Commonwealth of Kentucky
Energy and Environment Cabinet
Department for Environmental Protection
Division for Air Quality
300 Sower Boulevard, 2nd Floor
Frankfort, Kentucky 40601
(502) 564-3999

Draft

AIR QUALITY PERMIT

Issued under 401 KAR 52:030

Permittee Name:	**Ammann America, Inc.**
Mailing Address:	**6800 Industrial Road** **Florence, KY 41042**
Source Name:	**Ammann America, Inc.**
Mailing Address:	**6800 Industrial Road** **Florence, KY 41042**
Source Location:	**6800 Industrial Road**
Permit ID:	**F-24-054**
Agency Interest #:	**11323**
Activity ID:	**APE20240002**
Review Type:	**Conditional Major, Construction / Operating**
Source ID:	**21-117-00251**
Regional Office:	**Florence Regional Office** **8020 Veterans Memorial Drive, Suite 110** **Florence, KY 41042** **(859) 525-4923**
County:	**Kenton**
Application Complete Date:	**October 8, 2024**
Issuance Date:	
Expiration Date:	

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

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Permit	Permit Type	Activity#	Complete Date	Issuance Date	Summary of Action
F-24-054	**Initial**	**APE20240002**	**10/8/2024**		**Initial Construction Permit**

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.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 01 Paint Booth

Description:
Paint booth equipped with four (4) manual airless type spray guns. Coating materials applied include Primer, Low-Temperature Topcoat and High Temperature Topcoat.
Construction Date: Proposed January 2025
Controls: Panel Filters to control PM/PM_{10}/$PM_{2.5}$ and MFHAP emissions
Control Efficiency: 99.45 percent

APPLICABLE REGULATIONS:
401 KAR 59:010, New process operations

401 KAR 63:002, Section 2(4)(vvvvv) 40 C.F.R. 63.11514 to 63.11523, Tables 1 through 2 (Subpart XXXXXX), National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories

1. **Operating Limitations:**
   a. Spray booths or spray rooms must have a full roof, at least two complete walls, and one or two complete side curtains or other barrier material so that all four sides are covered. The spray booths or spray rooms must be ventilated so that air is drawn into the booth and leaves only though the filter. The roof may contain narrow slots for connecting fabricated products to overhead cranes, and/or for cords or cables. [40 CFR 63.11516(d)(1)(i)]

   b. All spray booths or spray rooms must be fitted with a type of filter technology that is demonstrated to achieve at least 98 percent capture of MFHAP. The procedure used to demonstrate filter efficiency must 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 §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-High Volume Low Pressure) air-atomized spray gun operating at 40 psi air pressure; the air flow rate across the filter shall be 150 feet per minute. Owners and operators may use published filter efficiency data provided by filter vendors to demonstrate compliance with this requirement and are not required to perform this measurement. [40 CFR 63.11516(d)(1)(ii)]

   c. The permittee shall perform regular inspection and replacement of the filters in all spray booths or spray rooms according to manufacturer's instructions and maintain documentation of these activities. [40 CFR 63.11516(d)(1)(iii)]

   d. All paints applied via spray-applied painting must 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 to achieve transfer efficiency comparable to one of these spray gun technologies for a comparable operation,

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

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 must 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" [40 CFR 63.11516(d)(2)]

e. All cleaning of paint spray guns must be done with either non-HAP gun cleaning solvents, or in such a manner that an atomized mist of spray of gun cleaning solvent and paint residue is not created outside of a container that collects the used gun cleaning solvent. Spray gun cleaning may be done with, for example, by hand cleaning of 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 these non-atomizing methods may also be used. [40 CFR 63.11516(d)(4)]

f. All workers performing painting must be certified that they have completed training in the proper spray application of paints and the proper setup and maintenance of spray equipment. The minimum requirements for training and certification are described below. The spray application of paint is prohibited by persons who are not certified as having completed the training described below. These requirements do not apply to the students of an accredited painting training program who are under the direct supervision of an instructor who meets the requirements of this paragraph. These requirements do not apply to operators of robotic or automated painting operations. The training program must include at a minimum the following: [40 CFR 63.11516(d)(5 & 6)]

