AIR QUALITY PERMIT
Issued under 401 KAR 52:030

Permittee Name: Nucor Insulated Panel Group, LLC
Mailing Address: 1099 U.S. Highway 421 South
Frankfort, KY 40601

Source Name: Nucor Insulated Panel Group, LLC
Mailing Address: 1099 U.S. Highway 421 South
Frankfort, KY 40601

Source Location: Same as above

Permit: F-22-024
Agency Interest: 1378
Activity: APE20220001
Review Type: Conditional Major, Construction / Operating
Source ID: 21-073-00075

Regional Office: Frankfort Regional Office
300 Sower Boulevard, 1st Floor
Frankfort, KY 40601
(502) 564-3358

County: Franklin

Application Complete Date: April 24, 2022
Issuance Date: 
Expiration Date:

X
For Michael J. Kennedy, P.E.
Director
Division for Air Quality

Version 4/1/2022
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Version 9/4/2019
SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Energy and Environment Cabinet (Cabinet) hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit was issued under the provisions of Kentucky Revised Statutes (KRS) Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first submitting a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:030, Federally-enforceable permits for non-major sources.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Cabinet or any other federal, state, or local agency.

Definitions: The following definitions apply to all abbreviations and variables used in this permit:

- **CO**: Carbon monoxide
- **Division**: Kentucky Division for Air Quality
- **HAP**: Hazardous Air Pollutant
- **MMBtu/hr**: Million British Thermal Units per Hour
- **MMscf/yr**: Million standard cubic feet per year
- **NOx**: Nitrogen oxides
- **PM\(_{10}\)**: Particulate matter equal to or smaller than 10 micrometers
- **PT**: Total particulate matter
- **PTE**: Potential to Emit
- **SO\(_{2}\)**: Sulfur dioxide
- **U.S. EPA**: United States Environmental Protection Agency
- **VOC**: Volatile Organic Compounds
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

Emission Point 01 (EP 01)       Spray Booth and Clean-up

Description:
Spray Operation System       Three high volume and low pressure (HVLP) air spray guns
Maximum total capacity of spray guns: 8.91 gallons per hour (mixed paint and thinner)
Thinner to coating ratio: 50:50
Control Equipment: Fabric Supra II Mini-Mesh Filter
Construction Commenced: 1/1/1981; modified 4/30/2022

APPLICABLE REGULATIONS:
401 KAR 59:010, New process operations
401 KAR 63:002, Section 2(4)(iiii), 40 C.F.R. 63.11169 through 63.11180, Table 1 (Subpart HHHHHH), National Emission Standards for Hazardous Air Pollutants: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources

1. Operating Limitations:
a. All painters shall be certified that they have completed training in the proper spray application of surface coatings and the proper setup and maintenance of spray equipment. The minimum requirements for training and certification are described below. The spray application of surface coatings is prohibited by persons who are not certified as having completed the training. [40 CFR 63.11173(e)(1)]

Compliance Demonstration Method:
The permittee shall ensure and certify that all new and existing personnel, including contract personnel, who spray apply surface coatings, as defined in 40 CFR 63.11180, are trained in the proper application of surface coatings as required by 40 CFR 63.11173(e)(1). The training program shall include, at a minimum, the items listed in 40 CFR 63.11173(f)(1) through (f)(3). [40 CFR 63.11173(f)]
i. A list of all current personnel by name and job description who are required to be trained; [40 CFR 63.11173(f)(1)]
ii. Hands-on and classroom instruction that addresses, at a minimum, initial and refresher training in the topics listed in 40 CFR 63.11173(f)(2)(i) through (2)(iv). [40 CFR 63.11173(f)(2)]
1) Spray gun equipment selection, set up, and operation, including measuring coating viscosity, selecting the proper fluid tip or nozzle, and achieving the proper spray pattern, air pressure and volume, and fluid delivery rate. [40 CFR 63.11173(f)(2)(i)]
2) Spray technique for different types of coatings to improve transfer efficiency and minimize coating usage and overspray, including maintaining the correct spray gun distance and angle to the part, using proper banding and overlap, and reducing lead and lag spraying at the beginning and end of each stroke. [40 CFR 63.11173(f)(2)(ii)]
3) Routine spray booth and filter maintenance, including filter selection and installation. [40 CFR 63.11173(f)(2)(iii)]
4) Environmental compliance with the requirements of 40 CFR 63, Subpart HHHHHH. [40 CFR 63.11173(f)(2)(iv)]
iii. A description of the methods to be used at the completion of initial or refresher training to demonstrate, document, and provide certification of successful completion of the required training. Permittees who can show by documentation or certification that a painter's work experience and/or training has resulted in training equivalent to the training required in 40 CFR 63.11173(f)(2) are not required to provide the initial training required by 40 CFR 63.11173(f)(2) to these painters. [40 CFR 63.11173(f)(3)]

