvent used in the Treaters 201, 202, 203, 204, 206, and 207.

ii. The monthly VOC emission rate from Treater 201 (tons). The monthly VOC emissions from Treater 201 shall be determined by the following equation:

\[
EVOC = \left( \sum (PUi \times VOCi) \right) \times CE \times (1 - DE) \times 1/2000
\]

Where,
- \(EVOC\) = tons of VOC emitted from Treater 201
- \(PUi\) = pounds of an individual coating or solvent used that month in Treater 201
- \(VOCi\) = VOC content of an individual coating or solvent (% by weight) used in Treater 201
- \(CE\) = capture efficiency (% of VOC captured and vented to the thermal oxidizer); CE is equal to 1 if the line and oven are equipped with a permanent total enclosure
- \(DE\) = destruction efficiency of the thermal oxidizer determined by the most recent stack test that demonstrated compliance

iii. The rolling, 12-month total of the VOC emission rate from Treater 201 (tons).

iv. The total monthly VOC emission rate from the following emissions units: Treater 201, Treater 202, Treater 203, Treater 204, Treater 206, and Treater 207. The permittee shall maintain monthly emissions information for each of the emissions units. The monthly VOC emissions from Treater 201, Treater 202, Treater 203, Treater 204, Treater 206, and Treater 207 shall be determined by the following equations:
Totalvoc = $\sum$ Evoci

Where,
Totalvoc = total monthly actual VOC emissions from Treater 201, Treater 202, Treater 203, Treater 204, Treater 206 and Treater 207
Evoci = monthly actual VOC emissions from each Treater, determined by the following:
$\text{EVOC} = (\sum (\text{PUi} \times \text{VOCi})) \times \text{CE} \times (1 - \text{DE}) \times 1/2000$

Where,
$\text{EVOC} = \text{tons of VOC emitted from a Treater}$
$\text{PUi} = \text{pounds of an individual coating or solvent used that month}$
$\text{VOCi} = \text{VOC content of an individual coating or solvent (%) by weight}$
$\text{CE*} = \text{capture efficiency (%) of VOC captured and vented to the thermal oxidizer}; \text{CE is equal to 1 if the line and oven are equipped with a permanent total enclosure}$
$\text{DE*} = \text{destruction efficiency of control device determined by the most recent stack test that demonstrated compliance};$
* Not used if the Treater is not vented to an air pollution control device.

v. The rolling, 12-month total of the VOC emission rate from Treater 201, Treater 202, Treater 203, Treater 204, Treater 206 and Treater 207 (tons).

E. The permittee shall maintain records and submit quarterly reports to the DNR documenting the following:

i. All 3-hour blocks of time when Treater 201 was in operation during which the average combustion temperature of the thermal oxidizer was below 1165 degrees Fahrenheit.

These reports shall be submitted no later than 30 days from the end of each calendar quarter. The first quarter shall cover January 1 to March 31. The second quarter shall cover April 1 to June 30. The third quarter shall cover July 1 to September 30. The fourth quarter shall cover October 1 to December 31.

If no deviations occurred during a calendar quarter, no report is required to be submitted.

F. The permittee shall maintain all records as required by § 63.4312.

G. The permittee shall submit all notifications and reports required by §63.4310 and § 63.4311.

H. The permittee shall submit deviation reports that identify all exceedances of the rolling 12-month emission limitation for VOC for Treater 201. The report shall be submitted no later than 30 days from the end of the month in which the exceedance had occurred.

I. The permittee shall submit deviation reports that identify all exceedances of the rolling 12-month combined emission limitation for VOC for Treater 201, Treater 202, Treater 203,
Treater 204, Treater 206 and Treater 207. The report shall be submitted no later than 30 days from the end of the month in which the exceedance had occurred.

Authority for Requirement: DNR Construction Permits 87-A-031-S3 and 04-A-077-S1

**Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Number</th>
<th>Construction Permit #</th>
<th>Height (feet)</th>
<th>Discharge Style</th>
<th>Opening Diameter (inches)</th>
<th>Exhaust Temp. (°F)</th>
<th>Exhaust Flow rate (scfm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>201-001</td>
<td>201</td>
<td>87-A-031-S3</td>
<td>36.8</td>
<td>Vertical, unobstructed</td>
<td>12 x 12</td>
<td>250</td>
<td>2693</td>
</tr>
<tr>
<td>201-002</td>
<td>04-A-077-S1</td>
<td>50</td>
<td>18</td>
<td>Vertical, unobstructed</td>
<td>18</td>
<td>930</td>
<td>2693</td>
</tr>
</tbody>
</table>

Authority for Requirement: DNR Construction Permits 87-A-031-S3 and 04-A-077-S1

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

**Monitoring Requirements**

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

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

See CAM Plan in Appendix A

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: 201-004

Associated Equipment

Associated Emission Unit ID Numbers: 201

Emission Unit vented through this Emission Point: 201
Emission Unit Description: Treater 201 – Auxiliary Exhaust Fan F1
Raw Material/Fuel: VOC Exhaust
Rated Capacity: 1000 Cubic feet/min

**Applicable Requirements**

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

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

Pollutant: Opacity
Emission Limit(s): 40% (1)

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

Authority for Requirement: 567 IAC 23.3(2)"d"
DNR Construction Permit 19-A-240

Pollutant: Particulate Matter
Emission Limit(s): 0.1gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"
DNR Construction Permits 19-A-240

Pollutant: Volatile Organic Compounds (VOC)
Emission Limit(s): See note (2)

(2) The VOC limit for the Treater 201 – Auxiliary Exhaust Fan F1 will be under the 33 TPY VOC limit for 201 Treater & Oven EP 201-001 and EP 201-002. The facility shall use equation specified in Operating Requirements with Associated Monitoring and Recordkeeping after each spill to calculate VOC emissions when EP 201-004 is operated.

Authority for Requirement: DNR Construction Permit 19-A-240
Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

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

<table>
<thead>
<tr>
<th>EU ID</th>
<th>Subpart</th>
<th>Title</th>
<th>Type</th>
<th>State Reference (567 IAC)</th>
<th>Federal Reference (40 CFR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td>A</td>
<td>General Provisions</td>
<td>NA</td>
<td>23.1(4)</td>
<td>§63.1 – §63.15</td>
</tr>
<tr>
<td>OOOO</td>
<td></td>
<td>National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles</td>
<td>23.1(4)&quot;co&quot;</td>
<td>§63.4280 - §63.4371</td>
<td></td>
</tr>
</tbody>
</table>

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

A. The owner or operator shall maintain records of the duration of operation of Treater 201 – Auxiliary Exhaust Fan F1.
   i. The records shall show the duration for which the Treater 201 – Auxiliary Exhaust Fan F1 was operated each time. Maintain records on a rolling 12-month basis.

B. The VOC emissions from Treater 201 – Auxiliary Exhaust Fan F1 will count towards the 33 TPY VOC limit established for 201 Treater & Oven (EP 201-001 and EP 201-002).

C. The owner or operator shall calculate the VOC emissions each time Treater 201 – Auxiliary Exhaust Fan F1 is operated. Following monthly records shall be maintained.
   i. The identification, VOC content (% by weight) and the amount of each coating/resin or solvent spilled in the room 201.
   ii. The VOC emission rate due to the spill in TPY. The VOC emissions from the spill shall be determined using the following equation:
       \[ E_{\text{VOC}} = \left( \sum (P_{U_{i}} \times VOC_{i}) \right) \times 1/2000 \]
       Where,
       \[ E_{\text{VOC}} = \text{tons of VOC emitted from Treater 201 – Auxiliary Exhaust Fan F1} \]
       \[ P_{U_{i}} = \text{pounds of an individual coating or solvent spilled in room 201} \]
       \[ VOC_{i} = \text{VOC content of an individual coating or solvent (% by weight) spilled in room 201} \]
   iii. The rolling 12-month total of the VOC emissions from use of Treater 201 – Auxiliary Exhaust Fan F1.

Authority for Requirement: DNR Construction Permit 19-A-240
**Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

Stack Height, (ft, from the ground): 29.3  
Stack Opening, (inches, dia.): 36.5  
Exhaust Flow Rate (scfm): 1,000  
Exhaust Temperature (°F): 71  
Discharge Style: Horizontal  
Authority for Requirement: DNR Construction Permit 19-A-240

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: 202-001**

**Associated Equipment**

**Associated Emission Unit ID Numbers:** 202

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Emission Unit vented through this Emission Point: 202  
Emission Unit Description: Treater 202  
Raw Material/Fuel: Compounded Resin Coat of Web Material and Natural Gas, Propane (back-up)  
Rated Capacity: 6,750 sq.ft./hr, 4.5 MMBtu/hr

**Applicable Requirements**

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

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

Pollutant: Opacity  
Emission Limit(s): 40% \(^{(1)}\)

\(^{(1)}\) An exceedance of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

**Authority for Requirement:** 567 IAC 23.3(2)"d"  
DNR Construction Permit 04-A-063-S2

Pollutant: PM\(_{10}\)  
Emission Limit(s): 0.664 lb/hr  
**Authority for Requirement:** DNR Construction Permit 04-A-063-S2

Pollutant: Particulate Matter  
Emission Limit(s): 0.1 gr/dscf, 0.664 lb/hr  
**Authority for Requirement:** 567 IAC 23.3(2)"a"  
DNR Construction Permit 04-A-063-S2

Pollutant: Sulfur Dioxide (SO\(_2\))  
Emission Limit(s): 500 ppmv  
**Authority for Requirement:** 567 IAC 23.3(3)  
DNR Construction Permit 04-A-063-S2

Pollutant: Volatile Organic Compounds (VOC)  
Emission Limit(s): 961.6 tons per 12-month rolling total \(^{(2)}\)

\(^{(2)}\) Combined VOC limit for Treater 201, Treater 202, Treater 203, Treater 204, Treater 206, Treater 207 is 961.6 tons per any rolling 12-month period.

**Authority for Requirement:** DNR Construction Permit 04-A-063-S2

Pollutant: Hazardous Air Pollutants (HAPs)  
Emission Limit(s): See Footnote \(^{(3)}\)

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JHW 28 99-TV-039R3: 12/9/2019
The facility is required to meet the organic HAP emission limits found in Table 1 to NESHAP - Subpart OOOO of 40 CFR Part 63.

Authority for Requirement: 567 IAC 23.1(4)"co"  
DNR Construction Permit 04-A-063-S2

**Operational Limits & Requirements**

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

**NESHAP**

The Treaters at this facility are subject to the requirements of 40 CFR, Part 63, Subpart OOOO, “National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles”. Compliance with the requirements of this regulation was required by May 30, 2006. An initial notification report was received on April 24, 2002.

Authority for Requirement: DNR Construction Permit 04-A-063-S2  
567 IAC 23.1(4)"co"  
40 CFR 63 Subpart OOOO – Fabric NESHAP

**Operating Limits**

Operating limits for this emission unit shall be:

A. Treater 202 shall comply with the applicable requirements of Table 1 to Subpart OOOO (40 CFR Part 63) as an existing coating affected source.

B. Treater 202 shall comply with all applicable requirements of § 63.4300 and § 63.4301, General Compliance Requirements, § 63.4320 through § 63.4322, and §63.4330 through § 64.4332 (40 CFR Part 63).

C. Treater oven 202 shall be heated by natural gas or LPG only. Prior to burning any other fuel in this unit, the permittee shall apply for, and obtain, a new construction permit from the DNR. The maximum heat input for Treater oven 202 is 4.5 MMBTU/hr.

D. The maximum coating capacity of Treater 202 is 6,750 square feet per hour.

**Reporting and Recordkeeping:**

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

A. The permittee shall maintain daily records on the identification, the amount (pounds) and the VOC content of each coating and solvent (% by weight) used in Treater 202.

B. The permittee shall maintain the following monthly records:
   i. The identification, the VOC content (% by weight) and the amount (pounds) of each coating and solvent used in the Treaters 201, 202, 203, 204, 206, and 207.
ii. The total monthly VOC emission rate from the following emissions units: Treater 201, Treater 202, Treater 203, Treater 204, Treater 206, and Treater 207. The permittee shall maintain monthly emissions information for each of the emissions units. The monthly VOC emissions from Treater 201, Treater 202, Treater 203, Treater 204, Treater 206, and Treater 207 shall be determined by the following equations:

\[
\text{Total}_{\text{voc}} = \sum \text{E}_{\text{voci}}
\]

Where,

\[
\text{Total}_{\text{voc}} = \text{total monthly actual VOC emissions from Treater 201, Treater 202, Treater 203, Treater 204, Treater 206 and Treater 207}
\]

\[
\text{E}_{\text{voci}} = \text{monthly actual VOC emissions from each Treater, determined by the following:}
\]

\[
\text{E}_{\text{VOC}} = (\sum (\text{PU}_i \times \text{VOC}_i)) \times \text{CE} \times (1 - \text{DE}) \times 1/2000
\]

Where,

\[
\text{E}_{\text{VOC}} = \text{tons of VOC emitted from a Treater}
\]

\[
\text{PU}_i = \text{pounds of an individual coating or solvent used that month}
\]

\[
\text{VOC}_i = \text{VOC content of an individual coating or solvent (% by weight)}
\]

\[
\text{CE}^* = \text{capture efficiency (% of VOC captured and vented to the thermal oxidizer); CE is equal to 1 if the line and oven are equipped with a permanent total enclosure}
\]

\[
\text{DE}^* = \text{destruction efficiency of control device determined by the most recent stack test that demonstrated compliance;}
\]

\[
* \text{Not used if the Treater is not vented to an air pollution control device.}
\]

iii. The rolling, 12-month total of the VOC emission rate from Treater 201, Treater 202, Treater 203, Treater 204, Treater 206 and Treater 207 (tons).

C. The permittee shall maintain all records as required by § 63.4312.

D. The permittee shall submit all notifications and reports required by §63.4310 and § 63.4311.

E. The permittee shall submit deviation reports that identify all exceedances of the rolling 12-month combined emission limitation for VOC for Treater 201, Treater 202, Treater 203, Treater 204, Treater 206 and Treater 207. The report shall be submitted no later than 30 days from the end of the month in which the exceedance had occurred.