   1. A list of all current personnel by name and job description who are required to be trained.
   2. Hands-on, or in-house or external classroom instruction that addresses, at a minimum, initial and refresher training in the following topics:
      A. Spray gun equipment selection, set up, and operation, including measuring paint viscosity, selecting the proper fluid tip or nozzle, and achieving the proper spray pattern, air pressure and volume, and fluid delivery rate.
      B. Spray technique for different types of paints to improve transfer efficiency and minimize paint 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.
      C. Routine spray booth and filter maintenance, including filter selection and installation.
      D. Environmental compliance with the requirements of this subpart.
   3. 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.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

g. All personnel must be trained and certified no later than 180 days after hiring. [40 CFR 63.11516(d)(8)]

h. Training and certification will be valid for a period not to exceed 5 years after the date the training is completed. All personnel must receive refresher training that meets the requirements of this section and be re-certified every 5 years. [40 CFR 63.11516(d)(9)]

2. Emission Limitations:

a. Opacity Standard. No person shall 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** and **5. Specific Recordkeeping Requirements** for opacity compliance demonstration.

b. Mass emission standard. No person shall cause, suffer, allow or permit the emission into the open air of particulate matter from any affected facility which is in excess 2.34 lb/hr. [401 KAR 59:010, Section 3(2)]

Compliance Demonstration Method:
The source is assumed to be in compliance when the filters are in place and properly maintained. Refer to **4. Specific Monitoring Requirements** and **5. Specific Recordkeeping Requirements**.

c. See Section D for source-wide VOC and HAPs emission limitations.

3. Testing Requirements:

Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 50:045, Section 4 and 401 KAR 59:005, Section 2(2).

4. Specific Monitoring Requirements:

a. The permittee shall perform a qualitative visual observation of the opacity of emissions at each stack no less than weekly while the affected facility is operating. If visible emissions from the stacks are observed (not including condensed water in the plume), the permittee shall determine the opacity using Reference Method 9. In lieu of determining the opacity using U.S. EPA 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]

b. The filter pressure drop shall be monitored daily when the paint booth is operated. [401 KAR 52:030, Section 10]

c. The twelve-month rolling total VOC and HAPs emissions shall be monitored monthly. [401 KAR 52:030, Section 10]

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

a. The permittee shall maintain a log of the visual observations noting date, time and initials of observers, records of corrective actions taken as a result of visible emissions from a stack and records of any Reference Method 9 readings performed. [401 KAR 52:030, Section 10]

b. The permittee shall maintain a log of the pressure drop readings across the filters, including the date, and dates of filter replacements. For any booth that is not in operation on a given date, this fact should also be noted. [401 KAR 52:030, Section 10]

c. Monthly records shall be kept of all coatings and solvents used containing VOC and HAPs including the product type, amount used and the weight percentages for VOC and all individual HAPs. [401 KAR 52:030, Section 10]

d. At the end of each month, VOC and HAPs emissions shall be calculated per Section D of this permit, and every month, a new 12-month rolling total for VOC and HAP emissions shall be calculated. [401 KAR 52:030, Section 10]

e. The permittee shall maintain the following: Each notification and report that is submitted to comply with this subpart, and the documentation supporting each notification and report, Records of the applicability determinations as in 40 CFR 63.11514(b)(1) through (5), “Am I subject to this subpart,” listing equipment included in its affected source, as well as any changes to that and on what date they occurred, must be maintained for 5 years and be made available for inspector review at any time. [40 CFR 63.11519(c)(1)]

f. The permittee shall maintain a record of the manufacturer's specifications for the control devices used to comply with 40 CFR 63.11516, “What are my standards and management practices?” [40 CFR 63.11519(c)(4)]