b. All spray-applied coatings shall be applied in a spray booth, preparation station, or mobile enclosure that meets the requirements of 40 CFR 63.11173(e)(2)(i) and either 40 CFR 63.11173(e)(2)(ii), (e)(2)(iii). [40 CFR 63.11173(e)(2)]

i. All spray booths, preparation stations, and mobile enclosures shall be fitted with a type of filter technology that is demonstrated to achieve at least 98-percent capture of paint overspray. The procedure used to demonstrate filter efficiency shall be consistent with the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) Method 52.1, “Gravimetric and Dust-Spot Procedures for Testing Air-Cleaning Devices Used in General Ventilation for Removing Particulate Matter, June 4, 1992” (incorporated by reference, see 40 CFR 63.14). The test coating for measuring filter efficiency shall be a high solids bake enamel delivered at a rate of at least 135 grams per minute from a conventional (non-HVLP) air-atomized spray gun operating at 40 pounds per square inch (psi) air pressure; the air flow rate across the filter shall be 150 feet per minute. Permittees may use published filter efficiency data provided by filter vendors to demonstrate compliance with this requirement and are not required to perform this measurement. The requirements of 40 CFR 63.11173(e)(2)(i) do not apply to waterwash spray booths that are operated and maintained according to the manufacturer's specifications. [40 CFR 63.11173(e)(2)(i)]

ii. Spray booths and preparation stations that are used to coat miscellaneous parts and products or vehicle subassemblies shall have a full roof, at least three complete walls or complete side curtains, and shall be ventilated so that air is drawn into the booth. The walls and roof of a booth may have openings, if needed, to allow for conveyors and parts to pass through the booth during the coating process. [40 CFR 63.11173(e)(2)(iii)]

c. All spray-applied coatings shall be applied with a high volume, low pressure (HVLP) spray gun, electrostatic application, airless spray gun, air-assisted airless spray gun, or an equivalent technology that is demonstrated by the spray gun manufacturer to achieve transfer efficiency comparable to one of the spray gun technologies listed above for a comparable operation, and for which written approval has been obtained from the Administrator. The procedure used to demonstrate that spray gun transfer efficiency is equivalent to that of an HVLP spray gun shall be equivalent to the California South Coast Air Quality Management District’s “Spray Equipment Transfer Efficiency Test Procedure for Equipment User, May 24, 1989” and “Guidelines for Demonstrating Equivalency with District Approved Transfer Efficient Spray Guns, September 26, 2002” (incorporated by reference, see 40 CFR 63.14). [40 CFR 63.11173(e)(3)]

d. All paint spray gun cleaning shall be done so that an atomized mist or spray of gun cleaning solvent and paint residue is not created outside of a container that collects used gun cleaning solvent. Spray gun cleaning may be done with, for example, hand cleaning of
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

parts of the disassembled gun in a container of solvent, by flushing solvent through the gun without atomizing the solvent and paint residue, or by using a fully enclosed spray gun washer. A combination of non-atomizing methods may also be used. [40 CFR 63.11173(e)(4)]

e. As required by 40 CFR 63.11173(e)(1), all new and existing personnel, including contract personnel, who spray apply surface coatings, as defined in 40 CFR 63.11180, shall be trained by the dates specified in 40 CFR 63.11173(g)(1) and (2). Employees who transfer within a company to a position as a painter are subject to the same requirements as a new hire. [40 CFR 63.11173(g)]

i. All personnel shall be trained and certified no later than 180 days after hiring. Painter training that was completed within five years prior to the date training is required, and that meets the requirements specified in 40 CFR 63.11173(f)(2) satisfies this requirement and is valid for a period not to exceed five years after the date the training is completed. [40 CFR 63.11173(g)(2)]

ii. Training and certification will be valid for a period not to exceed five years after the date the training is completed, and all personnel shall receive refresher training that meets the requirements of 40 CFR 63.11173 and be re-certified every five years. [40 CFR 63.11173(g)(3)]