Authority for Requirement: DNR Construction Permit 04-A-063-S2
**Emission Point Characteristics**
*The emission point shall conform to the specifications listed below.*

Stack Height, (ft, from the ground): 45  
Stack Opening, (inches, dia.): 30  
Exhaust Flow Rate (scfm): 10,268 \(^{(1)}\)  
Exhaust Temperature (°F): 255  
Discharge Style: Vertical, unobstructed

\(^{(1)}\) The emission point is vented to the atmosphere by a variable-speed fan. The exhaust flow rate presented in the above table indicates the maximum flow rate (scfm) of this fan.  
Authority for Requirement: DNR Construction Permit 04-A-063-S2

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

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

<table>
<thead>
<tr>
<th>Agency Approved Operation &amp; Maintenance Plan Required?</th>
<th>Yes ☐ No ☒</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facility Maintained Operation &amp; Maintenance Plan Required?</td>
<td>Yes ☐ No ☒</td>
</tr>
<tr>
<td>Compliance Assurance Monitoring (CAM) Plan Required?</td>
<td>Yes ☐ No ☒</td>
</tr>
</tbody>
</table>

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: Treater 203 (see Table 1)

Associated Equipment

Table 1

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Numbers</th>
<th>Emission Unit Description</th>
<th>Raw Material</th>
<th>Rated Capacity (raw material)</th>
<th>Rated Capacity (fuel) (MMBtu/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>203-001</td>
<td>203</td>
<td>Treater 203 – Zone 1</td>
<td>Compounded Resin Coat of Web Material, Natural Gas, Propane (back-up)</td>
<td>25,000 sq.ft./hr</td>
<td>3.5</td>
</tr>
<tr>
<td>203-002</td>
<td></td>
<td>Treater 203 – Zone 2</td>
<td></td>
<td></td>
<td>3.5</td>
</tr>
<tr>
<td>203-003</td>
<td></td>
<td>Treater 203 – Zone 3</td>
<td></td>
<td></td>
<td>3.5</td>
</tr>
<tr>
<td>203-004</td>
<td></td>
<td>Treater 203 – Zone 4</td>
<td></td>
<td></td>
<td>3.5</td>
</tr>
</tbody>
</table>

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)
(1) An exceedance of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).
Authority for Requirement: 567 IAC 23.3(2)"d"
DNR Construction Permits 04-A-064-S1, 04-A-065-S1, 04-A-066-S1 and 04-A-067-S1

Pollutant: Particulate Matter
Emission Limit(s): 0.1gr/dscf
Authority for Requirement: 567 IAC 23.3(2)"a"
DNR Construction Permits 04-A-064-S1, 04-A-065-S1, 04-A-066-S1 and 04-A-067-S1

Pollutant: Sulfur Dioxide (SO2)
Emission Limit(s): 500 ppmv
Authority for Requirement: 567 IAC 23.3(3)
DNR Construction Permits 04-A-064-S1, 04-A-065-S1, 04-A-066-S1 and 04-A-067-S1
Table 2

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Number</th>
<th>PM Limit (lb/hr)</th>
<th>PM₁₀ Limit (lb/hr)</th>
<th>VOC Limit (tons per 12 month rolling period)</th>
<th>DNR Construction Permit #</th>
</tr>
</thead>
<tbody>
<tr>
<td>203-001</td>
<td>203</td>
<td>0.51</td>
<td>0.51</td>
<td>961.6</td>
<td>04-A-064-S1</td>
</tr>
<tr>
<td>203-002</td>
<td></td>
<td>2.46</td>
<td>2.46</td>
<td></td>
<td>04-A-065-S1</td>
</tr>
<tr>
<td>203-003</td>
<td></td>
<td>2.24</td>
<td>2.24</td>
<td></td>
<td>04-A-066-S1</td>
</tr>
<tr>
<td>203-004</td>
<td></td>
<td>1.05</td>
<td>1.05</td>
<td></td>
<td>04-A-067-S1</td>
</tr>
</tbody>
</table>

(2) The combined VOC limit for Treater 201, Treater 202, Treater 203, Treater 204, Treater 206, Treater 207 is 961.6 tons per any rolling 12-month period.

Authority for Requirement: DNR Construction Permits 04-A-064-S1, 04-A-065-S1, 04-A-066-S1 and 04-A-067-S1

Operational Limits & Requirements

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

**NESHAP**

The Treaters at this facility are subject to the requirements of 40 CFR, Part 63, Subpart OOOO, “National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles”. Compliance with the requirements of this regulation was required by May 30, 2006. An initial notification report was received on April 24, 2002.

Authority for Requirement: 40 CFR 63 Subpart OOOO – Fabric NESHAP

567 IAC 23.1(4)"co"

DNR Construction Permits 04-A-064-S1, 04-A-065-S1, 04-A-066-S1, and 04-A-067-S1

**Operating Limits**

Operating limits for this emission unit shall be:

A. Treater 203 shall comply with the applicable requirements of Table 1 to Subpart OOOO (40 CFR Part 63) as an existing coating affected source.

B. Treater 203 shall comply with all applicable requirements of § 63.4300 and § 63.4301, General Compliance Requirements, § 63.4320 through § 63.4322, and §63.4330 through § 64.4332 (40 CFR Part 63).

C. Treater oven 203 shall be heated by natural gas or LPG only. Prior to burning any other fuel in this unit, the permittee shall apply for, and obtain, a new construction permit from the DNR. The maximum heat input for Treater oven 203 – zone 1 is 3.5 MMBtu/hr, zone 2 is 3.5 MMBtu/hr, zone 3 is 3.5 MMBtu/hr, and zone 4 is 3.5 MMBtu/hr.

D. The maximum coating capacity of Treater 203 is 25,000 square feet per hour.
Reporting and Recordkeeping:
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.
A. The permittee shall maintain daily records on the identification, the amount (pounds) and the VOC content of each coating and solvent (% by weight) used in Treater 203.

B. The permittee shall maintain the following monthly records:
   i. The identification, the VOC content (% by weight) and the amount (pounds) of each coating and solvent used in the Treaters 201, 202, 203, 204, 206, and 207.
   ii. The total monthly VOC emission rate from the following emissions units: Treater 201, Treater 202, Treater 203, Treater 204, Treater 206, and Treater 207. The permittee shall maintain monthly emissions information for each of the emissions units.

The monthly VOC emissions from Treater 201, Treater 202, Treater 203, Treater 204, Treater 206, and Treater 207 shall be determined by the following equations:

\[ \text{Total}_{\text{VOC}} = \sum E_{\text{VOCi}} \]

Where,

\[ \text{Total}_{\text{VOC}} = \text{total monthly actual VOC emissions from Treater 201, Treater 202, Treater 203, Treater 204, Treater 206 and Treater 207} \]

\[ E_{\text{VOCi}} = \text{monthly actual VOC emissions from each Treater, determined by the following:} \]

\[ E_{\text{VOC}} = \left( \sum (\text{PU}_i \times \text{VOC}_i) \right) \times \text{CE} \times (1 - \text{DE}) \times \frac{1}{2000} \]

Where,

\[ E_{\text{VOC}} = \text{tons of VOC emitted from a Treater} \]

\[ \text{PU}_i = \text{pounds of an individual coating or solvent used that month} \]

\[ \text{VOC}_i = \text{VOC content of an individual coating or solvent (% by weight)} \]

\[ \text{CE}^* = \text{capture efficiency (% of VOC captured and vented to the thermal oxidizer); CE is equal to 1 if the line and oven are equipped with a permanent total enclosure} \]

\[ \text{DE}^* = \text{destruction efficiency of control device determined by the most recent stack test that demonstrated compliance;} \]

* Not used if the Treater is not vented to an air pollution control device.

iii. The rolling, 12-month total of the VOC emission rate from Treater 201, Treater 202, Treater 203, Treater 204, Treater 206 and Treater 207 (tons).

C. The permittee shall maintain all records as required by § 63.4312.

D. The permittee shall submit all notifications and reports required by §63.4310 and § 63.4311.

E. The permittee shall submit deviation reports that identify all exceedances of the rolling 12-month combined emission limitation for VOC for Treater 201, Treater 202, Treater 203, Treater 204, Treater 206 and Treater 207. The report shall be submitted no later than 30 days from the end of the month in which the exceedance had occurred.

Authority for Requirement: DNR Construction Permits 04-A-064-S1, 04-A-065-S1, 04-A-066-S1, and 04-A-067-S1
**Emission Point Characteristics**
*The emission point shall conform to the specifications listed below.*

Table 3  

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Number</th>
<th>Construction Permit #</th>
<th>Height (feet)</th>
<th>Discharge Style</th>
<th>Opening Diameter (inches)</th>
<th>Exhaust Temp. (°F)</th>
<th>Exhaust Flow rate (scfm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>203-001</td>
<td>04-A-064-S1</td>
<td>04-A-064-S1</td>
<td>45</td>
<td>Vertical, unobstructed</td>
<td>51</td>
<td>189</td>
<td>13,336</td>
</tr>
<tr>
<td>203-002</td>
<td>04-A-065-S1</td>
<td>04-A-065-S1</td>
<td>70</td>
<td>Vertical, unobstructed</td>
<td>51</td>
<td>280</td>
<td>9,742</td>
</tr>
<tr>
<td>203-003</td>
<td>04-A-066-S1</td>
<td>04-A-066-S1</td>
<td>70</td>
<td>Vertical, unobstructed</td>
<td>51</td>
<td>286</td>
<td>10,391</td>
</tr>
<tr>
<td>203-004</td>
<td>04-A-067-S1</td>
<td>04-A-067-S1</td>
<td>50</td>
<td>Vertical, unobstructed</td>
<td>51</td>
<td>227</td>
<td>11,375</td>
</tr>
</tbody>
</table>

Authority for Requirement:  DNR Construction Permits 04-A-064-S1, 04-A-065-S1, 04-A-066-S1, and 04-A-067-S1

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

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

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

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

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

Authority for Requirement:  567 IAC 22.108(3)
Emission Point ID Number: Treater 204 (see Table 1)

Associated Equipment

Table 1

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Numbers</th>
<th>Emission Unit Description</th>
<th>Raw Material</th>
<th>Rated Capacity (raw material)</th>
<th>Rated Capacity (fuel) (MMBtu/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>204-001</td>
<td>204</td>
<td>Treater 204 – Zone 1</td>
<td>Compounded Resin Coat of Web Material, Natural Gas, Propane (back-up)</td>
<td>25,000 sq.ft./hr</td>
<td>3.5</td>
</tr>
<tr>
<td>204-002</td>
<td></td>
<td>Treater 204 – Zone 2</td>
<td></td>
<td></td>
<td>3.5</td>
</tr>
<tr>
<td>204-003</td>
<td></td>
<td>Treater 204 – Zone 3</td>
<td></td>
<td></td>
<td>3.5</td>
</tr>
<tr>
<td>204-004</td>
<td></td>
<td>Treater 204 – Zone 4</td>
<td></td>
<td></td>
<td>3.5</td>
</tr>
</tbody>
</table>

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)

(1) An exceedance of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Authority for Requirement: 567 IAC 23.3(2)"d"
DNR Construction Permits 04-A-068-S1, 04-A-069-S1, 04-A-070-S1, and 04-A-071-S1

Pollutant: Particulate Matter
Emission Limit(s): 0.1gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"
DNR Construction Permits 04-A-068-S1, 04-A-069-S1, 04-A-070-S1, and 04-A-071-S1

Pollutant: Sulfur Dioxide (SO₂)
Emission Limit(s): 500 ppmv

Authority for Requirement: 567 IAC 23.3(3)
DNR Construction Permits 04-A-068-S1, 04-A-069-S1, 04-A-070-S1, and 04-A-071-S1
Table 2

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Number</th>
<th>PM (lb/hr) Limit</th>
<th>PM₁₀ (lb/hr) Limit</th>
<th>VOC (tons per 12 month rolling period) (2)</th>
<th>DNR Construction Permit #</th>
</tr>
</thead>
<tbody>
<tr>
<td>204-001</td>
<td>204</td>
<td>0.51</td>
<td>0.51</td>
<td></td>
<td>04-A-068-S1</td>
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<tr>
<td>204-002</td>
<td></td>
<td>2.46</td>
<td>2.46</td>
<td></td>
<td>04-A-069-S1</td>
</tr>
<tr>
<td>204-003</td>
<td></td>
<td>2.24</td>
<td>2.24</td>
<td></td>
<td>04-A-070-S1</td>
</tr>
<tr>
<td>204-004</td>
<td></td>
<td>1.05</td>
<td>1.05</td>
<td>961.6</td>
<td>04-A-071-S1</td>
</tr>
</tbody>
</table>

(2) The combined VOC limit for Treater 201, Treater 202, Treater 203, Treater 204, Treater 206, Treater 207 is 961.6 tons per any rolling 12-month period.

Authority for Requirement: DNR Construction Permits 04-A-068-S1, 04-A-069-S1, 04-A-070-S1, and 04-A-071-S1

Operational Limits & Requirements

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

NESHAP

The Treaters at this facility are subject to the requirements of 40 CFR, Part 63, Subpart OOOO, “National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles”. Compliance with the requirements of this regulation was required by May 30, 2006. An initial notification report was received on April 24, 2002.

Authority for Requirement: DNR Construction Permits 04-A-068-S1, 04-A-069-S1, 04-A-070-S1, and 04-A-071-S1

567 IAC 23.1(4)”co”
40 CFR 63 Subpart OOOO – Fabric NESHAP

Operating Limits

Operating limits for this emission unit shall be:

A. Treater 204 shall comply with the applicable requirements of Table 1 to Subpart OOOO (40 CFR Part 63) as an existing coating affected source.

B. Treater 204 shall comply with all applicable requirements of § 63.4300 and § 63.4301, General Compliance Requirements, § 63.4320 through § 63.4322, and §63.4330 through § 64.4332 (40 CFR Part 63).

C. Treater oven 204 shall be heated by natural gas or LPG only. Prior to burning any other fuel in this unit, the permittee shall apply for, and obtain, a new construction permit from the DNR. The maximum heat input for Treater oven 204 – zone 1 is 3.5 MMBtu/hr, zone 2 is 3.5 MMBtu/hr, zone 3 is 3.5 MMBtu/hr, and zone 4 is 3.5 MMBtu/hr.

D. The maximum coating capacity of Treater 204 is 25,000 square feet per hour.

JHW 37 99-TV-039R3: 12/9/2019
**Reporting and Recordkeeping:**
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

A. The permittee shall maintain daily records on the identification, the amount (pounds) and the VOC content of each coating and solvent (% by weight) used in Treater 204.