g. The permittee shall maintain a record of the filter efficiency demonstrations and spray paint booth filter maintenance activities, performed in accordance with 40 CFR 63.11516(d)(1)(ii) and (iii), “Requirements for spray painting objects in spray booths or spray rooms.” [40 CFR 63.11519(c)(5)]

h. The permittee shall maintain documentation of HVLP or other high transfer efficiency spray paint delivery systems, in compliance with 40 CFR 63.11516(d)(3), “Requirements for spray painting of all objects.” This documentation must include the manufacturer's specifications for the equipment and any manufacturer's operation instructions. If the permittee has obtained written approval for an alternative spray application system in accordance with 40 CFR 63.11516(d)(2), “Spray painting of all objects,” the permittee shall maintain a record of that approval along with documentation of the demonstration of equivalency. [40 CFR 63.11519(c)(7)]

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

i. The permittee shall maintain certification that each worker performing spray painting operations has completed the training specified in 40 CFR 63.11516(d)(6), "Requirements for spray painting of all objects," with the date the initial training and the most recent refresher training was completed. [40 CFR 63.11519(c)(8)]

j. Records shall be maintained in a form suitable and readily available for expeditious review. Each record shall be kept for 5 years following the date of each occurrence, measurement, corrective action, report, or record. The permittee shall keep each record on-site for at least 2 years after the date of each occurrence, measurement, corrective action, report, or record. The permittee may keep the records off-site for the remaining 3 years. [40 CFR 63.11519(c)(15)]

6. <u>Specific Reporting Requirements</u>:

a. The permittee shall submit a copy of the control device inspection and repair log for those times when corrective actions are required due to an opacity exceedance and/or records of any Reference Method 9 opacity observations as noted in Section B (4) a. Copies of these records shall be submitted as a part of the semiannual reporting as required in Section F (5) & (6). [401 KAR 52:030, Section 10]

b. The following information shall be reported semiannually: [401 KAR 52:030, Section 10]
   1. The VOC, single HAP and combined HAPs emissions calculation for each month.
   2. The rolling 12-month total of VOC, single HAP and combined HAPs emissions.

c. The permittee shall submit an annual certification and compliance report that covers each subsequent semiannual reporting period from January 1 through December 31. Each annual certification and compliance report must be prepared and submitted no later than January 31 and kept in a readily-accessible location for inspector review. If an exceedance has occurred during the year, each annual certification and compliance report must be submitted along with the exceedance reports, and postmarked or delivered no later than January 31. The report must contain the following: [40 CFR 63.11519(b)]
   1. Company name and address.
   2. Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
   3. Date of report and beginning and ending dates of the reporting period. The reporting period is the 12-month period ending on December 31. Note that the information reported for the 12 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.

7. <u>Specific Control Equipment Operating Conditions</u>:

Refer to Section E.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 02 Welding Operations

Description:
Corrective welding using E70S (or similar) welding rod
Construction Date: Proposed January 2025
Controls: None, Vents inside building
Control Efficiency: 70% applied for venting inside building
Welding Wire Usage: < 2,000 lbs annually

APPLICABLE REGULATIONS:
401 KAR 59:010, New process operations

401 KAR 63:002, Section 2(4)(vvvvv) 40 C.F.R. 63.11514 to 63.11523, Tables 1 through 2 (Subpart XXXXXX), National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories

1. **Operating Limitations:**
   a. The permittee shall operate all equipment, capture, and control devices associated with welding operations according to manufacturer's instructions. The permittee shall demonstrate compliance with this requirement by maintaining a record of the manufacturer's specifications for the capture and control devices, as specified by the requirements in 40 CFR 63.11519(c)(4), "Notification, recordkeeping, and reporting requirements. [40 CFR 63.11516(f)(1)]