2. Emission Limitations:

a. The permittee shall not cause, suffer, allow, or permit any continuous emission into the open air from a control device or stack associated with any affected facility which is equal to or greater than twenty (20) percent opacity. [401 KAR 59:010, Section 3(1)]

Compliance Demonstration Method:
Refer to 4. Specific Monitoring Requirements (b) and 5. Specific Recordkeeping Requirements (b).

b. For emissions from a control device or stack, the permittee shall not cause, suffer, allow or permit the emission into the open air of particulate matter from any affected facility which is in excess of the quantity specified in 401 KAR 59:010, Appendix A: [401 KAR 59:010, Section 3(2)]

i. For process weight rates up to 0.5 ton/hr: \[ E = 2.34 \]

ii. For process weight rates up to 30 ton/hr: \[ E = 3.59P^{0.62} \]

iii. For process weight rates more than 30 ton/hr: \[ E = 17.31P^{0.16} \]

Where: \( E \) is the rate of emission in lb/hr and \( P \) is the process weight rate in tons/hr.

Compliance Demonstration Method:
The source is assumed to be in compliance when filters and ductwork are operating and properly maintained.

c. Refer to SECTION D for source-wide emission limitations. [To preclude 401 KAR 52:020]
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. **Testing Requirements:**
Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 1, performance testing using the reference methods specified in 401 KAR 50:015 shall be conducted if required by the Cabinet.

4. **Specific Monitoring Requirements:**
   a. The permittee shall monitor the following for each emission point: [401 KAR 52:030, Section 10]
      i. The monthly and 12-month rolling total throughput of paint, solvent, and thinner;
      ii. The monthly and 12-month rolling total hours of operation; and
      iii. The VOC and HAP content for all materials used.

   b. The permittee shall perform a qualitative visual observation of the opacity of emissions from the stack no less frequently than once every seven (7) calendar days while the affected facility is operating. If visible emissions from the stack are observed (not including condensed water in the plume), then the permittee shall determine the opacity using U.S. EPA Reference Method 9. In lieu of determining the opacity using U.S. EPA Reference Method 9, the permittee shall immediately perform a corrective action which results in no visible emissions (not including condensed water in the plume). [401 KAR 52:030, Section 10]

   c. The permittee shall calculate monthly and 12-month rolling emissions of VOC and HAPs for each emission point to ensure compliance with the emission limits in **SECTION D**. [To preclude 401 KAR 52:020]

   d. Refer to **SECTION F** for general monitoring requirements.

5. **Specific Recordkeeping Requirements:**
   a. The permittee shall maintain records of the following: [401 KAR 52:030, Section 10]
      i. The monthly and 12-month rolling total throughput of paint, solvent, and thinner;
      ii. The monthly and 12-month rolling total hours of operation;
      iii. The VOC and HAP content for all materials used;
      iv. The daily pressure drop across the fabric filter.

   b. The permittee shall retain records of the qualitative visual observations required by **4. Specific Monitoring Requirements (b)**, including the date, time, initials of observer, whether any emissions were observed (yes/no), any Method 9 readings taken, and any corrective action taken including results due to observed emissions. [401 KAR 52:030, Section 10]

   c. The permittee shall maintain records of monthly and 12-month rolling emissions of VOC and HAPs to ensure compliance with the source-wide emission limitations listed in **SECTION D**. [401 KAR 52:030, Section 10]

   d. The permittee shall keep the records specified in 40 CFR 63.11177(a)-(d), (g) and (h). [40 CFR 63.11177]
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

i. Certification that each painter has completed the training specified in 40 CFR 63.11173(f) with the date the initial training and the most recent refresher training was completed. [40 CFR 63.11177(a)]

ii. Documentation of the filter efficiency of any spray booth exhaust filter material, according to the procedure in 40 CFR 63.11173(e)(3)(i). [40 CFR 63.11177(b)]

iii. Documentation from the spray gun manufacturer that each spray gun with a cup capacity equal to or greater than 3.0 fluid ounces (89 cc) that does not meet the definition of an HVLP spray gun, electrostatic application, airless spray gun, or air assisted airless spray gun, has been determined by the Administrator to achieve a transfer efficiency equivalent to that of an HVLP spray gun, according to the procedure in 40 CFR 63.11173(e)(4). [40 CFR 63.11177(c)]