B. The permittee shall maintain the following monthly records:
   i. The identification, the VOC content (% by weight) and the amount (pounds) of each coating and solvent used in the Treaters 201, 202, 203, 204, 206, and 207.
   ii. The total monthly VOC emission rate from the following emissions units: Treater 201, Treater 202, Treater 203, Treater 204, Treater 206, and Treater 207. The permittee shall maintain monthly emissions information for each of the emissions units.
   The monthly VOC emissions from Treater 201, Treater 202, Treater 203, Treater 204, Treater 206, and Treater 207 shall be determined by the following equations:
   \[
   \text{Total}_{\text{voc}} = \sum E_{\text{voci}}
   \]
   Where,
   \[
   \text{Total}_{\text{voc}} = \text{total monthly actual VOC emissions from Treater 201, Treater 202, Treater 203, Treater 204, Treater 206 and Treater 207}
   \]
   \[
   E_{\text{voci}} = \text{monthly actual VOC emissions from each Treater, determined by the following:}
   \]
   \[
   E_{\text{VOC}} = ( \sum (\text{PU}_i \times \text{VOC}_i)) \times CE \times (1 - DE) \times 1/2000
   \]
   Where,
   \[
   E_{\text{VOC}} = \text{tons of VOC emitted from a Treater}
   \]
   \[
   \text{PU}_i = \text{pounds of an individual coating or solvent used that month}
   \]
   \[
   \text{VOC}_i = \text{VOC content of an individual coating or solvent (% by weight)}
   \]
   CE* = capture efficiency (% of VOC captured and vented to the thermal oxidizer); CE is equal to 1 if the line and oven are equipped with a permanent total enclosure
   DE* = destruction efficiency of control device determined by the most recent stack test that demonstrated compliance;
   * Not used if the Treater is not vented to an air pollution control device.
   iii. The rolling, 12-month total of the VOC emission rate from Treater 201, Treater 202, Treater 203, Treater 204, Treater 206 and Treater 207 (tons).

C. The permittee shall maintain all records as required by § 63.4312.

D. The permittee shall submit all notifications and reports required by §63.4310 and § 63.4311.

E. The permittee shall submit deviation reports that identify all exceedances of the rolling 12-month combined emission limitation for VOC for Treater 201, Treater 202, Treater 203, Treater 204, Treater 206 and Treater 207. The report shall be submitted no later than 30 days from the end of the month in which the exceedance had occurred.

**Authority for Requirement:** DNR Construction Permits 04-A-068-S1, 04-A-069-S1, 04-A-070-S1, and 04-A-071-S1
**Emission Point Characteristics**
The emission point shall conform to the specifications listed below.

### Table 3

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Number</th>
<th>Construction Permit #</th>
<th>Height (feet)</th>
<th>Discharge Style</th>
<th>Opening Diameter (inches)</th>
<th>Exhaust Temp. (°F)</th>
<th>Exhaust Flow rate (scfm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>204-001</td>
<td>04-A-068-S1</td>
<td>45</td>
<td>Vertical, unobstructed</td>
<td>51</td>
<td>189</td>
<td>12,388</td>
<td></td>
</tr>
<tr>
<td>204-002</td>
<td>04-A-069-S1</td>
<td>60</td>
<td>Vertical, unobstructed</td>
<td>51</td>
<td>280</td>
<td>12,388</td>
<td></td>
</tr>
<tr>
<td>204-003</td>
<td>04-A-070-S1</td>
<td>60</td>
<td>Vertical, unobstructed</td>
<td>51</td>
<td>265</td>
<td>12,388</td>
<td></td>
</tr>
<tr>
<td>204-004</td>
<td>04-A-071-S1</td>
<td>50</td>
<td>Vertical, unobstructed</td>
<td>51</td>
<td>227</td>
<td>12,388</td>
<td></td>
</tr>
</tbody>
</table>

Authority for Requirement: DNR Construction Permits 04-A-068-S1, 04-A-069-S1, 04-A-070-S1, and 04-A-071-S1

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

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

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

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: Treater 206 (see Table 1)

Associated Equipment

Table 1

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Numbers</th>
<th>Emission Unit Description</th>
<th>Raw Material</th>
<th>Rated Capacity (raw material)</th>
<th>Rated Capacity (fuel) (MMBtu/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>206-001</td>
<td>206</td>
<td>Treater 206 – Zone 1</td>
<td>Compounded Resin Coat of Web Material, Natural Gas, Propane</td>
<td>8,750 sq.ft./hr</td>
<td>1.6</td>
</tr>
<tr>
<td>206-002</td>
<td></td>
<td>Treater 206 – Zone 2</td>
<td></td>
<td></td>
<td>1.5</td>
</tr>
<tr>
<td>206-003</td>
<td></td>
<td>Treater 206 – Zone 3</td>
<td></td>
<td></td>
<td>1.5</td>
</tr>
<tr>
<td>206-004</td>
<td></td>
<td>Treater 206 – Zone 4</td>
<td></td>
<td></td>
<td>1.5</td>
</tr>
</tbody>
</table>

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)

(1) An exceedance of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Authority for Requirement: 567 IAC 23.3(2)"d"
DNR Construction Permits 04-A-072-S1, 04-A-073-S1, 04-A-074-S1, and 04-A-075-S1

Pollutant: Particulate Matter
Emission Limit(s): 0.1gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"
DNR Construction Permits 04-A-072-S1, 04-A-073-S1, 04-A-074-S1, and 04-A-075-S1

Pollutant: Sulfur Dioxide (SO2)
Emission Limit(s): 500 ppmv

Authority for Requirement: 567 IAC 23.3(3)
DNR Construction Permits 04-A-072-S1, 04-A-073-S1, 04-A-074-S1, and 04-A-075-S1
Table 2

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Number</th>
<th>PM (lb/hr) Limit</th>
<th>PM$_{10}$ (lb/hr) Limit</th>
<th>VOC (tons per 12 month rolling period)$^{(2)}$</th>
<th>DNR Construction Permit #</th>
</tr>
</thead>
<tbody>
<tr>
<td>206-001</td>
<td>206</td>
<td>0.18</td>
<td>0.18</td>
<td></td>
<td>04-A-072-S1</td>
</tr>
<tr>
<td>206-002</td>
<td></td>
<td>0.86</td>
<td>0.86</td>
<td></td>
<td>04-A-073-S1</td>
</tr>
<tr>
<td>206-003</td>
<td></td>
<td>0.78</td>
<td>0.78</td>
<td></td>
<td>04-A-074-S1</td>
</tr>
<tr>
<td>206-004</td>
<td></td>
<td>0.37</td>
<td>0.37</td>
<td>961.6</td>
<td>04-A-075-S1</td>
</tr>
</tbody>
</table>

$^{(2)}$ The combined VOC limit for Treater 201, Treater 202, Treater 203, Treater 204, Treater 206, Treater 207 is 961.6 tons per any rolling 12-month period.

Authority for Requirement: DNR Construction Permits 04-A-072-S1, 04-A-073-S1, 04-A-074-S1, and 04-A-075-S1

**Operational Limits & Requirements**

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

**NESHAP**

The Treaters at this facility are subject to the requirements of 40 CFR, Part 63, Subpart OOOO, “National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles”. Compliance with the requirements of this regulation was required by May 30, 2006. An initial notification report was received on April 24, 2002.

Authority for Requirement: 40 CFR 63 Subpart OOOO – Fabric NESHAP

567 IAC 23.1(4)"co"

DNR Construction Permits 04-A-072-S1, 04-A-073-S1, 04-A-074-S1, and 04-A-075-S1

**Operating Limits**

Operating limits for this emission unit shall be:

A. Treater 206 shall comply with the applicable requirements of Table 1 to Subpart OOOO (40 CFR Part 63) as an existing coating affected source.

B. Treater 206 shall comply with all applicable requirements of § 63.4300 and § 63.4301, General Compliance Requirements, § 63.4320 through § 63.4322, and §63.4330 through § 64.4332 (40 CFR Part 63).

C. Treater oven 206 shall be heated by natural gas or LPG only. Prior to burning any other fuel in this unit, the permittee shall apply for, and obtain, a new construction permit from the DNR. The maximum heat input for Treater oven 206 – zone 1 is 1.6 MMBtu/hr, zone 2 is 1.5 MMBtu/hr, zone 3 is 1.5 MMBtu/hr, and zone 4 is 1.5 MMBtu/hr.

D. The maximum coating capacity of Treater 206 is 8,750 square feet per hour.
Reporting and Recordkeeping:
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.
A. The permittee shall maintain daily records on the identification, the amount (pounds) and the VOC content of each coating and solvent (% by weight) used in Treater 206.

B. The permittee shall maintain the following monthly records:
   i. The identification, the VOC content (% by weight) and the amount (pounds) of each coating and solvent used in the Treaters 201, 202, 203, 204, 206, and 207.
   ii. The total monthly VOC emission rate from the following emissions units: Treater 201, Treater 202, Treater 203, Treater 204, Treater 206, and Treater 207. The permittee shall maintain monthly emissions information for each of the emissions units.

   The monthly VOC emissions from Treater 201, Treater 202, Treater 203, Treater 204, Treater 206, and Treater 207 shall be determined by the following equations:
   \[
   \text{Total}_{\text{VOC}} = \sum E_{\text{Voci}}
   \]
   Where,
   \[
   \text{Total}_{\text{VOC}} = \text{total monthly actual VOC emissions from Treater 201, Treater 202, Treater 203, Treater 204, Treater 206 and Treater 207}
   \]
   \[
   E_{\text{Voci}} = \text{monthly actual VOC emissions from each Treater, determined by the following:}
   \]
   \[
   E_{\text{VOC}} = \left( \sum \left( P_{\text{Ui}} \times \text{VOC}_{\text{i}} \right) \right) \times \text{CE} \times (1 – \text{DE}) \times \frac{1}{2000}
   \]
   Where,
   \[
   E_{\text{VOC}} = \text{tons of VOC emitted from a Treater}
   \]
   \[
   P_{\text{Ui}} = \text{pounds of an individual coating or solvent used that month}
   \]
   \[
   \text{VOC}_{\text{i}} = \text{VOC content of an individual coating or solvent (% by weight)}
   \]
   \[
   \text{CE} = \text{capture efficiency (% of VOC captured and vented to the thermal oxidizer); CE is equal to 1 if the line and oven are equipped with a permanent total enclosure}
   \]
   \[
   \frac{1}{2000}
   \]
   \[
   \text{DE} = \text{destruction efficiency of control device determined by the most recent stack test that demonstrated compliance;}
   \]
   \[
   \text{Not used if the Treater is not vented to an air pollution control device.}
   \]
   iii. The rolling, 12-month total of the VOC emission rate from Treater 201, Treater 202, Treater 203, Treater 204, Treater 206 and Treater 207 (tons).

C. The permittee shall maintain all records as required by § 63.4312.

D. The permittee shall submit all notifications and reports required by §63.4310 and § 63.4311.

E. The permittee shall submit deviation reports that identify all exceedances of the rolling 12-month combined emission limitation for VOC for Treater 201, Treater 202, Treater 203, Treater 204, Treater 206 and Treater 207. The report shall be submitted no later than 30 days from the end of the month in which the exceedance had occurred.

Authority for Requirement: DNR Construction Permits 04-A-072-S1, 04-A-073-S1, 04-A-074-S1, and 04-A-075-S1
**Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

Table 3

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Number</th>
<th>Construction Permit #</th>
<th>Height (feet)</th>
<th>Discharge Style</th>
<th>Opening Diameter (inches)</th>
<th>Exhaust Temp. (°F)</th>
<th>Exhaust Flow rate (scfm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>206-001</td>
<td>04-A-072-S1</td>
<td>206</td>
<td>32.2</td>
<td>Vertical, unobstructed</td>
<td>27</td>
<td>225</td>
<td>7584</td>
</tr>
<tr>
<td>206-002</td>
<td>04-A-073-S1</td>
<td></td>
<td>50</td>
<td>Vertical, unobstructed</td>
<td>27</td>
<td>300</td>
<td>5160</td>
</tr>
<tr>
<td>206-003</td>
<td>04-A-074-S1</td>
<td></td>
<td>60</td>
<td>Vertical, unobstructed</td>
<td>27</td>
<td>300</td>
<td>4729</td>
</tr>
<tr>
<td>206-004</td>
<td>04-A-075-S1</td>
<td></td>
<td>45</td>
<td>Vertical, unobstructed</td>
<td>27</td>
<td>300</td>
<td>4847</td>
</tr>
</tbody>
</table>

Authority for Requirement: DNR Construction Permits 04-A-072-S1, 04-A-073-S1, 04-A-074-S1 and 04-A-075-S1

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

**Monitoring Requirements**

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

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

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: Treater 207 (see Table 1)

Associated Equipment

Table 1

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Numbers</th>
<th>Emission Unit Description</th>
<th>Raw Material</th>
<th>Rated Capacity (raw material)</th>
<th>Rated Capacity (fuel) (MMBtu/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>207-001</td>
<td>207</td>
<td>Treater 207 – Zone 1</td>
<td>Compounded Resin Coat of Web Material, Natural Gas, Propane (backup)</td>
<td>25,000 sq.ft./hr</td>
<td>1.5</td>
</tr>
<tr>
<td>207-002</td>
<td>207</td>
<td>Treater 207—Zone 1 &amp; 2</td>
<td></td>
<td></td>
<td>1.5 &amp; 1.5</td>
</tr>
<tr>
<td>207-003</td>
<td>207</td>
<td>Treater 207 – Zone 2</td>
<td></td>
<td></td>
<td>1.5</td>
</tr>
<tr>
<td>207-004</td>
<td>207</td>
<td>Treater 207 – Zone 3</td>
<td></td>
<td></td>
<td>1.5</td>
</tr>
<tr>
<td>207-005</td>
<td>207</td>
<td>Treater 207 – Zone 3</td>
<td></td>
<td></td>
<td>1.5</td>
</tr>
<tr>
<td>207-006</td>
<td>207</td>
<td>Treater 207 – Zone 4</td>
<td></td>
<td></td>
<td>1.35</td>
</tr>
</tbody>
</table>

**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)

(1) An exceedance of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

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

DNR Construction Permits 04-A-076-S1, 88-A-003-S4, 04-A-078-S1, 04-A-079-S1, and 04-A-080-S1

Pollutant: Particulate Matter

Emission Limit(s): 0.1gr/dscf

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

DNR Construction Permits 04-A-076-S1, 88-A-003-S4, 04-A-078-S1, 04-A-079-S1, and 04-A-080-S1

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

Authority for Requirement: 567 IAC 23.3(3)

DNR Construction Permits 04-A-076-S1, 88-A-003-S4, 04-A-078-S1, 04-A-079-S1, and 04-A-080-S1
Table 2

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Number</th>
<th>PM (lb/hr) Limit</th>
<th>PM$_{10}$ (lb/hr) Limit</th>
<th>VOC (tons per 12 month rolling period)$^{(2)}$</th>
<th>DNR Construction Permit #</th>
</tr>
</thead>
<tbody>
<tr>
<td>207-001</td>
<td>207</td>
<td>0.51</td>
<td>0.51</td>
<td></td>
<td>04-A-076-S1</td>
</tr>
<tr>
<td>207-002</td>
<td>207</td>
<td>--</td>
<td>--</td>
<td></td>
<td>--</td>
</tr>
<tr>
<td>207-003</td>
<td>207</td>
<td>2.46</td>
<td>2.46</td>
<td>215</td>
<td>88-A-003-S4</td>
</tr>
<tr>
<td>207-004</td>
<td>207</td>
<td>2.24</td>
<td>2.24</td>
<td></td>
<td>04-A-078-S1</td>
</tr>
<tr>
<td>207-005</td>
<td>207</td>
<td>1.05</td>
<td>1.05</td>
<td></td>
<td>04-A-079-S1</td>
</tr>
<tr>
<td>207-006</td>
<td>207</td>
<td>1.05</td>
<td>1.05</td>
<td></td>
<td>04-A-080-S1</td>
</tr>
</tbody>
</table>

$^{(2)}$ The combined VOC limit for Treater 201, Treater 202, Treater 203, Treater 204, Treater 206, and Treater 207 is 961.6 tons per any rolling 12-month period.