   b. The permittee shall implement one or more of the management practices specified below to minimize emissions of MFHAP, as practicable, while maintaining the required welding quality through the application of sound engineering judgment. [40 CFR 63.11516(f)(2)]
      1. Use welding processes with reduced fume generation capabilities (e.g., gas metal arc welding (GMAW)—also called metal inert gas welding (MIG));
      2. Use welding process variations (e.g., pulsed current GMAW), which can reduce fume generation rates;
      3. Use welding filler metals, shielding gases, carrier gases, or other process materials which are capable of reduced welding fume generation;
      4. Optimize welding process variables (e.g., electrode diameter, voltage, amperage, welding angle, shield gas flow rate, travel speed) to reduce the amount of welding fume generated; and
      5. Use a welding fume capture and control system, operated according to the manufacturer's specifications.

2. **Emission Limitations:**
   a. Opacity Standard. No person shall 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)].

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Compliance Demonstration Method:
Refer to **4. Specific Monitoring Requirements** and **5. Specific Recordkeeping Requirements** for opacity compliance demonstration.

b. Mass emission standard. No person shall cause, suffer, allow or permit the emission into the open air of particulate matter from any affected facility which is in excess of 2.34 lb/hr. [401 KAR 59:010, Section 3(2)]

Compliance Demonstration Method:
The source is assumed to be in compliance when the units are properly operated and maintained.

c. See Section D for source-wide HAPs emission limitations.

3. Testing Requirements:
Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 50:045, Section 4 and 401 KAR 59:005, Section 2(2).

4. Specific Monitoring Requirements:

a. The permittee shall perform a qualitative visual observation of the opacity of emissions at each stack no less than weekly while the affected facility is operating. If visible emissions from the stacks are observed (not including condensed water in the plume), the permittee shall determine the opacity using Reference Method 9. In lieu of determining the opacity using U.S. EPA 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]

b. The permittee shall monitor and maintain records of the monthly amount welding rod usage. [401 KAR 52:030, Section 10]

c. The twelve-month rolling total HAPs emissions shall be monitored monthly. [401 KAR 52:030, Section 10]

5. Specific Recordkeeping Requirements:

a. The permittee shall maintain a log of the visual observations noting date, time and initials of observers, records of corrective actions taken as a result of visible emissions from a stack and records of any Reference Method 9 readings performed. [401 KAR 52:030, Section 10]

b. At the end of each month, HAPs emissions shall be calculated per Section D of this permit, and every month, a new 12-month rolling total for HAP emissions shall be calculated. [401 KAR 52:030, Section 10]

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

c. The permittee shall maintain the following: Each notification and report that is submitted to comply with this subpart, and the documentation supporting each notification and report, Records of the applicability determinations as in 40 CFR 63.11514(b)(1) through (5), "Am I subject to this subpart," listing equipment included in its affected source, as well as any changes to that and on what date they occurred, must be maintained for 5 years and be made available for inspector review at any time. [40 CFR 63.11519(c)(1)]

d. Manufacturer's instructions. If the permittee complies with this subpart by operating any equipment according to manufacturer's instruction, the permittee shall keep these instructions readily available for inspector review. [40 CFR 63.11519(c)(13)].

e. Welding Rod usage. If the permittee operates a new or existing welding affected source which is not required to comply with the requirements of 40 CFR 63.11516(f)(3) through (8) because it uses less than 2,000 pounds per year of welding rod (on a rolling 12-month basis), the permittee shall maintain records demonstrating your welding rod usage on a rolling 12-month basis. [40 CFR 63.11519(c)(14)]

f. Records shall be maintained in a form suitable and readily available for expeditious review. Each record shall be kept for 5 years following the date of each occurrence, measurement, corrective action, report, or record. The permittee shall keep each record on-site for at least 2 years after the date of each occurrence, measurement, corrective action, report, or record. The permittee may keep the records off-site for the remaining 3 years. [40 CFR 63.11519(c)(15)]

6. <u>Specific Reporting Requirements</u>:

a. The permittee shall submit records of any Reference Method 9 opacity observations as noted in Section B (4) a. Copies of these records shall be submitted as a part of the semiannual reporting as required in Section F (5) & (6). [401 KAR 52:030, Section 10]

b. The following information shall be reported semiannually: [401 KAR 52:030, Section 10]