iv. Copies of any notification submitted as required by 40 CFR 63.11175 and copies of any report submitted as required by 40 CFR 63.11176. [40 CFR 63.11177(d)]

v. Records of any deviation from the requirements in 40 CFR 63.11173, 40 CFR 63.11174, 40 CFR 63.11175, or 40 CFR 63.11176. These records shall include the date and time period of the deviation, and a description of the nature of the deviation and the actions taken to correct the deviation. [40 CFR 63.11177(g)]

vi. Records of any assessments of source compliance performed in support of the initial notification, notification of compliance status, or annual notification of changes report. [40 CFR 63.11177(h)]

e. Refer to SECTION F for general recordkeeping requirements.

6. Specific Reporting Requirements:

a. Annual Notification of Changes Report. The permittee shall submit a report in each calendar year in which information previously submitted in either the initial notification required by 40 CFR 63.11175(a), Notification of Compliance, or a previous annual notification of changes report submitted under 40 CFR 63.11176(a), has changed. Deviations from the relevant requirements in 40 CFR 63.11173(a) through (d) or 40 CFR 63.11173(e) through (g) on the date of the report will be deemed to be a change. The annual notification of changes report shall be submitted prior to March 1 of each calendar year when reportable changes have occurred and shall include the information specified in 40 CFR 63.11176(a)(1) through (2). [40 CFR 63.11176(a)]

i. The company's name and the street address (physical location) of the affected source and the street address where compliance records are maintained, if different. [40 CFR 63.11176(a)(1)]

ii. The name, title, address, telephone, e-mail address (if available) and signature of the owner and operator, or other certifying company official, certifying the truth, accuracy, and completeness of the notification and a statement of whether the source has complied with all the relevant standards and other requirements of 40 CFR 63, Subpart HHHHHH or an explanation of any noncompliance and a description of corrective actions being taken to achieve compliance. [40 CFR 63.11176(a)(2)]

b. The permittee shall include the monthly and 12-month rolling total HAP and VOC emissions in each semi-annual report. [401 KAR 52:030, Section 10]

c. Refer to SECTION F for general reporting requirements.
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

7. **Specific Control Equipment Operating Conditions:**
   a. The permittee shall install, operate, and maintain the control device associated with each emission point according to the manufacturer’s specifications and during all times that the associated emission point is operating. [401 KAR 52:030, Section 10]

   b. The permittee shall install, calibrate, and maintain a device for the measurement of pressure drop across the fabric filter at least once per day. [401 KAR 52:030, Section 10]

   c. The permittee shall calibrate each monitoring device according to the manufacturer’s instructions and maintain calibration records for all monitoring devices. [401 KAR 52:030, Section 10]

   d. Refer to **SECTION E**.
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Point T101 Gasoline Tank for Landscaping Equipment

**Description:** One gasoline dispensing tank with variable monthly throughput, with a facility total of less than 10,000 gallons per month.
Construction Commenced: 4/30/2022
Max. Capacity: 100 gallons
Control Equipment: None

**APPLICABLE REGULATION:**
401 KAR 63:002, Section (2)(4)(dddd), 40 C.F.R. 63.11110 to 63.11132, Tables 1 to 3 (Subpart CCCCCC), National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Dispensing Facilities

1. **Operating Limitations:**
   a. To maintain the current classification of the gasoline tanks, the total monthly throughput of gasoline for the tank shall not exceed 10,000 gallons. [40 CFR 63.11111]

   b. If the affected source's throughput ever exceeds an applicable throughput threshold, the affected source will become subject to the requirements for sources above the threshold, even if the affected source throughput later falls below the applicable throughput threshold. [40 CFR 63.11111(i)]

   c. The permittee shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following: [40 CFR 63.11116(a)]
   i. Minimize gasoline spills; [40 CFR 63.11116(a)(1)]
   ii. Clean up spills as expeditiously as practicable; [40 CFR 63.11116(a)(2)]
   iii. Cover all open gasoline containers and all gasoline storage fill-pipes with a gasketed seal when not in use; [40 CFR 63.11116(a)(3)]
   iv. Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices, such as oil/water separators. [40 CFR 63.11116(a)(4)]

2. **Emission Limitations:**
   None

3. **Testing Requirements:**
   Pursuant to 401 KAR 50:045, Section 1, performance testing using the reference methods specified in 401 KAR 50:015 shall be conducted if required by the Cabinet.