Operational Limits & Requirements

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

NESHAP

The Treaters at this facility are subject to the requirements of 40 CFR, Part 63, Subpart OOOO, “National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles”. Compliance with the requirements of this regulation was required by May 30, 2006. An initial notification report was received on April 24, 2002.

Authority for Requirement: 40 CFR 63 Subpart OOOO – Fabric NESHAP

567 IAC 23.1(4)“co”

DNR Construction Permits 04-A-076-S1, 88-A-003-S4, 04-A-078-S1, 04-A-079-S1, and 04-A-080-S1

Operating Limits

Operating limits for this emission unit shall be:

A. Treater 207 shall comply with the applicable requirements of Table 1 to Subpart OOOO (40 CFR Part 63) as an existing coating affected source.

B. Treater 207 shall comply with all applicable requirements of § 63.4292, operating limits, § 63.4293, work practice standards, § 63.4300 and § 63.4301, General Compliance Requirements, § 63.4350 through § 63.4352, and § 63.4360 through § 63.4364.

C. Treater oven 207 shall be heated by natural gas or LPG only. Prior to burning any other fuel in this unit, the permittee shall apply for, and obtain, a new construction permit from the DNR. The maximum heat input for Treater oven 207 – zone 1 is 1.5 MMBtu/hr, zone 2 is 1.5 MMBtu/hr, zone 3 is 1.5 MMBtu/hr, and zone 4 is 1.35 MMBtu/hr.

D. The maximum coating capacity of Treater 207 is 25,000 square feet per hour.
Reporting and Recordkeeping:

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

A. The permittee shall maintain daily records on the identification, the amount (pounds) and the VOC content of each coating and solvent (% by weight) used in Treater 207.

B. The permittee shall maintain the following monthly records:
   i. The identification, the VOC content (% by weight) and the amount (pounds) of each coating and solvent used in the Treaters 201, 202, 203, 204, 206, and 207.
   ii. The total monthly VOC emission rate from the following emissions units: Treater 201, Treater 202, Treater 203, Treater 204, Treater 206, and Treater 207. The permittee shall maintain monthly emissions information for each of the emissions units.
      The monthly VOC emissions from Treater 201, Treater 202, Treater 203, Treater 204, Treater 206, and Treater 207 shall be determined by the following equations:
      \[ \text{Total}_{\text{voc}} = \sum E_{\text{voci}} \]
      Where,
      \[ \text{Total}_{\text{voc}} = \text{total monthly actual VOC emissions from Treater 201, Treater 202, Treater 203, Treater 204, Treater 206 and Treater 207} \]
      \[ E_{\text{voci}} = \text{monthly actual VOC emissions from each Treater, determined by the following:} \]
      \[ E_{\text{VOC}} = ( \sum ( PU_i \times VOC_i ) ) \times CE \times (1 – DE) \times \frac{1}{2000} \]
      Where,
      \[ E_{\text{VOC}} = \text{tons of VOC emitted from a Treater} \]
      \[ PU_i = \text{pounds of an individual coating or solvent used that month} \]
      \[ VOC_i = \text{VOC content of an individual coating or solvent (% by weight)} \]
      \[ CE^* = \text{capture efficiency (% of VOC captured and vented to the thermal oxidizer); CE is equal to 1 if the line and oven are equipped with a permanent total enclosure} \]
      \[ DE^* = \text{destruction efficiency of control device determined by the most recent stack test that demonstrated compliance;} \]
      \[ * \text{Not used if the Treater is not vented to an air pollution control device.} \]
      iii. The rolling, 12-month total of the VOC emission rate from Treater 201, Treater 202, Treater 203, Treater 204, Treater 206 and Treater 207 (tons).

C. The permittee shall maintain all records as required by § 63.4312.

D. The permittee shall submit all notifications and reports required by §63.4310 and § 63.4311.

E. The permittee shall submit deviation reports that identify all exceedances of the rolling 12-month combined emission limitation for VOC for Treater 201, Treater 202, Treater 203, Treater 204, Treater 206 and Treater 207. The report shall be submitted no later than 30 days from the end of the month in which the exceedance had occurred.

F. The permittee shall submit deviation reports that identify all exceedances of the rolling 12-month combined emission limitation for VOC for treater 201, treater 202, treater 203, treater
204, treater 206 and treater 207. The report shall be submitted no later than 30 days from the end of the month in which the exceedance had occurred.


**Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Number</th>
<th>Construction Permit #</th>
<th>Height (feet)</th>
<th>Discharge Style</th>
<th>Opening Diameter (inches)</th>
<th>Exhaust Temp. (°F)</th>
<th>Exhaust Flow rate (scfm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>207-001</td>
<td></td>
<td>04-A-076-S1</td>
<td>50</td>
<td>Vertical, unobstructed</td>
<td>18</td>
<td>300</td>
<td>4309</td>
</tr>
<tr>
<td>207-002</td>
<td>--</td>
<td>88-A-003-S4</td>
<td>50</td>
<td>Vertical, unobstructed</td>
<td>18</td>
<td>300</td>
<td>4309</td>
</tr>
<tr>
<td>207-003</td>
<td>04-A-078-S1</td>
<td>70</td>
<td>Vertical, unobstructed</td>
<td>18</td>
<td>300</td>
<td>4309</td>
<td></td>
</tr>
<tr>
<td>207-005</td>
<td>04-A-079-S1</td>
<td>60</td>
<td>Vertical, unobstructed</td>
<td>27</td>
<td>300</td>
<td>4309</td>
<td></td>
</tr>
<tr>
<td>207-006</td>
<td>04-A-080-S1</td>
<td>60</td>
<td>Vertical, unobstructed</td>
<td>20</td>
<td>300</td>
<td>4309</td>
<td></td>
</tr>
</tbody>
</table>


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

**Monitoring Requirements**

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

**Agency Approved Operation & Maintenance Plan Required?**

- Yes ☐ No ☒

**Facility Maintained Operation & Maintenance Plan Required?**

- Yes ☐ No ☒

**Compliance Assurance Monitoring (CAM) Plan Required?**

- Yes ☐ No ☒

Authority for Requirement: 567 IAC 22.108(3)
**Emission Point ID Number:** 280-001

**Associated Equipment**

Associated Emission Unit ID Numbers: 208 and 207  
Emissions Control Equipment ID Number: CE-280  
Emissions Control Equipment Description: ABB Thermal Oxidizer

---

Emission Unit vented through this Emission Point: 208  
Emission Unit Description: Treater 208  
Raw Material/Fuel: Compounded Resin Coat of Web Material, Natural Gas, Propane (back-up)  
Rated Capacity: 25,000 sq.ft./hr, Treater 208 Oven = 4.2 MMBtu/hr, CE-280 = 11.6 MMBtu/hr

Emission Unit vented through this Emission Point: 207  
Emission Unit Description: Treater 207 Zones 1 & 2  
Raw Material/Fuel: Compounded Resin Coat of Web Material, Natural Gas, Propane (back-up)  
Rated Capacity: 25,000 sq.ft./hr, 1.5 MMBtu/hr

---

**Applicable Requirements**

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

Pollutant: Opacity  
Emission Limit(s): 40% (1)  
(1) An exceedance of the indicator opacity of "no visible emissions" will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).  
Authority for Requirement: 567 IAC 23.3(2)"d"  
DNR Construction Permit 04-A-081

Pollutant: PM\(_{10}\)  
Emission Limit(s): 0.3 lb/hr  
Authority for Requirement: DNR Construction Permit 04-A-081

Pollutant: Particulate Matter  
Emission Limit(s): 0.1gr/dscf, 0.3 lb/hr  
Authority for Requirement: 567 IAC 23.3(2)"a"  
DNR Construction Permit 04-A-081

Pollutant: Sulfur Dioxide (SO\(_{2}\))  
Emission Limit(s): 500 ppmv  
Authority for Requirement: 567 IAC 23.3(3)  
DNR Construction Permit 04-A-081
Pollutant: Volatile Organic Compounds (VOC)

Emission Limit(s): 39 tons per 12-month rolling total

(2) The combined VOC limit for Treater 201, Treater 202, Treater 203, Treater 204, Treater 206, Treater 207 is 961.6 tons per any rolling 12-month period.

(3) Treater 208 and the treater oven shall be equipped with a permanent total enclosure. Captured VOC emissions shall be reduced by at least 97% by the thermal oxidizer.

Authority for Requirement: 567 IAC 23.1(2)"iii"

DNR Construction Permit 04-A-081

Operational Limits & Requirements

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

NSPS

Treater 208 and the treater oven are subject to the requirements of 40 CFR, Part 60, Subpart VVV, "Standards of Performance for Polymeric Coating of Supporting Substrates Facilities". The equipment subject to this standard is the coating applicator, any flashoff areas, and drying ovens located between a substrate unwind station and a rewind station that coats a continuous web to produce a substrate with a polymeric coating. Compliance with the requirements of this regulation is required by not later than 60 days after achieving maximum production or 180 days after initial startup, whichever date comes first. Coating mix preparation equipment associated with treater 208 is also subject to the requirements of the subpart.

Authority for Requirement: 40 CFR 60 Subpart VVV

567 IAC 23.1(2)"bv"

NESHAP

The treaters at this facility are subject to the requirements of 40 CFR, Part 63, Subpart OOOO, “National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles.” Compliance with the requirements of this regulation was required by May 30, 2006. An initial notification report was received on April 24, 2002.

Authority for Requirement: 40 CFR 63 Subpart OOOO – Fabric NESHAP

567 IAC 23.1(4)"co"

Operating Limits

Operating limits for this emission unit shall be:

A. Treater 208 is a new emissions unit. It replaces existing treater 208 which has been shutdown and removed from the facility.

B. The permittee shall install, operate, and maintain a total enclosure around the treater 208 coating operation and treater oven and vent the captured VOC and HAP emissions from the total enclosure to a thermal oxidizer that reduces VOC and organic HAP emissions by at least 97% by weight. This efficiency is more stringent than the required efficiency of 95% from § 60.742.
C. The permittee shall vent VOC and organic HAP emissions from the zones 1 and 2 of treater 207 oven (formerly EP 207-001) to a thermal oxidizer that reduces VOC emissions by at least 97% by weight.

D. For treater 208, the permittee shall comply with the applicable requirements of § 60.743(b), “Compliance Provisions”, including:
   i. Demonstrate that a permanent total enclosure has been installed. The total enclosure shall meet all the criteria in Method 204 of appendix M to 40 CFR Part 51. All exhaust gases from the enclosure shall be directed to the thermal oxidizer.

E. For the coating mix preparation equipment used for treater 208, the permittee shall comply with the applicable requirements of § 60.743(c), “Compliance Provisions”, including:
   i. The covers for the coating mix equipment shall meet the requirements of § 60.743(c)(1) and (2) whenever preparation of coating is taking place within the mix equipment.
   ii. The mixing equipment shall be vented to the thermal oxidizer while preparation of the coating is taking place.

F. The average combustion temperature within the thermal oxidizer, for any three hour block of time when treater 208 is in operation, shall not be more than 28 degrees Celsius (82 degrees Fahrenheit) below the average temperature during the most recent stack test that demonstrated that the emissions unit was in compliance.

G. Treater 207 and treater 208 shall comply with the applicable requirements of Table 1 to Subpart OOOO as existing coating affected sources.

H. Treater 207 and treater 208 shall comply with all applicable requirements of §§63.4292, operating limits, § 63.4293, work practice standards, § 63.4300 and § 63.4301, General Compliance Requirements, § 63.4350 through § 63.4352, and §63.4360 through § 64.4364.

I. Treater oven 208, treater oven 207 and the thermal oxidizer shall be heated by natural gas or LPG only. Prior to burning any other fuel in this unit, the permittee shall apply for, and obtain, a new construction permit from the DNR. The maximum heat input for treater oven 208 is 4.2 MMBTU/hr. The maximum heat input for the thermal oxidizer is 11.6 MMBTU/hr.

J. The maximum coating capacity of treater 208 is 25,000 square feet per hour.

K. The maximum coating capacity of treater 207 is 25,000 square feet per hour.
**Reporting and Recordkeeping:**
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

A. In accordance with §60.744(a), the permittee shall install all monitoring devices required by the NSPS prior to the initial compliance stack test in locations where representative values of the monitored values will be obtained.

B. In accordance with §60.744(e), the permittee shall install, calibrate, maintain, and operate, according to the manufacturer’s specifications, a monitoring device that continuously indicates and records the combustion temperature of the thermal oxidizer. The monitoring device shall have an accuracy within +/- 1 percent of the temperature being measured in Celsius (or Fahrenheit).