1. The single HAP and combined HAPs emissions calculation for each month.
2. The rolling 12-month total of single HAP and combined HAPs emissions.

c. The permittee shall submit an annual certification and compliance report that covers each subsequent semiannual reporting period from January 1 through December 31. Each annual certification and compliance report must be prepared and submitted no later than January 31 and kept in a readily-accessible location for inspector review. If an exceedance has occurred during the year, each annual certification and compliance report must be submitted along with the exceedance reports, and postmarked or delivered no later than January 31. The report must contain the following: [40 CFR 63.11519(b)]

1. Company name and address.
2. Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. Date of report and beginning and ending dates of the reporting period. The reporting period is the 12-month period ending on December 31. Note that the information reported for the 12 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 03 Abrasive Blasting

Description:
Abrasive Blasting Booth with Fabric Filter. Control Efficiency 99.7%,
Construction Date: Proposed January 2025

APPLICABLE REGULATIONS:
401 KAR 59:010, New process operations

401 KAR 63:002, Section 2(4)(vvvvv) 40 C.F.R. 63.11514 to 63.11523, Tables 1 through 2 (Subpart XXXXXX), National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories

1. **Operating Limitations:**
   Standards for dry abrasive blasting of objects performed in vented enclosures. If the permittee owns or operates a new or existing dry abrasive blasting affected source which consists of a dry abrasive blasting operation which has a vent allowing any air or blast material to escape, the permittee shall comply with the requirements in paragraphs (a)(2)(i) and (ii) of this section. Dry abrasive blasting operations for which the items to be blasted exceed 8 feet (2.4 meters) in any dimension, may be performed subject to the requirements in paragraph (a)(3) of this section. [40 CFR 63.11516(a)(2)]
   1. The permittee shall capture emissions and vent them to a filtration control device. The permittee shall operate the filtration control device according to manufacturer's instructions, and the permittee shall demonstrate compliance with this requirement by maintaining a record of the manufacturer's specifications for the filtration control devices, as specified by the requirements in 40 CFR 63.11519(c)(4), “What are my notification, recordkeeping, and reporting requirements?”
   2. The permittee shall implement the management practices to minimize emissions of MFHAP as specified in paragraphs (a)(2)(ii)(A) through (C) of this section.
      A. The permittee shall take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable.
      B. The permittee shall enclose dusty abrasive material storage areas and holding bins, seal chutes and conveyors that transport abrasive materials.
      C. The permittee shall operate all equipment associated with dry abrasive blasting operations according to manufacturer's instructions.

2. **Emission Limitations:**
   a. Opacity Standard. No person shall 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** and **5. Specific Recordkeeping Requirements** for opacity compliance demonstration.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

b. Mass emission standard. No person shall 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 rates ≤ 0.5 tons/hour: **E = 2.34**
   ii. For process rates ≤ 30 tons/hour: $\mathbf{E = 3.59(P)^{0.62}}$

   Where:
   E = the PM emissions rate (pounds/hour)
   P = the process rate (tons/hour)

   Compliance Demonstration Method:
   The source is assumed to be in compliance when control equipment is maintained and operated according to manufacturer's specifications.

c. See Section D for source-wide HAPs emission limitations.

3. Testing Requirements:
Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 50:045, Section 4 and 401 KAR 59:005, Section 2(2).