4. **Specific Monitoring Requirements:**
   Refer to SECTION F for general monitoring requirements.

5. **Specific Recordkeeping Requirements:**
   a. Records shall be kept of the monthly throughput of the total gasoline to the tank. [401 KAR 52:030, Section 10]
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

b. Records shall be maintained of date and time of gasoline spills and clean-up efforts. [401 KAR 52:030, Section 10]

c. The permittee is not required to submit notifications or reports as specified in 40 CFR 63.11125, 40 CFR 63.11126, or subpart A of 40 CFR part 60, but the permittee must have records available within 24 hours of a request by the Administrator to document the gasoline throughput. [40 CFR 63.11116(b)]

d. Refer to SECTION F for general recordkeeping requirements.

6. **Specific Reporting Requirements:**
   Refer to SECTION F for general reporting requirements.
SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:030, Section 6. Although these activities are designated as insignificant the permittee must comply with the applicable regulation. Process and emission control equipment at each insignificant activity subject to an opacity standard shall be inspected monthly and a qualitative visible emissions evaluation made. Results of the inspection, evaluation, and any corrective action shall be recorded in a log.

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<th>Generally Applicable Regulation</th>
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<td>1. EP 03: Air make up unit natural gas (2.0 MMBtu/hr)</td>
<td>401 KAR 59:010</td>
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<td>401 KAR 63:020</td>
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<tr>
<td>3. EP 04: Roll Forming (press and draw pre-painted panels)</td>
<td>401 KAR 63:010</td>
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<td>4. Six (6) DeWalt compound miter saws used for packaging</td>
<td>401 KAR 63:010</td>
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<td>5. Two (2) Scotchman miter saws used for aluminum extrusion cutting</td>
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<td>6. EP 05: OMAX Water jet</td>
<td>401 KAR 63:010</td>
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<tr>
<td>7. MEK and IPA Storage Drum(s), 55 gallon</td>
<td>None</td>
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<tr>
<td>8. EP 07: 33 Stationary Natural Gas Fired Space Heaters (avg. 0.175 MMBtu/hr each; 5.25 MMBtu/hr total)</td>
<td>401 KAR 59:010</td>
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<td>401 KAR 63:020</td>
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<td>9. EP 08: Natural Gas Fired Water Heater (0.075 MMBtu/hr)</td>
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<td>401 KAR 63:020</td>
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<td>10. 300-gal Diesel Tank</td>
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SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources incorporated by reference in 401 KAR 52:030, Section 26; compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.

2. VOC, PM, Opacity, and HAP emissions, measured by applicable reference methods, or an equivalent or alternative method specified in 40 C.F.R. Chapter I, or by a test method specified in the state implementation plan shall not exceed the respective limitations specified herein.

3. Source-wide VOC emissions shall not exceed 90 tons per year on a rolling 12-month basis. [To preclude 401 KAR 52:020]

**Compliance Demonstration Method:**
The permittee shall demonstrate compliance with the source-wide VOC emissions limit by calculating the source-wide emissions monthly using the following equation:

$$E_{VOC} = \sum_{i=1}^{n} \frac{PW_i \times EF_i^*}{2000 \text{ (lb/ton)}}$$

Where:
- $i$ = Each emission point from which VOC is emitted;
- $n$ = The total number of emission points from which VOC is emitted;
- $E_{VOC}$ = Total monthly VOC emissions, tons/month;
- $PW_i$ = Process weight used at emission point i, tons/month;
- $EF_i^*$ = Emission factor for VOC at emission point i, lb/ton; and
- * The VOC emission factor shall be the number determined from AP-42, the most recent Division approved stack test, or Division approved value.