C. In accordance with §60.744(h), the permittee shall follow the procedures described in §60.744(g) to establish a monitoring system for the permanent total enclosure on treater 208.

D. In accordance with §60.744(i), the permittee shall record time periods of coating operations on treater 208 when the thermal oxidizer is malfunctioning or not in use.

E. Treater 207 and treater 208 shall comply with all applicable requirements of §63.4363 and §63.4364.

F. The permittee shall maintain daily records on the identification, the amount (pounds) and the VOC content of each coating and solvent (% by weight) used in treater 207 and 208.

G. The permittee shall maintain the following monthly records:
   i. The identification, the VOC content (% by weight) and the amount (pounds) of each coating and solvent used in the treaters 201, 202, 203, 204, 206, 207 and 208.

   ii. The monthly VOC emission rate from treater 208 (tons). The monthly VOC emissions from treater 208 shall be determined by the following equation:
   \[ E_{\text{VOC}} = \left( \sum (PU_i \times VOC_i) \right) \times CE \times (1 – DE) \times 1/2000 \]
   Where,
   \[ E_{\text{VOC}} \] = tons of VOC emitted from treater 208
   \[ PU_i \] = pounds of an individual coating or solvent used that month in treater 208
   \[ VOC_i \] = VOC content of an individual coating or solvent (% by weight) used in treater 208
   \[ CE \] = capture efficiency (% of VOC captured and vented to the thermal oxidizer); CE is equal to 1 if the line and oven are equipped with a permanent total enclosure
   \[ DE \] = destruction efficiency of the thermal oxidizer determined by the most recent stack test that demonstrated compliance

   iii. The rolling, 12-month total of the VOC emission rate from treater 208 (tons).
iv. The monthly VOC emission rate from treater 207 (tons). The monthly VOC emissions from treater 207 shall be determined by the following equation:

$$E_{VOC} = (\sum (PU_i \times VOC_i)) \times CE \times (1 - DE) \times 1/2000$$

Where,

- $E_{VOC}$ = tons of VOC emitted from treater 207
- $PU_i$ = pounds of an individual coating or solvent used that month in treater 207
- $VOC_i$ = VOC content of an individual coating (% by weight) used in treater 207
- $CE$ = capture efficiency (% of VOC captured and vented to the thermal oxidizer); $CE$ is equal to 1 if the line and oven are equipped with a permanent total enclosure
- $DE$ = destruction efficiency of the thermal oxidizer determined by the most recent stack test that demonstrated compliance;

v. The rolling, 12-month total of the VOC emission rate from treater 207 (tons).

vi. The total monthly VOC emission rate from the following emissions units: treater 201, treater 202, treater 203, treater 204, treater 206, and treater 207. The permittee shall maintain monthly emissions information for each of the emissions units.

The monthly VOC emissions from treater 201, treater 202, treater 203, treater 204, treater 206, and treater 207 shall be determined by the following equations:

$$Total_{voc} = \sum E_{voci}$$

Where,

- $Total_{voc}$ = total monthly actual VOC emissions from treater 201, treater 202, treater 203, treater 204, treater 206 and treater 207
- $E_{voci}$ = monthly actual VOC emissions from each treater, determined by the following:

$$E_{VOC} = (\sum (PU_i \times VOC_i)) \times CE \times (1 - DE) \times 1/2000$$

Where,

- $E_{VOC}$ = tons of VOC emitted from a treater
- $PU_i$ = pounds of an individual coating or solvent used that month
- $VOC_i$ = VOC content of an individual coating or solvent (% by weight)
- $CE*$ = capture efficiency (% of VOC captured and vented to the thermal oxidizer); $CE$ is equal to 1 if the line and oven are equipped with a permanent total enclosure
- $DE*$ = destruction efficiency of control device determined by the most recent stack test that demonstrated compliance;
- * Not used if the treater is not vented to an air pollution control device.

vii. The rolling, 12-month total of the VOC emission rate from treater 201, treater 202, treater 203, treater 204, treater 206 and treater 207 (tons).

H. In accordance with §60.747(d)(4) and (d)(6), the permittee shall maintain records and submit quarterly reports to the DNR documenting the following:

i. All 3-hour blocks of time when treater 208 was in operation during which the average combustion temperature of the thermal oxidizer was more than 28 degrees Celsius (82 degrees F) below the average combustion temperature of the oxidizer during the most recent stack test that demonstrated compliance.
ii. All 3-hour blocks of time when treater 208 was in operation during which the average total enclosure monitor readings vary by 5 percent or more from the average value measured during the most recent stack test that demonstrated compliance.

These reports shall be submitted no later than 30 days from the end of each calendar quarter. The first quarter shall cover January 1 to March 31. The second quarter shall cover April 1 to June 30. The third quarter shall cover July 1 to September 30. The fourth quarter shall cover October 1 to December 31.

If no deviations occurred during a calendar quarter, no report is required to be submitted. However, in accordance with § 60.747(d)(7), the permittee is required to submit a semiannual statement clarifying this fact.

I. In accordance with §60.747(f) the permittee shall submit quarterly reports to the DNR for:
   i. all periods during actual mixing or coating operations on treater 208 when a required monitoring device was malfunctioning or not operating; and
   ii. all periods during actual mixing or coating operations on treater 208 when the thermal oxidizer was malfunctioning or not operating.

These reports shall be submitted no later than 30 days from the end of each calendar quarter. The first quarter shall cover January 1 to March 31. The second quarter shall cover April 1 to June 30. The third quarter shall cover July 1 to September 30. The fourth quarter shall cover October 1 to December 31.

If no deviations occurred during a calendar quarter, no report is required to be submitted. However, in accordance with § 60.747(d)(7), the permittee is required to submit a semiannual statement clarifying this fact.

J. The permittee shall maintain all records as required by § 63.4312.

K. The permittee shall submit all notifications and reports required by §63.4310 and § 63.4311.

L. The permittee shall submit deviation reports that identify all exceedances of the rolling 12-month emission limitation for VOC for treater 208. The report shall be submitted no later than 30 days from the end of the month in which the exceedance had occurred.

M. The permittee shall submit deviation reports that identify all exceedances of the rolling 12-month emission limitation for VOC for treater 207. The report shall be submitted no later than 30 days from the end of the month in which the exceedance had occurred.

N. The permittee shall submit deviation reports that identify all exceedances of the rolling 12-month combined emission limitation for VOC for treater 201, treater 202, treater 203, treater 204, treater 206 and treater 207. The report shall be submitted no later than 30 days from the end of the month in which the exceedance had occurred.

Authority for Requirement: DNR Construction Permit 04-A-081
**Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

Stack Height, (ft, from the ground): 40  
Stack Opening, (inches, dia.): 36  
Exhaust Flow Rate (scfm): 20,800  
Exhaust Temperature (°F): 650-850  
Discharge Style: Vertical, unobstructed  
Authority for Requirement: DNR Construction Permit 04-A-081

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

**Monitoring Requirements**

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

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☑

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☑

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

See CAM Plan in Appendix A

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: 210-001

Associated Equipment

Associated Emission Unit ID Numbers: 210

Emission Unit vented through this Emission Point: 210
Emission Unit Description: West End of Treaters Room Vent – Fugitive Clean-up Solvent
Emissions from treaters 202, 203, 204, 206, 207, and 208
Raw Material/Fuel: Compounded Resin Coat of Web Material, Natural Gas, Propane (back-up)
Rated Capacity: Unknown

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 emission limits at this time.

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

NESHAP
The clean-up solvent equipment at this facility is subject to the requirements of 40 CFR, Part 63, Subpart OOOO, “National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles.” Compliance with the requirements of this regulation was required by May 30, 2006. (40 CFR 63.4282(b)(3-4))

Authority for Requirement: 40 CFR 63 Subpart OOOO – Fabric NESHAP
567 IAC 23.1(4)"co"

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: Laminate Presses (see Table 1)

Associated Equipment

Table 1

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Numbers</th>
<th>Emission Unit Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>301-001</td>
<td>301</td>
<td>Laminate Press</td>
<td>B-Stage Laminate</td>
<td>N/A</td>
</tr>
<tr>
<td>302-001</td>
<td>302</td>
<td>Laminate Press</td>
<td>B-Stage Laminate</td>
<td>N/A</td>
</tr>
<tr>
<td>303-001</td>
<td>303</td>
<td>Laminate Press</td>
<td>B-Stage Laminate</td>
<td>N/A</td>
</tr>
<tr>
<td>304-001</td>
<td>304</td>
<td>Laminate Press</td>
<td>B-Stage Laminate</td>
<td>N/A</td>
</tr>
<tr>
<td>305-001</td>
<td>305</td>
<td>Laminate Press</td>
<td>B-Stage Laminate</td>
<td>N/A</td>
</tr>
<tr>
<td>306-001</td>
<td>306</td>
<td>Laminate Press</td>
<td>B-Stage Laminate</td>
<td>N/A</td>
</tr>
<tr>
<td>307-001</td>
<td>307</td>
<td>Laminate Press</td>
<td>B-Stage Laminate</td>
<td>N/A</td>
</tr>
<tr>
<td>308-001</td>
<td>308</td>
<td>Laminate Press</td>
<td>B-Stage Laminate</td>
<td>N/A</td>
</tr>
<tr>
<td>309-001</td>
<td>309</td>
<td>Laminate Press</td>
<td>B-Stage Laminate</td>
<td>N/A</td>
</tr>
<tr>
<td>310-001</td>
<td>310</td>
<td>Laminate Press</td>
<td>B-Stage Laminate</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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 limits at this time

Operational Limits & Requirements

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

NESHAP

The presses at this facility are subject to the requirements of 40 CFR, Part 63, Subpart OOOO, “National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles”. Compliance with the requirements of this regulation was required by May 30, 2006. (40 CFR 63.4282(b)(1))

Authority for Requirement: 40 CFR 63 Subpart OOOO – Fabric NESHAP 567 IAC 23.1(4)"co"
**Monitoring Requirements**

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

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agency Approved Operation &amp; Maintenance Plan</td>
<td>☐</td>
<td>☑</td>
</tr>
<tr>
<td>Facility Maintained Operation &amp; Maintenance Plan</td>
<td>☐</td>
<td>☑</td>
</tr>
<tr>
<td>Compliance Assurance Monitoring (CAM) Plan</td>
<td>☐</td>
<td>☑</td>
</tr>
</tbody>
</table>

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: 404-001

Associated Equipment

Associated Emission Unit ID Numbers: see Table 1
Emissions Control Equipment ID Number: CE 404A
Emissions Control Equipment Description: Torit Model DFT3-24

Table 1 - Laminate Finishing Operation

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Numbers</th>
<th>Emission Unit Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>404-001</td>
<td>404</td>
<td>Saw</td>
<td>Laminate</td>
<td>1,800 lb/hr</td>
</tr>
<tr>
<td></td>
<td>405</td>
<td>Saw</td>
<td>Laminate</td>
<td>2,400 lb/hr</td>
</tr>
<tr>
<td></td>
<td>418</td>
<td>Sander</td>
<td>Laminate</td>
<td>1,200 sq. ft./hr</td>
</tr>
<tr>
<td></td>
<td>588</td>
<td>Lathe</td>
<td>Laminate</td>
<td>0.187 in/rev &amp; 0.39 lb/hr</td>
</tr>
<tr>
<td></td>
<td>601B</td>
<td>Sander</td>
<td>Laminate</td>
<td>1,100 sq. ft./hr</td>
</tr>
</tbody>
</table>

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)
(1) An exceedance of the indicator opacity of (10%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).
Authority for Requirement: 567 IAC 23.3(2)"d"
DNR Construction Permit 97-A-601-S4

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf, 2.04 lb/hr
Authority for Requirement: 567 IAC 23.3(2)"a"
DNR Construction Permit 97-A-601-S4
Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Requirements with Associated Monitoring and Recordkeeping

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

A. The owner or operator shall inspect and maintain the baghouse (CE 404A) according to the manufacturer’s and/or user’s specifications and instructions.

i. The owner or operator shall keep a log of all maintenance and inspection activities performed on the baghouse (CE 404A). At a minimum, this log shall include:

   1. Weekly pressure drop across the baghouse filters (CE 404A);
   2. The date that any inspection and/or maintenance was performed on the baghouse;
   3. Any issues identified during the inspection;
   4. Any issues addressed during the maintenance activities and the date each issue was resolved; and
   5. Identification of the staff member performing the maintenance or inspection.

B. The owner or operator shall start the baghouse (CE 404A) monitoring and recordkeeping required in Condition A (shown above) by no later than January 31, 2018.

Authority for Requirement: DNR Construction Permit 97-A-601-S4

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

Stack Height, (ft, from the ground): 24
Stack Opening, (inches, dia.): 13.5 x 20.4
Exhaust Flow Rate (scfm): 6,845
Exhaust Temperature (°F): 96
Discharge Style: Horizontal

Authority for Requirement: DNR Construction Permit 97-A-601-S4

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

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

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

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

See CAM Plan in Appendix A

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: 496-001

Associated Equipment

Emission Unit vented through this Emission Point: 496
Emission Unit Description: Post-Bake Oven
Raw Material/Fuel: Laminate, Natural Gas, Propane (back-up)
Rated Capacity: 0.75 MMBtu/hr

Applicable Requirements

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

Pollutant: Opacity
Emission Limit(s): 40% (1)
(1) An exceedance of the indicator opacity of (10%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).
Authority for Requirement: 567 IAC 23.3(2)"d"
DNR Construction Permit 95-A-344-S1

Pollutant: PM\textsubscript{10}
Emission Limit(s): 0.07 lb/hr
Authority for Requirement: DNR Construction Permit 95-A-344-S1

Pollutant: PM
Emission Limit(s): 0.1gr/dscf, 0.07 lb/hr
Authority for Requirement: 567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO\textsubscript{2})
Emission Limit(s): 500 ppmv
Authority for Requirement: 567 IAC 23.3(3)

Pollutant: Nitrogen Oxides (NO\textsubscript{x})
Emission Limit(s): 0.08 lb/hr
Authority for Requirement: DNR Construction Permit 95-A-344-S1
Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NESHAP

The ovens at this facility are subject to the requirements of 40 CFR, Part 63, Subpart OOOO, “National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles.” Compliance with the requirements of this regulation was required by May 30, 2006. (40 CFR 63.4283)

Authority for Requirement: 40 CFR 63 Subpart OOOO – Fabric NESHAP 567 IAC 23.1(4)"co"

Operating Limits
Operating limits for this emission unit shall be:
The Post-Bake Oven (EU496) shall only combust natural gas or propane.