4. Specific Monitoring Requirements:
a. The permittee shall perform a qualitative visual observation of the opacity of emissions at each stack no less than weekly while the affected facility is operating. If visible emissions from the stacks are observed (not including condensed water in the plume), the permittee shall determine the opacity using Reference Method 9. In lieu of determining the opacity using U.S. EPA 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]

b. The filter pressure drop shall be monitored daily when the Blasting Booth is operated. [401 KAR 52:030, Section 10]

c. The twelve-month rolling total HAPs emissions shall be monitored monthly. [401 KAR 52:030, Section 10]

5. Specific Recordkeeping Requirements:
a. The permittee shall maintain a log of the visual observations noting date, time and initials of observers, records of corrective actions taken as a result of visible emissions from a stack and records of any Reference Method 9 readings performed. [401 KAR 52:030, Section 10]

b. The permittee shall maintain a log of the pressure drop readings across the filters, including the date, and dates of filter replacements. For any booth that is not in operation on a given date, this fact should also be noted. [401 KAR 52:030, Section 10]

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

c. The permittee shall maintain records of the monthly amount of blasting media usage. [401 KAR 52:030, Section 10]

d. At the end of each month, HAPs emissions shall be calculated per Section D of this permit, and every month, a new 12-month rolling total for HAP emissions shall be calculated. [401 KAR 52:030, Section 10]

e. The permittee shall maintain the following: Each notification and report that is submitted to comply with this subpart, and the documentation supporting each notification and report, Records of the applicability determinations as in 40 CFR 63.11514(b)(1) through (5), "Am I subject to this subpart," listing equipment included in its affected source, as well as any changes to that and on what date they occurred, must be maintained for 5 years and be made available for inspector review at any time. [40 CFR 63.11519(c)(1)]

f. The permittee shall maintain a record of the manufacturer's specifications for the control devices used to comply with 40 CFR 63.11516, "What are my standards and management practices?" [40 CFR 63.11519(c)(4)]

g. Records shall be maintained in a form suitable and readily available for expeditious review. Each record shall be kept for 5 years following the date of each occurrence, measurement, corrective action, report, or record. The permittee shall keep each record on-site for at least 2 years after the date of each occurrence, measurement, corrective action, report, or record. The permittee may keep the records off-site for the remaining 3 years. [40 CFR 63.11519(c)(15)]

6. <u>Specific Reporting Requirements</u>:

a. The permittee shall submit a copy of the control device inspection and repair log for those times when corrective actions are required due to an opacity exceedance and/or records of any Reference Method 9 opacity observations as noted in Section B (4) a. Copies of these records shall be submitted as a part of the semiannual reporting as required in Section F (5) & (6). [401 KAR 52:030, Section 10]

b. The following information shall be reported semiannually: [401 KAR 52:030, Section 10]

1. The single HAP and combined HAPs emissions calculation for each month.
2. The rolling 12-month total of single HAP and combined HAPs emissions.

c. The permittee shall submit an annual certification and compliance report that covers each subsequent semiannual reporting period from January 1 through December 31. Each annual certification and compliance report must be prepared and submitted no later than January 31 and kept in a readily-accessible location for inspector review. If an exceedance has occurred during the year, each annual certification and compliance report must be submitted along with the exceedance reports, and postmarked or delivered no later than January 31. The report must contain the following: [40 CFR 63.11519(b)]

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

1. Company name and address.
2. Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.
3. Date of report and beginning and ending dates of the reporting period. The reporting period is the 12-month period ending on December 31. Note that the information reported for the 12 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.

7. <u>Specific Control Equipment Operating Conditions</u>:
Refer to Section E.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 04 Natural Gas Fired Emergency Spark Ignition (SI) Reciprocating Internal Combustion Engine (RICE)

Description: Power Output Rated Capacity: 50 kW (67 hp)
Construction Date: Proposed January 2025

APPLICABLE REGULATIONS:

401 KAR 60:005 Section 2(2)(eeee) 40 C.F.R. 60.4230 through 60.4248, Tables 1 through 4 (Subpart JJJJ), Standards of Performance for Stationary Spark Ignition Internal Combustion Engines.

401 KAR 63:002 Section 2(4)(eeee) 40 C.F.R. 63.6580 through 63.6675, Tables 1a through 8, and Appendix A (Subpart ZZZZ), National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.