The total monthly VOC emission rate (tons/month) as calculated above shall be used to show compliance with the rolling 12-month total limit using the following equation:

$$T_{VOC} = \sum_{m=1}^{12} (E_{VOC})_m$$

Where:
- $T_{VOC}$ = Total 12-month rolling VOC emission rate, ton/yr;
- $E_{VOC}$ = Total monthly VOC emissions, tons/month;
- $m$ = month

4. Any single HAP emissions shall not exceed 9 tons/yr during any 12-month rolling period and source-wide HAP emissions shall not exceed 22.5 tons during any 12-month rolling period. [To preclude 401 KAR 52:020]
SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

Compliance Demonstration Method:
The permittee shall demonstrate compliance with the source-wide HAP emission limits by calculating the source-wide individual and combined HAP emissions monthly using the following equation:

\[ E_{HAP} = \sum_{i=1}^{n} PW_i \times EF_i \times \left( \frac{1 - CE_i}{2000 \left( \frac{lb}{tons} \right)} \right) \]

Where:
\( i \) = Each emission point from which HAP is emitted;
\( n \) = The total number of emission points from which HAP is emitted;
\( E_{HAP} \) = Total monthly HAP emissions; (tons/month)
\( PW_i \) = Process weight used at emission point i; (tons/month)
\( EF_i \) = Emission factor for HAP at emission point i; and (lb/ton)
* The HAP emission factor shall be the number determined from AP-42, SDS, the most recent Division approved stack test, or Division approved value.
\( CE_i \) = Control efficiency for controls (if any) used at emission point i.

The total monthly HAP emission rate (tons/month) as calculated above shall be used to show compliance with the rolling 12-month total limit using the following equation:

\[ HAP_{total} = \sum_{m=1}^{12} (E_{HAP})_m \]

Where:
\( E_{HAP} \) = Total monthly HAP emissions
\( m \) = month
SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b-IV-1 of the Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources incorporated by reference in 401 KAR 52:030 Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
   a. Date, place (as defined in this permit), and time of sampling or measurements;
   b. Analyses performance dates;
   c. Company or entity that performed analyses;
   d. Analytical techniques or methods used;
   e. Analyses results; and
   f. Operating conditions during time of sampling or measurement.

2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five (5) years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [401 KAR 52:030, Section 3(1)(f)1a, and Section 1a-7 of the Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources incorporated by reference in 401 KAR 52:030, Section 26].

3. In accordance with the requirements of 401 KAR 52:030, Section 3(1)f, the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
   a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
   b. To access and copy any records required by the permit;
   c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.

   Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.

4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.

5. Summary reports of any monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Sections 1b-V-1 of the Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources incorporated by reference in 401 KAR 52:030, Section 26].

6. The semi-annual reports are due by January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:030, Section 22. If continuous
SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

emission and opacity monitors are required by regulation or this permit, data shall be reported in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All deviations from permit requirements shall be clearly identified in the reports.

7. In accordance with the provisions of 401 KAR 50:055, Section 1, the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
   a. When emissions during any planned shutdowns and ensuing startups will exceed the standards, notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
   b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall be submitted in writing upon request.

8. The permittee shall promptly report deviations from permit requirements, including those attributable to upset conditions as defined in the permit, the probable cause of such deviations, and any corrective actions or preventive measures taken shall be submitted to the Regional Office listed on the front of this permit. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement does not identify a specific time frame for reporting deviations, prompt reporting, as required by Sections 1b-V, 3 and 4 of the Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources incorporated by reference in 401 KAR 52:030, Section 26 shall be defined as follows:
   a. For emissions of a hazardous air pollutant or a toxic air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
   b. For emissions of any regulated air pollutant, excluding those listed in F.8.a., that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
   c. All deviations from permit requirements, including those previously reported, shall be included in the semiannual report required by F.6.

9. Pursuant to 401 KAR 52:030, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit in accordance with the following requirements:
   a. Identification of each term or condition;
   b. Compliance status of each term or condition of the permit;
   c. Whether compliance was continuous or intermittent;
   d. The method used for determining the compliance status for the source, currently and over the reporting period.
   e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any
SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

applicable requirements will be demonstrated within the timeframes specified in the permit.

f. The certification shall be submitted by January 30th of each year. Annual compliance certifications shall be sent to the Division for Air Quality, Frankfort Regional Office, 300 Sower Boulevard, 1ST Floor, Frankfort, KY 40601-1134.

10. In accordance with 401KAR 52:030, Section 3(1)(d), the permittee shall provide the Division with all information necessary to determine its subject emissions within 30 days of the date the Kentucky Emissions Inventory System (KYEIS) emissions survey is mailed to the permittee. If a KYEIS emissions survey is not mailed to the permittee, then the permittee shall comply with all other emissions reporting requirements in this permit.