Authority for Requirement: DNR Construction Permit 95-A-344-S1

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

Stack Height, (ft, from the ground): 11
Stack Opening, (inches, dia.): 5 x 22
Exhaust Flow Rate (scfm): 800
Exhaust Temperature (°F): 475
Discharge Style: Horizontal

Authority for Requirement: DNR Construction Permit 95-A-344-S1

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

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

Agency Approved Operation & Maintenance Plan Required? Yes ☐ No ☑

Facility Maintained Operation & Maintenance Plan Required? Yes ☐ No ☑

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

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: 495-001, 497-001, 498-001, 499-001

Associated Equipment

Associated Emission Unit ID Numbers: 495, 497, 498, 499

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Emission Unit vented through this Emission Point: 495
Emission Unit Description: Electric Post-Bake Oven
Raw Material/Fuel: Laminate
Rated Capacity:

Emission Unit vented through this Emission Point: 497
Emission Unit Description: Electric Post-Bake Oven
Raw Material/Fuel: Laminate
Rated Capacity:

Emission Unit vented through this Emission Point: 498
Emission Unit Description: Post-Bake Oven
Raw Material/Fuel: Laminate, Natural Gas or Propane (back-up)
Rated Capacity: 0.75 MMBtu/hr

Emission Unit vented through this Emission Point: 499
Emission Unit Description: Electric Post-Bake Oven
Raw Material/Fuel: Laminate
Rated Capacity:

---

**Applicable Requirements**

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

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

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

- **Pollutant:** Sulfur Dioxide (SO$_2$)
  - Emission Limit(s): 500 ppmv
  - Authority for Requirement: 567 IAC 23.3(3)
Operational Limits & Requirements
*The owner/operator of this equipment shall comply with the operational limits and requirements listed below.*

NESHAP

The ovens at this facility are subject to the requirements of 40 CFR, Part 63, Subpart OOOO, “National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles.” Compliance with the requirements of this regulation was required by May 30, 2006. (*40 CFR 63.4282(b)*)

Authority for Requirement: 40 CFR 63 Subpart OOOO – Fabric NESHAP
567 IAC 23.1(4)”co”

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: Tubing Mandrel Ovens (see Table 1)

Associated Equipment

Table 1

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Numbers</th>
<th>Emission Unit Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>530-001</td>
<td>530</td>
<td>Tubing Mandrel Oven</td>
<td></td>
<td>1.5 MMBtu/hr</td>
</tr>
<tr>
<td>531-001</td>
<td>531</td>
<td>Tubing Mandrel Oven</td>
<td></td>
<td>0.55 MMBtu/hr</td>
</tr>
<tr>
<td>532-001</td>
<td>532</td>
<td>Tubing Mandrel Oven*</td>
<td></td>
<td>686 lbs/hr and .8 MMBtu/hr</td>
</tr>
<tr>
<td>533-001</td>
<td>533</td>
<td>Tubing Mandrel Oven</td>
<td>B-Stage Laminate, Natural Gas or Propane (back-up)</td>
<td>0.75 MMBtu/hr</td>
</tr>
<tr>
<td>534-001</td>
<td>534</td>
<td>Tubing Mandrel Oven</td>
<td></td>
<td>0.4 MMBtu/hr</td>
</tr>
<tr>
<td>535-001</td>
<td>535</td>
<td>Tubing Mandrel Oven*</td>
<td></td>
<td>686 lbs/hr and .8 MMBtu/hr</td>
</tr>
<tr>
<td>538-001</td>
<td>538</td>
<td>Tubing Mandrel Oven</td>
<td>N/A (Electric Oven)</td>
<td>N/A</td>
</tr>
</tbody>
</table>

* Described as “Rolled Tube Heat Treat Oven” in Construction Permits 13-A-067-S1 & 14-A-254

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)
(1) An exceedance of the indicator opacity of "no visible emissions" will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).
Authority for Requirement: 567 IAC 23.3(2)"d"
DNR Construction Permits 03-A-1358, 03-A-1359, and 03-A-1360

Emission Limit(s): 40% (1)
(1) An exceedance of the indicator opacity of (25%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).
Authority for Requirement: 567 IAC 23.3(2)"d"
DNR Construction Permits 06-A-693

Emission Limit(s): 40% (1)
(1) An exceedance of the indicator opacity of (10%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).
Authority for Requirement: 567 IAC 23.3(2)"d"
DNR Construction Permits 13-A-067-S1, 14-A-254
Pollutant: PM
Emission Limit(s): 0.1gr/dscf
Authority for Requirement: 567 IAC 23.3(2) "a"

Pollutant: Sulfur Dioxide (SO$_2$)
Emission Limit(s): 500 ppmv
Authority for Requirement: 567 IAC 23.3(3)

Table 2

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Number</th>
<th>PM (lb/hr) Limit</th>
<th>PM$_{10}$ (lb/hr) Limit</th>
<th>VOC (tons per 12 month rolling period)</th>
<th>DNR Construction Permit #</th>
</tr>
</thead>
<tbody>
<tr>
<td>530-001</td>
<td>530</td>
<td>0.014</td>
<td>0.014</td>
<td>0.036</td>
<td>03-A-1358</td>
</tr>
<tr>
<td>531-001</td>
<td>531</td>
<td>0.003</td>
<td>0.003</td>
<td>0.008</td>
<td>03-A-1359</td>
</tr>
<tr>
<td>532-001</td>
<td>532</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>13-A-067-S1</td>
</tr>
<tr>
<td>533-001</td>
<td>533</td>
<td>0.007</td>
<td>0.007</td>
<td>0.018</td>
<td>03-A-1360</td>
</tr>
<tr>
<td>534-001</td>
<td>534</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>06-A-693</td>
</tr>
<tr>
<td>535-001</td>
<td>535</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>14-A-254</td>
</tr>
<tr>
<td>538-001</td>
<td>538</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

(2) Standard is a 12-month rolling total.


**Operational Limits & Requirements**

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

**NESHAP**

The tubing mandrel ovens, listed above, at this facility are subject to the requirements of 40 CFR, Part 63, Subpart OOOO, “National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles”. Compliance with the requirements of this regulation was required by May 30, 2006. *(40 CFR 63.4282(b)(1))*

Authority for Requirement: 40 CFR 63 Subpart OOOO – Fabric NESHAP
567 IAC 23.1(4) "co"
Operating Limits
Operating limits for this emission unit shall be:
A. This emission unit shall be heated by natural gas or propane only.


B. The maximum heat input is: 1.5 MMBtu/hr for EP 530-001; 0.35 MMBtu/hr for EP 531-001; 0.75 MMBtu/hr for EP 533-001.


C. Prior to burning any other fuel in this unit, the permittee shall apply for, and obtain, a new construction permit from the Iowa DNR.

Authority for Requirement: DNR Construction Permits 13-A-067-S1

D. For permitting purposes, all non-combustion HAP and VOC emissions from this unit will be assumed to be emitted at the treater oven.

Authority for Requirement: Iowa DNR Construction Permits 14-A-254

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

Authority for Requirement: DNR Construction Permits 06-A-693

A. For the purposes of maintaining project 14-082 as a minor project for Prevention of Significant Deterioration (PSD), the owner or operator shall have the following monitoring conditions for a period ten (10) years from the start-up date of EU535:
   a. Record annually the sum of the actual VOC emissions from the coating operations at the plant.
   b. Record annually the ton per year value of the actual emissions minus the baseline actual emissions for VOC. The baseline actual emissions are 604.46 tons per year.
   c. The owner or operator shall submit a report to the department if the annual emissions, in tons per year, exceed the baseline actual emissions by an amount greater than 39.4 tons.

Authority for Requirement: Iowa DNR Construction Permits 14-A-254
**Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Number</th>
<th>Construction Permit #</th>
<th>Height (feet)</th>
<th>Discharge Style</th>
<th>Opening Diameter (inches)</th>
<th>Exhaust Temp. (°F)</th>
<th>Exhaust Flow rate (scfm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>530-001</td>
<td>530</td>
<td>03-A-1358</td>
<td>15</td>
<td>Horizontal</td>
<td>8</td>
<td>425</td>
<td>538</td>
</tr>
<tr>
<td>531-001</td>
<td>531</td>
<td>03-A-1359</td>
<td>15</td>
<td>Horizontal</td>
<td>7</td>
<td>400</td>
<td>278</td>
</tr>
<tr>
<td>532-001</td>
<td>532</td>
<td>13-A-067-S1</td>
<td>23.67</td>
<td>Vertical</td>
<td>13</td>
<td>500</td>
<td>2,500</td>
</tr>
<tr>
<td>533-001</td>
<td>533</td>
<td>03-A-1360</td>
<td>15</td>
<td>Vertical</td>
<td>7</td>
<td>400</td>
<td>270</td>
</tr>
<tr>
<td>534-001</td>
<td>534</td>
<td>06-A-693</td>
<td>19</td>
<td>Vertical, obstructed</td>
<td>8</td>
<td>400</td>
<td>250</td>
</tr>
<tr>
<td>535-001</td>
<td>535</td>
<td>14-A-254</td>
<td>23.67</td>
<td>Vertical</td>
<td>13</td>
<td>500</td>
<td>2,500</td>
</tr>
<tr>
<td>538-001</td>
<td>538</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>


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

**Monitoring Requirements**

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

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

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: Rolled Tube Heat Treat Ovens (see Table 1)

Associated Equipment

Table 1

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Numbers</th>
<th>Emission Unit Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>536-001</td>
<td>536</td>
<td>Rolled Tube Heat Treat Oven</td>
<td>N/A (Electric Oven)</td>
<td>N/A</td>
</tr>
<tr>
<td>550-001</td>
<td>550</td>
<td>Rolled Tube Hot Oil Heat Treat Bath</td>
<td>Oil</td>
<td>250 gallons</td>
</tr>
</tbody>
</table>

**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 limits at this time

**Operational Limits & Requirements**

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

**NESHAP**

The heat treat ovens at this facility are subject to the requirements of 40 CFR, Part 63, Subpart OOOO, “National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles”. Compliance with the requirements of this regulation was required by May 30, 2006. (40 CFR 63.4282(b)(1))

Authority for Requirement: 40 CFR 63 Subpart OOOO – Fabric NESHAP 567 IAC 23.1(4)”co"
**Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Number</th>
<th>Construction Permit #</th>
<th>Height (feet)</th>
<th>Discharge Style</th>
<th>Opening Diameter (inches)</th>
<th>Exhaust Temp. (°F)</th>
<th>Exhaust Flow rate (scfm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>536-001</td>
<td>536</td>
<td>04-A-690</td>
<td>15</td>
<td>Horizontal</td>
<td>6</td>
<td>500</td>
<td>248</td>
</tr>
<tr>
<td>550-001</td>
<td>550</td>
<td>04-A-691</td>
<td>31.5</td>
<td>Vertical, unobstructed</td>
<td>18</td>
<td>70</td>
<td>3900</td>
</tr>
</tbody>
</table>


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

**Monitoring Requirements**

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)
**Emission Point ID Number: EP 674-001 (Internally Vented)**

Associated Equipment

Associated Emission Unit ID Numbers: EU 589

---

Emission Unit vented through this Emission Point: EU 589
Emission Unit Description: Band Saw
Control Equipment ID Number: CE 674
Control Equipment Description: US Turbine Dust Collector
Raw Material/Fuel: Laminate
Rated Capacity: 188 Inches/Minute

**Applicable Requirements**

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

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

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

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

**Monitoring Requirements**

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

Agency Approved Operation & Maintenance Plan Required? Yes ☒ No ☐
Facility Maintained Operation & Maintenance Plan Required? Yes ☒ No ☐
Compliance Assurance Monitoring (CAM) Plan Required? Yes ☒ No ☐
Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: 596-001

Associated Equipment

Associated Emission Unit ID Numbers: EU 406
Emissions Control Equipment ID Number: CE 596
Emissions Control Equipment Description: Dust Collector

Emission Unit vented through this Emission Point: EU 406
Emission Unit Description: Saw
Raw Material/Fuel: Laminate
Rated Capacity: 63 Inches/Minute

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)

(1) An exceedance of the indicator opacity of (10%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).
Authority for Requirement: 567 IAC 23.3(2)"d"
DNR Construction Permit 04-A-689-S1

Pollutant: PM$_{10}$
Emission Limit(s): 1.11 lb/hr
Authority for Requirement: DNR Construction Permit 04-A-689-S1

Pollutant: Particulate Matter
Emission Limit(s): 0.1gr/dscf, 1.11 lb/hr
Authority for Requirement: 567 IAC 23.3(2)"a"
DNR Construction Permit 04-A-689-S1
**Operational Limits & Requirements**

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

**NESHAP**

This facility is subject to 40 CFR Part 63, Subpart OOOO, National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles. This unit is not affected sources as defined in this rule at §63.4282.

**Operating Limits**

Operating limits for this emission unit shall be:

A. The control equipment shall be operated and maintained in accordance with the manufacturer’s specifications and directions.

Authority for Requirement: DNR Construction Permit 04-A-689-S1

**Reporting and Recordkeeping:**

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

A. The permittee shall maintain records on the maintenance work done on the control equipment.

Authority for Requirement: DNR Construction Permit 04-A-689-S1

**Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

Stack Height, (ft, from the ground): 31
Stack Opening, (inches, dia.): 33
Exhaust Flow Rate (scfm): 18,000
Exhaust Temperature (°F): 70
Discharge Style: Vertical, unobstructed

Authority for Requirement: DNR Construction Permit 04-A-689-S1

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

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

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

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

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.

Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility’s implementation of its obligation to operate according to good air pollution control practice.