11. The Cabinet may authorize the temporary use of an emission unit to replace a similar unit that is taken off-line for maintenance, if the following conditions are met:

a. The owner or operator shall submit to the Cabinet, at least ten (10) days in advance of replacing a unit, the appropriate Forms DEP7007AI to DD that show:
   (1) The size and location of both the original and replacement units; and
   (2) Any resulting change in emissions;

b. The potential to emit (PTE) of the replacement unit shall not exceed that of the original unit by more than twenty-five (25) percent of a major source threshold, and the emissions from the unit shall not cause the source to exceed the emissions allowable under the permit;

c. The PTE of the replacement unit or the resulting PTE of the source shall not subject the source to a new applicable requirement;

d. The replacement unit shall comply with all applicable requirements; and

e. The source shall notify Regional office of all shutdowns and start-ups.

f. Within six (6) months after installing the replacement unit, the owner or operator shall:
   (1) Re-install the original unit and remove or dismantle the replacement unit; or
   (2) Submit an application to permit the replacement unit as a permanent change.
SECTION G - GENERAL PROVISIONS

1. General Compliance Requirements

a. The permittee shall comply with all conditions of this permit. A noncompliance shall be a violation of 401 KAR 52:030, Section 3(1)(b), and a violation of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act). Noncompliance with this permit is grounds for enforcement action including but not limited to the termination, revocation and reissuance, revision, or denial of a permit [Section 1a-2 of the Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources incorporated by reference in 401 KAR 52:030, Section 26].

b. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a-5 of the Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources incorporated by reference in 401 KAR 52:030, Section 26].

c. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:030, Section 18. The permit will be reopened for cause and revised accordingly under the following circumstances:
   (1) If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:030, Section 12;
   (2) The Cabinet or the United States Environmental Protection Agency (U. S. EPA) determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
   (3) The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.
Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

d. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or to determine compliance with the conditions of this permit [Sections 1a-6 and 7 of the Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources incorporated by reference in 401 KAR 52:030, Section 26].

e. Emission units described in this permit shall demonstrate compliance with applicable requirements if requested by the Division [401 KAR 52:030, Section 3(1)(c)].
SECTION G - GENERAL PROVISIONS (CONTINUED)

f. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the permitting authority [401 KAR 52:030, Section 7(1)].

g. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a-11 of the Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources incorporated by reference in 401 KAR 52:030, Section 26].

h. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a-3 of the Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources incorporated by reference in 401 KAR 52:030, Section 26].

i. All emission limitations and standards contained in this permit shall be enforceable as a practical matter. All emission limitations and standards contained in this permit are enforceable by the U.S. EPA and citizens except for those specifically identified in this permit as state-origin requirements. [Section 1a-12 of the Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources incorporated by reference in 401 KAR 52:030, Section 26].

j. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6) [Section 1a-9 of the Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources incorporated by reference in 401 KAR 52:030, Section 26].

k. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:030, Section 11(3)].

l. This permit does not convey property rights or exclusive privileges [Section 1a-8 of the Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources incorporated by reference in 401 KAR 52:030, Section 26].

m. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Cabinet or any other federal, state, or local agency.

n. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry.

o. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders.
SECTION G - GENERAL PROVISIONS (CONTINUED)

p. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic Minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.

q. Pursuant to 401 KAR 52:030, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with:
   (1) Applicable requirements that are included and specifically identified in this permit; and
   (2) Non-applicable requirements expressly identified in this permit.

2. Permit Expiration and Reapplication Requirements

a. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six (6) months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:030, Section 12].

b. The authority to operate granted through this permit shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:030, Section 8(2)].

3. Permit Revisions

a. Minor permit revision procedures specified in 401 KAR 52:030, Section 14(3), may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the State Implementation Plan (SIP) or in applicable requirements and meet the relevant requirements of 401 KAR 52:030, Section 14(2).

b. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and 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 permitting authority within ten (10) days following the transfer.