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

Authority for Requirement: 567 IAC 22.108(3)
**Emission Point ID Number: 597-001**

**Associated Equipment**

Associated Emission Unit ID Numbers: see Table 1
Emissions Control Equipment ID Number: DC (Dust Collector) 597
Emissions Control Equipment Description: Donaldson DF T4-46

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Numbers</th>
<th>Emission Unit Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>597-001</td>
<td>206</td>
<td>Edge trimmer</td>
<td>Laminate dust from slit edge from B-stage laminate</td>
<td>100 sq. ft./hr</td>
</tr>
<tr>
<td></td>
<td>207</td>
<td>Edge trimmer</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>208</td>
<td>Edge trimmer</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Applicable Requirements**

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

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

Pollutant: Opacity
Emission Limit(s): 40% \(^{(1)}\)

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

Authority for Requirement: 567 IAC 23.3(2)"d"
DNR Construction Permit 05-A-960

Pollutant: PM\(_{10}\)
Emission Limit(s): 0.34 lb/hr
Authority for Requirement: DNR Construction Permit 05-A-960

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf, 0.34 lb/hr
Authority for Requirement: 567 IAC 23.3(2)"a"
DNR Construction Permit 05-A-960
Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits
Operating limits for this emission unit shall be:
A. The control equipment shall be operated and maintained per the manufacturer's instructions and specifications.

Authority for Requirement:  DNR Construction Permit 05-A-960

Reporting and Recordkeeping:
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.
A. Maintain a record of the maintenance and repair to the control equipment.

Authority for Requirement:  DNR Construction Permit 05-A-960

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

Stack Height, (ft, from the ground):  10.5
Stack Opening, (inches, dia.):  9
Exhaust Flow Rate (scfm):  2,000
Exhaust Temperature (°F):  Ambient
Discharge Style:  Vertical, without rain cap or with unobstructing rain cap

Authority for Requirement:  DNR Construction Permit 05-A-960

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

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

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

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

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

Authority for Requirement:  567 IAC 22.108(3)
**Emission Point ID Number: 598-001**

Associated Equipment

Associated Emission Unit ID Numbers: see Table 1
Emissions Control Equipment ID Number: DC 598
Emissions Control Equipment Description: 598 Baghouse

Table 1

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Numbers</th>
<th>Emission Unit Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>598-001</td>
<td>206</td>
<td>Edge trimmer</td>
<td>Laminate dust from slit edge from B-stage laminate</td>
<td>100 sq. ft./hr</td>
</tr>
<tr>
<td></td>
<td>207</td>
<td>Edge trimmer</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>208</td>
<td>Edge trimmer</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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% \(^{(1)}\)

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

Authority for Requirement: 567 IAC 23.3(2)"d"
DNR Construction Permit 05-A-961

Pollutant: PM\(_{10}\)
Emission Limit(s): 0.34 lb/hr
Authority for Requirement: DNR Construction Permit 05-A-961

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr/dscf, 0.34 lb/hr
Authority for Requirement: 567 IAC 23.3(2)"a"
DNR Construction Permit 05-A-961
**Operational Limits & Requirements**

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

**Operating Limits**

Operating limits for this emission unit shall be:
A. The control equipment shall be operated and maintained per the manufacturer's instructions and specifications.

Authority for Requirement: DNR Construction Permit 05-A-961

**Reporting and Recordkeeping:**

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

Authority for Requirement: DNR Construction Permit 05-A-961

**Emission Point Characteristics**

*The emission point shall conform to the specifications listed below.*

Stack Height, (ft, from the ground): 10.5
Stack Opening, (inches, dia.): 9
Exhaust Flow Rate (scfm): 2,000
Exhaust Temperature (°F): Ambient
Discharge Style: Vertical, without rain cap or with unobstructing rain cap

Authority for Requirement: DNR Construction Permit 05-A-961

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

**Monitoring Requirements**

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)
**Emission Point ID Number: 950-001**

**Associated Equipment**

Associated Emission Unit ID Numbers: Boiler 950

---

Emission Unit vented through this Emission Point: Boiler 950

Emission Unit Description: Boiler

Raw Material/Fuel: Natural Gas, Propane (back-up)

Rated Capacity: 63 MMBtu/hr

---

**Applicable Requirements**

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

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

Pollutant: Opacity

Emission Limit(s): 40%

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

DNR Construction Permits 73-A-100-S2

Pollutant: Particulate Matter

Emission Limit(s): 0.6 lb/MMBtu

Authority for Requirement: DNR Construction Permits 73-A-100-S2

Pollutant: Sulfur Dioxide (SO₂)

Emission Limit(s): 500 ppmv

Authority for Requirement: 567 IAC 23.3(3)

---

**Operational Limits & Requirements**

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

**NESHAP**

The boiler at this facility is subject to the requirements of 40 CFR, Part 63, Subpart DDDDD, "National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters".

Authority for Requirement: 40 CFR 63, Subpart DDDDD

**Operating Limits**

Operating limits for this emission unit shall be:

A. This emissions unit is limited to natural gas (primary fuel) or propane (secondary fuel) only.

Authority for Requirement: DNR Construction Permit 73-A-100-S2
Reporting and Recordkeeping:
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.
A. Records of fuel(s) consumed (i.e. a fuel bill).

Authority for Requirement: DNR Construction Permits 73-A-100-S2

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

Stack Height, (ft, from the ground): 27.7
Stack Opening, (inches, dia.): 42
Exhaust Flow Rate (scfm): 15,469
Exhaust Temperature (°F): 460
Discharge Style: Vertical, unobstructed

Authority for Requirement: DNR Construction Permits 73-A-100-S2

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

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

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

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: 951-001, 952-001

Associated Equipment

Associated Emission Unit ID Numbers: 951, 952

Emission Unit vented through this Emission Point: Propane Vaporizers 951, 952
Emission Unit Description: Propane Vaporizers
Raw Material/Fuel: Propane
Rated Capacity: 1.75 MMBtu/hr (951) & 0.56 MMBtu/hr (952)

Applicable Requirements

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

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

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

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

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

NESHAP

The propane vaporizers (process heaters) at this facility are subject to the requirements of 40 CFR, Part 63, Subpart DDDDD, "National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters".
Authority for Requirement: 40 CFR 63, Subpart DDDDD
Monitoring Requirements
The owner/operator of this equipment shall comply with the monitoring requirements listed below.

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

Authority for Requirement: 567 IAC 22.108(3)
Emission Point ID Number: 967-001

Associated Equipment

Associated Emission Unit ID Numbers: 10 HP Chopper
Emissions Control Equipment ID Number: DC 967
Emissions Control Equipment Description: Dust Collector

Emission Unit vented through this Emission Point: 10 HP Chopper
Emission Unit Description: Chops B-stage edge trim to size
Raw Material/Fuel: C-stage laminate material
Rated Capacity: 100 sq. ft./hr

Applicable Requirements

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

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)
**Emission Point ID Number: 969-001**

**Associated Equipment**

Associated Emission Unit ID Numbers: see Table III-33  
Emissions Control Equipment ID Number: CE 969  
Emissions Control Equipment Description: UOP Fabric Filter, Model BH-180

---

**Table III-33**

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Numbers</th>
<th>Emission Unit Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>969-001</td>
<td>402</td>
<td>Saw</td>
<td>Laminate</td>
<td>2400 lb/hr</td>
</tr>
<tr>
<td></td>
<td>403</td>
<td>Saw</td>
<td>Laminate</td>
<td>4650 lb/hr</td>
</tr>
<tr>
<td></td>
<td>420</td>
<td>Sander</td>
<td>Laminate</td>
<td>1500 sq.ft./hr</td>
</tr>
</tbody>
</table>

---

**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% \(^{(1)}\)

\(^{(1)}\) An exceedance of the indicator opacity of (10%) will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).  
Authority for Requirement: 567 IAC 23.3(2)"d"  
DNR Construction Permit 97-A-600-S2

Pollutant: PM\(_{10}\)  
Emission Limit(s): 2.05 lb/hr  
Authority for Requirement: DNR Construction Permit 97-A-600-S2

Pollutant: Particulate Matter  
Emission Limit(s): 0.1gr/dscf, 2.05 lb/hr  
Authority for Requirement: 567 IAC 23.3(2)"a"  
DNR Construction Permit 97-A-600-S2
Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Operating Limits
Operating limits for this emission unit shall be:
A. The control equipment shall be operated and maintained in accordance with the manufacturer’s specifications and directions.

Authority for Requirement: DNR Construction Permit 97-A-600-S2

Reporting and Recordkeeping:
All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner. These records shall show the following:
A. The permittee shall maintain records on the maintenance work done on the control equipment.

Authority for Requirement: DNR Construction Permit 97-A-600-S2

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

Stack Height, (ft, from the ground): 45.5
Stack Opening, (inches, dia.): 27
Exhaust Flow Rate (scfm): 15,920
Exhaust Temperature (°F): 70
Discharge Style: Vertical, unobstructed

Authority for Requirement: DNR Construction Permit 97-A-600-S2

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

The following equipment may be connected to this emissions point:

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Maximum Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saw (EU 402)</td>
<td>2400 lbs/hr</td>
</tr>
<tr>
<td>Saw (EU 403)</td>
<td>4650 lbs/hr</td>
</tr>
<tr>
<td>Sander (EU 420)</td>
<td>1500 sq. ft./hr</td>
</tr>
</tbody>
</table>
**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 CAM Plan in Appendix A

Authority for Requirement:  567 IAC 22.108(3)
Emission Point ID Number: 999-020

Associated Equipment

Associated Emission Unit ID Numbers: 999-020

Emission Unit vented through this Emission Point: 999-020
Emission Unit Description: Solvent Recovery from Batch Still
Raw Material/Fuel: Clean-up solvents
Rated Capacity: 55 gal/8 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.

No emission limits at this time.

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

NESHAP:
The clean-up solvent equipment at this facility is subject to the requirements of 40 CFR, Part 63, Subpart OOOO, “National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles.” Compliance with the requirements of this regulation was required by May 30, 2006. (40 CFR 63.4282(b)(3-4))

Authority for Requirement: 40 CFR 63 Subpart OOOO – Fabric NESHAP 567 IAC 23.1(4)"co"

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:** 999-030

**Associated Equipment**

**Associated Emission Unit ID Numbers:** 999-030

---

Emission Unit vented through this Emission Point: 999-030
Emission Unit Description: Sub-Slab Depressurization System
Raw Material/Fuel: VOC & HAP (Soil) Vapor
Rated Capacity: 2830.2 scf/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.

No emission limits 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: 999-501

Associated Equipment

Associated Emission Unit ID Numbers: see Table III-34

______________________________________________________________________________

Applicable Requirements

The following equipment may be connected to this emissions point:
Table III-34

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Numbers</th>
<th>Emission Unit Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>999-501</td>
<td>503</td>
<td>Tube Roller</td>
<td>B-Stage Laminate</td>
<td>3800 sf/hr</td>
</tr>
<tr>
<td></td>
<td>506</td>
<td>Tube Roller</td>
<td>B-Stage Laminate</td>
<td>5000 sf/hr</td>
</tr>
<tr>
<td></td>
<td>508</td>
<td>Tube Roller</td>
<td>B-Stage Laminate</td>
<td>5000 sf/hr</td>
</tr>
<tr>
<td></td>
<td>511</td>
<td>Tube Roller</td>
<td>B-Stage Laminate</td>
<td>5000 sf/hr</td>
</tr>
<tr>
<td></td>
<td>512</td>
<td>Tube Roller</td>
<td>B-Stage Laminate</td>
<td>5000 sf/hr</td>
</tr>
<tr>
<td></td>
<td>562</td>
<td>Wet Tube Grinder</td>
<td>B-Stage Laminate</td>
<td>8 linear fpm</td>
</tr>
<tr>
<td></td>
<td>563</td>
<td>Wet Tube Grinder</td>
<td>B-Stage Laminate</td>
<td>8 linear fpm</td>
</tr>
<tr>
<td></td>
<td>564</td>
<td>Wet Tube Grinder</td>
<td>B-Stage Laminate</td>
<td>8 linear fpm</td>
</tr>
<tr>
<td></td>
<td>569</td>
<td>Wet Tube Grinder</td>
<td>B-Stage Laminate</td>
<td>8 linear fpm</td>
</tr>
</tbody>
</table>

Authority for Requirement: DNR Construction Permit 03-A-1293-S3

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)
(1) An exceedance of the indicator opacity of "10%" will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedance. If exceedances continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).
Authority for Requirement: 567 IAC 23.3(2)"d"
DNR Construction Permit 03-A-1293-S3

Pollutant: PM$_{10}$
Emission Limit(s): 0.43 lb/hr
Authority for Requirement: DNR Construction Permit 03-A-1293-S3

Pollutant: Particulate Matter
Emission Limit(s): 0.1 gr./dscf, 0.43 lb/hr
Authority for Requirement: DNR Construction Permit 03-A-1293-S3
Operational Limits & Requirements
The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

NESHAP

This facility is subject to 40 CFR Part 63 Subpart OOOO, National Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles. These units are not affected sources as defined in this rule at § 63.4282.

Authority for Requirement: DNR Construction Permit 03-A-1293-S3

Operating Limits:
Operating limits for this emission unit shall be:
A. The tube grinders shall be operated and maintained as wet grinders at all times.

Authority for Requirement: DNR Construction Permit 03-A-1293-S3

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

Stack Height, (ft, from the ground): 32.875
Stack Opening, (inches, dia.): 24
Exhaust Flow Rate (scfm): 5580
Exhaust Temperature (°F): 70
Discharge Style: Vertical Unobstructed

Authority for Requirement: DNR Construction Permit 03-A-1293-S3

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

The following equipment may be connected to this emissions point:

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Maximum Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tube Roller (EU 503)</td>
<td>3800 sf/hr</td>
</tr>
<tr>
<td>Tube Roller (EU 506)</td>
<td>5000 sf/hr</td>
</tr>
<tr>
<td>Tube Roller (EU 512)</td>
<td>5000 sf/hr</td>
</tr>
<tr>
<td>Tube Roller (EU 508)</td>
<td>5000 sf/hr</td>
</tr>
<tr>
<td>Tube Roller (EU 511)</td>
<td>5000 sf/hr</td>
</tr>
<tr>
<td>Wet Tube Grinder (EU 564)</td>
<td>8 lineal ft/min</td>
</tr>
<tr>
<td>Wet Tube Grinder (EU 563)</td>
<td>8 lineal ft/min</td>
</tr>
<tr>
<td>Wet Tube Grinder (EU 569)</td>
<td>8 lineal ft/min</td>
</tr>
<tr>
<td>Wet Tube Grinder (EU 562)</td>
<td>8 lineal ft/min</td>
</tr>
</tbody>
</table>
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: 502-001 (Internally Vented)

Associated Equipment

Associated Emission Unit ID Numbers: 502

Emission Unit vented through this Emission Point: 502
Emission Unit Description: Tube Roller
Raw Material/Fuel: VOC & HAP Vapor
Rated Capacity: 19 Linear inches/minute

Applicable Requirements

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

There are no operating limits associated with this permit. VOC and HAP emissions from this emission unit are assumed to be emitted from the treater units at this facility and are accounted for under their permits.

Authority for Requirement: DNR Construction Permit 16-A-423

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: 999-502

Associated Equipment

Associated Emission Unit ID Numbers: see Table 1

Applicable Requirements

The following equipment may be connected to this emissions point:

Table 1

<table>
<thead>
<tr>
<th>Emission Point Number</th>
<th>Emission Unit Numbers</th>
<th>Emission Unit Description</th>
<th>Raw Material</th>
<th>Rated Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>999-502</td>
<td>507</td>
<td>Tube Roller</td>
<td>B-Stage Laminate</td>
<td>5000 sf/hr</td>
</tr>
<tr>
<td></td>
<td>514</td>
<td>Tube Roller</td>
<td>B-Stage Laminate</td>
<td>5000 sf/hr</td>
</tr>
<tr>
<td></td>
<td>515</td>
<td>Tube Roller</td>
<td>B-Stage Laminate</td>
<td>5000 sf/hr</td>
</tr>
<tr>
<td></td>
<td>518</td>
<td>Tube Roller</td>
<td>B-Stage Laminate</td>
<td>5000 sf/hr</td>
</tr>
<tr>
<td></td>
<td>519</td>
<td>Tube Roller</td>
<td>B-Stage Laminate</td>
<td>5000 sf/hr</td>
</tr>
<tr>
<td></td>
<td>520</td>
<td>Tube Roller</td>
<td>B-Stage Laminate</td>
<td>5000 sf/hr</td>
</tr>
</tbody>
</table>

Authority for Requirement: DNR Construction Permit 03-A-1294

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)

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

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

DNR Construction Permit 03-A-1294-S1

Pollutant: Particulate Matter
Emission Limit(s): 0.1gr/dscf

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

DNR Construction Permit 03-A-1294-S1
**Operational Limits & Requirements**

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

**NESHAP**

This facility is subject to 40 CFR Part 63 Subpart OOOO, national Emission Standards for Hazardous Air Pollutants: Printing, Coating, and Dyeing of Fabrics and Other Textiles. These units are not affected sources as defined in this rule at § 63.4282.

Authority for Requirement: DNR Construction Permit 03-A-1294-S1

**Emission Point Characteristics**

The emission point shall conform to the specifications listed below.

- Stack Height, (ft, from the ground): 24.5
- Stack Opening, (inches, dia.): 26
- Exhaust Flow Rate (scfm): 6000
- Exhaust Temperature (°F): 70
- Discharge Style: Vertical, unobstructed

Authority for Requirement: DNR Construction Permit 03-A-1294-S1

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

The following equipment may be connected to this emissions point:

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Maximum Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tube Roller (EU 507)</td>
<td>5000 sf/hr</td>
</tr>
<tr>
<td>Tube Roller (EU 514)</td>
<td>5000 sf/hr</td>
</tr>
<tr>
<td>Tube Roller (EU 515)</td>
<td>5000 sf/hr</td>
</tr>
<tr>
<td>Tube Roller (EU 518)</td>
<td>5000 sf/hr</td>
</tr>
<tr>
<td>Tube Roller (EU 519)</td>
<td>5000 sf/hr</td>
</tr>
<tr>
<td>Tube Roller (EU 520)</td>
<td>5000 sf/hr</td>
</tr>
</tbody>
</table>
Monitoring Requirements

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

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

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

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

Authority for Requirement: 567 IAC 22.108(3)
IV. General Conditions

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

G1. Duty to Comply

1. The permittee must comply with all conditions of the Title V permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for a permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. 567 IAC 22.108(9)”a”

2. Any compliance schedule shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based. 567 IAC 22.105 (2)”h”(3)

3. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be enforceable by the administrator and are incorporated into this permit. 567 IAC 22.108 (1)”b”

4. Unless specified as either "state enforceable only" or "local program enforceable only", all terms and conditions in the permit, including provisions to limit a source’s potential to emit, are enforceable by the administrator and citizens under the Act. 567 IAC 22.108 (14)

5. It shall not be a defense for a permittee, in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. 567 IAC 22.108 (9)”b”

6. For applicable requirements with which the permittee is in compliance, the permittee shall continue to comply with such requirements. For applicable requirements that will become effective during the permit term, the permittee shall meet such requirements on a timely basis. 567 IAC 22.108(15)”c”

G2. Permit Expiration

1. Except as provided in rule 567—22.104(455B), permit expiration terminates a source’s right to operate unless a timely and complete application for renewal has been submitted in accordance with rule 567—22.105(455B), 567 IAC 22.116(2)

2. To be considered timely, the owner, operator, or designated representative (where applicable) of each source required to obtain a Title V permit shall submit on forms or electronic format specified by the Department to the Air Quality Bureau, Iowa Department of Natural Resources, Air Quality Bureau, 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 Permitting & Standards Branch, 11201 Renner Blvd., Lenexa, KS 66219. Additional copies to local programs or EPA are not required for application materials submitted through the electronic format specified by the Department. The application must include all emission points, emission units, air pollution control equipment, and monitoring devices at the facility. All emissions generating activities, including fugitive emissions, must be included. The definition of a complete application is as indicated in 567 IAC 22.105(2). 567 IAC 22.105

G3. Certification Requirement for Title V Related Documents

Any application, report, compliance certification or other document submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. 567 IAC 22.107 (4)
G4. Annual Compliance Certification
By March 31 of each year, the permittee shall submit compliance certifications for the previous calendar year. The certifications shall include descriptions of means to monitor the compliance status of all emissions sources including emissions limitations, standards, and work practices in accordance with applicable requirements. The certification for a source shall include the identification of each term or condition of the permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with all applicable department rules. For sources determined not to be in compliance at the time of compliance certification, a compliance schedule shall be submitted which provides for periodic progress reports, dates for achieving activities, milestones, and an explanation of why any dates were missed and preventive or corrective measures. The compliance certification shall be submitted to the administrator, director, and the appropriate DNR Field office. 567 IAC 22.108 (15)”e”

G5. Semi-Annual Monitoring Report
By March 31 and September 30 of each year, the permittee shall submit a report of any monitoring required under this permit for the 6 month periods of July 1 to December 31 and January 1 to June 30, respectively. All instances of deviations from permit requirements must be clearly identified in these reports, and the report must be signed by a responsible official, consistent with 567 IAC 22.107(4). The semi-annual monitoring report shall be submitted to the director and the appropriate DNR Field office. 567 IAC 22.108 (5)

G6. Annual Fee
1. The permittee is required under subrule 567 IAC 22.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
3. The 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.)

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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)

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
Wallace State Office Building
502 E 9th St.
Des Moines, IA 50319-0034
(515) 725-9545

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

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

G31. Prevention of Air Pollution Emergency Episodes
The permittee shall comply with the provisions of 567 IAC Chapter 26 in the prevention of excessive build-up of air contaminants during air pollution episodes, thereby preventing the occurrence of an emergency due to the effects of these contaminants on the health of persons.

567 IAC 26.1(1)
G32. Contacts List

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

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

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

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

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

**Field Office 1**
- 909 West Main – Suite 4
- Manchester, IA 52057
- (563) 927-2640

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

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

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

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

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

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

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

Compliance Assurance Monitoring Plan for Industrial Laminates/Norplex Inc.
Facility located in Postville, Iowa

EP 201—Oxidizer (CE 281)

I. Background

A. Emissions Unit

Description: Treater
Identification: EU201
Facility: Industrial Laminates/Norplex Inc. Postville, Iowa

B. Applicable Regulation, Emission Limit, and Monitoring Requirements

Regulation No.: Permit # 87-A-031-S3 and 04-A-077-S 1
Emission Limit or Standard: 33 Tons VOC per rolling 12-month period
Current monitoring requirements: Oxidizer temperature is to be maintained at a minimum of 1165 degrees F while 201 in operation.

C. Control Technology

Thermal Oxidizer

II. Monitoring Approach

A. Indicator

Temperature of Oxidizer

B. Measurement Approach

While Treater 201 is in operation

C. Indicator Level

1165 degrees Fahrenheit

D. QIP (Quality Improvement Plan) Threshold (Optional)

N/A

E. Performance Criteria
Data representativeness:  Maintenance at temperature assured tested destruction efficiency

Verification of operational status:  Calibration is performed by an independent source

QA/QC practices and criteria:  Calibration is performed on a quarterly basis

Monitoring frequency: Continuous while 201 is in operation

Data collection procedure: Chart recorder records temperature on paper chart, continuously. Paper chart is collected every day and stored for potential later data retrieval

Averaging period: Continuous
Compliance Assurance Monitoring Plan for Industrial Laminates/Norplex Inc.
Facility located in Postville, Iowa

EP 280 - Oxidizer (CE 280)

III. Background

A. Emissions Unit

Description: Treater
Identification: EU208, EU 207 Zone 1 and 2, 123-PMT, 123-FMT
Facility: Industrial Laminates/Norplex Inc. Postville, Iowa

B. Applicable Regulation, Emission Limit, and Monitoring Requirements

Regulation No.: Permit # 04-A-081
Emission Limit or Standard: 33 Tons VOC per rolling 12-month period
Current monitoring requirements: The average combustion temperature for any 3 hour block of time when treater 208 is in operation is to be maintained at a minimum of 82 degrees F below the average temperature during the most recent stack test that demonstrated that treater 208 was in compliance. Demonstrate that a permanent total enclosure has been installed by monitoring differential pressure across the enclosure.

C. Control Technology

Thermal Oxidizer and capture system

IV. Monitoring Approach

A. Indicator

Temperature of Oxidizer, Differential Pressure Across Enclosure

B. Measurement Approach

For temperature of oxidizer, while treater 208 oven or treater 207 oven is in operation. For differential pressure across enclosure, while treater 208 oven is in operation.

C. Indicator Level

Temperature = 1218 deg F
Differential Pressure = 0.0007 in w.c.

D. QIP (Quality Improvement Plan) Threshold (Optional)
N/A

E. Performance Criteria

Data representativeness: Maintenance at temperature assures tested destruction efficiency. Maintenance of differential pressure assures PTE (100% capture).

Verification of operational status: Calibration is performed by an independent source.

QA/QC practices and criteria: Calibration is performed on a yearly basis.

Monitoring frequency: Temperature is recorded every 3 minutes. Differential pressure is recorded constantly.

Data collection procedure: Temperature data is stored in a database that can be reviewed. Differential pressure is stored on a hard drive that be reviewed.

Averaging period: Continuous
Compliance Assurance Monitoring Plan for Industrial Laminates/Norplex Inc.
Facility located in Postville, Iowa

EP 404 - Dust Collector (CE 404A)

V. Background

A. Emissions Unit
   Description: Saws and Sanders
   Identification: EU404, EU405, EU418, EU588 and EU601
   Facility: Industrial Laminates/Norplex Inc. Postville, Iowa

B. Applicable Regulation, Emission Limit, and Monitoring Requirements
   Regulation No.: Permit # 97-A-601-S3
   Emission Limit or Standard: Opacity: 40%, PM-10: 2.04 lb/hr, PM: 2.04 lb/hr
   Current monitoring requirements: Facility maintained operation and maintenance plan required.

C. Control Technology
   Fabric filter (baghouse).

VI. Monitoring Approach

A. Indicator
   Visible emissions (VE) and inspection and maintenance.

B. Measurement Approach
   Maintenance group observes visual emissions. Inspection and maintenance is performed per O&M plan.

C. Indicator Level
   Any visible emissions.

D. QIP (Quality Improvement Plan) Threshold (Optional)
   N/A

E. Performance Criteria
Data representativeness: Visible emissions could indicate process changes, changes in baghouse efficiency or leaks.

Verification of operational status: Correct operation determined by inspection and maintenance.

QA/QC practices and criteria: N/A

Monitoring frequency: Visible emissions observed once per shift. O&M done per plan.

Data collection procedure: If visible emissions are other than zero (0), notifications are sent internally. Records of maintenance work done are maintained.

Averaging period: N/A
Compliance Assurance Monitoring Plan for Industrial Laminates/Norplex Inc.
Facility located in Postville, Iowa

EP 969 – Dust Collector (CE 969)

VII. Background

A. Emissions Unit

Description: Treater
Identification: EU402, EU403 and EU420
Facility: Industrial Laminates/Norplex Inc. Postville, Iowa

B. Applicable Regulation, Emission Limit, and Monitoring Requirements

Regulation No.: Permit # 97-A-600-S2
Emission Limit or Standard: Opacity: 40%, PM-10: 2.05 lb/hr, PM: 2.05 lb/hr
Current monitoring requirements: Facility maintained operation and maintenance plan required.

C. Control Technology

Fabric filter (baghouse)

VIII. Monitoring Approach

A. Indicator

Visible emissions (VE) and inspection and maintenance

B. Measurement Approach

Maintenance group observes visual emissions. Inspection and maintenance is performed per O&M plan

C. Indicator Level

Any visible emissions

D. QIP (Quality Improvement Plan) Threshold (Optional)

N/A

E. Performance Criteria

Data representativeness: Visible emissions could indicate process changes, changes in baghouse efficiency or leaks
Verification of operational status: Correct operation determined by inspection and maintenance

QA/QC practices and criteria: N/A

Monitoring frequency: Visible emissions observed once per shift. O&M done per plan

Data collection procedure: If visible emissions are other than zero (0), notifications are sent internally. Records of maintenance work done are maintained.

Averaging period: N/A
**Portable and Fixed Mixing Tanks List**

<table>
<thead>
<tr>
<th>Portable #</th>
<th>Purpose</th>
<th>Volume (Gallons)</th>
<th>Location</th>
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<td>UCR or LCR</td>
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<td>UCR or LCR</td>
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- **27A:** Epoxy CR 360 UCR or LCR
- **27B:** Stearic Acid CR 110 UCR or LCR
- **28:** Antifoam CR 55 UCR or LCR
- **1302:** High Shear Mixer Cleaning Tank 120 LCR
- **1303:** Treater 201 Equipment Cleaning Tank 127 Treater 201
- **1304:** Treater 209 Equipment Cleaning Tank 136 Currently Inactive

Note: The table includes fixed tank numbers, purposes, volumes, and locations. The locations are indicated as UCR or LCR, and some tanks are marked as currently inactive.