4. Construction, Start-Up, and Initial Compliance Demonstration Requirements

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the construction of the equipment described herein, emission units EP 01 (spray booth and clean-up) additional spray gun and EP T101 (100-gal Gasoline Tank), in accordance
SECTION G - GENERAL PROVISIONS (CONTINUED)

with the terms and conditions of permit F-22-024.

a. Construction of any process and/or air pollution control equipment authorized by this permit shall be conducted and completed only in compliance with the conditions of this permit.

b. Within thirty (30) days following commencement of construction and within fifteen (15) days following start-up and attainment of the maximum production rate specified in the permit application, or within fifteen (15) days following the issuance date of this permit, whichever is later, the permittee shall furnish to the Regional Office listed on the front of this permit in writing, notification of the following:
   (1) The date when construction commenced.
   (2) The date of start-up of the affected facilities listed in this permit.
   (3) The date when the maximum production rate specified in the permit application was achieved.

c. Pursuant to 401 KAR 52:030, Section 3(2), unless construction is commenced within eighteen (18) months after the permit is issued, or begins but is discontinued for a period of eighteen (18) months or is not completed within a reasonable timeframe then the construction and operating authority granted by this permit for those affected facilities for which construction was not completed shall immediately become invalid. Upon written request, the Cabinet may extend these time periods if the source shows good cause.

d. For those affected facilities for which construction is authorized by this permit, a source shall be allowed to construct with the draft permit. Pursuant to 401 KAR 50:055, Section 2(1)(a), an owner or operator of any affected facility subject to any standard within the administrative regulations of the Division for Air Quality shall demonstrate compliance with the applicable standard(s) within sixty (60) days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial start-up of such facility. Pursuant to 401 KAR 52:030, Section 3(3)(c), sources that have not demonstrated compliance within the timeframes prescribed in 401 KAR 50:055, Section 2(1)(a), shall operate the affected facility only for purposes of demonstrating compliance unless authorized under an approved compliance plan or an order of the cabinet.

e. This permit shall allow time for the initial start-up, operation, and compliance demonstration of the affected facilities listed herein. However, within sixty (60) days after achieving the maximum production rate at which the affected facilities will be operated but not later than 180 days after initial start-up of such facilities, the permittee shall conduct a performance demonstration on the affected facilities in accordance with 401 KAR 50:055, General compliance requirements. Testing must also be conducted in accordance with General Provisions G.5 of this permit.

5. Testing Requirements

a. Pursuant to 401 KAR 50:045, Section 2, a source required to conduct a performance test shall submit a completed Compliance Test Protocol form, DEP form 6028, or a test protocol a source has developed for submission to other regulatory agencies, in a format
SECTION G - GENERAL PROVISIONS (CONTINUED)

approved by the cabinet, to the Division's Frankfort Central Office a minimum of sixty (60) days prior to the scheduled test date. Pursuant to 401 KAR 50:045, Section 7, the Division shall be notified of the actual test date at least Thirty (30) days prior to the test.

b. Pursuant to 401 KAR 50:045, Section 5, in order to demonstrate that a source is capable of complying with a standard at all times, any required performance test shall be conducted under normal conditions that are representative of the source’s operations and create the highest rate of emissions. If the maximum production rate represents a source’s highest emissions rate and a performance test is conducted at less than the maximum production rate, a source shall be limited to a production rate of no greater than 110 percent of the average production rate during the performance tests. If and when the facility is capable of operation at the rate specified in the application, the source may retest to demonstrate compliance at the new production rate. The Division for Air Quality may waive these requirements on a case-by-case basis if the source demonstrates to the Division's satisfaction that the source is in compliance with all applicable requirements.

c. Results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days or sooner if required by an applicable standard, after the completion of the fieldwork.

6. Acid Rain Program Requirements

If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.


a. Pursuant to 401 KAR 52:030, Section 23(1), an emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or other relevant evidence that:
   (1) An emergency occurred and the permittee can identify the cause of the emergency;
   (2) The permitted facility was at the time being properly operated;
   (3) During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and,
   (4) The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two (2) working days of the time when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and the corrective actions taken.
   (5) Notification of the Division does not relieve the source of any other local, state or federal notification requirements.

b. Emergency conditions listed in General Provision G.7.a above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:030,
SECTION G - GENERAL PROVISIONS (CONTINUED)

Section 23(3)].

c. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:030, Section 23(2)].

8. Ozone depleting substances

a. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
   (1) Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
   (2) Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
   (3) Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
   (4) Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166.
   (5) Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
   (6) Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.

b. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.


a. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to U.S. EPA using the RMP* eSubmit software.

b. If requested, submit additional relevant information to the Division or the U.S. EPA.
SECTION H - ALTERNATE OPERATING SCENARIOS

None

SECTION I - COMPLIANCE SCHEDULE

N/A