1. **Operating Limitations:**
   a. The permittee must meet the requirements of 40 CFR part 63 by meeting the requirements of 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under 40 CFR part 63. [40 CFR 63.6590(c)(1)]

   b. The permittee must operate and maintain this engine to achieve the required emission limitations over the entire life of the engine [40 CFR 60.4234].

   c. The permittee must operate the emergency stationary ICE according to the requirements in 40 CFR 60.4243(d)(1) through (3). In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (d)(1) through (3), is prohibited. If you do not operate the engine according to the requirements in paragraphs (d)(1) through (3), the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.. [40 CFR 60.4243(d)]

      1. There is no time limit on the use of emergency stationary ICE in emergency situations. [40 CFR 60.4243(d)(1)]

      2. The permittee may operate the emergency stationary ICE for the purpose specified below for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed in 40 CFR 60.4243(d)(3) counts as part of the 100 hours per calendar year allowed herein. [40 CFR 60.4243(d)(2)]

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

i. Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year. [40 CFR 60.4243(d)(2)(i)]

3. Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in 40 CFR 60.4243(d)(2). Except as provided in 40 CFR 60.4243(d)(3)(i), the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR 60.4243(d)(3)

4. The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the conditions in 40 CFR 60.4243(d)(3)(i)(A) through (E) are met [40 CFR 60.4243(d)(3)(i)]

d. If the SI ICE engine is equipped with an air-to fuel ratio controller (AFR), then the AFR controller must be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times. [40 CFR 60.4243(g)]

2. <u>Emission Limitations</u>:

The permittee shall comply with the emission limitations in 40 CFR 60, Subpart JJJJ, Table 1 [40 CFR 60.4233(e)].

Table 1 to Subpart JJJJ of Part 60

Engine type and fuel	Maximum engine power	Manufacture date	Emission standards					
			g/HP-hr			ppmvd at 15% O_2		
			NO_X	CO	VOC	NO_X	CO	VOC
Emergency	25<HP<130	After 1/1/2009	10	387	N/A	N/A	N/A	N/A

<u>Compliance Demonstration Method:</u>

The permittee shall demonstrate compliance by purchasing an engine certified according to procedures specified in 40 CFR 60, Subpart JJJJ, and operating and maintaining the engines and control devices according to the manufacturer's emission-related written instructions, and keeping records of conducted maintenance [40 CFR 60.4243(b)(1)].

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. Testing Requirements:

Testing shall be conducted at such times as may be required by the Cabinet in accordance with 401 KAR 50:045, Section 4.

4. Specific Monitoring Requirements:

a. If the engine does not meet the standards applicable to non-emergency engines, the permittee must install a non-resettable hour meter upon startup of your emergency engine [40 CFR 60.4237(c)].

b. The permittee through the non-resettable hour meter shall monitor the hours of operation of the emergency generators on an annual basis [401 KAR 52:030, Section 10].

c. The twelve-month rolling total VOC and HAPs emissions shall be monitored monthly. [401 KAR 52:030, Section 10]

5. Specific Recordkeeping Requirements:

a. The permittee must keep records of the following information [40 CFR 60.4245(a)]:

1. All notifications submitted to comply with this subpart and all documentation supporting any notification.
2. Maintenance conducted on the engine.
3. Documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 1048, 1054, and 1060, as applicable.

b. The permittee shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter [40 CFR 60.4245 (b)].

c. The permittee must document how many hours are spent for non-emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation [40 CFR 60.4245 (b)].

d. At the end of each month, VOC and HAPs emissions shall be calculated per Section D of this permit, and every month, a new 12-month rolling total for VOC and HAP emissions shall be calculated. [401 KAR 52:030, Section 10]

6. Specific Reporting Requirements:

The following information shall be reported semiannually: [401 KAR 52:030, Section 10]

1. The VOC, single HAP and combined HAPs emissions calculation for each month.
2. The rolling 12-month total of VOC, single HAP and combined HAPs emissions.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Emission Unit 05 32 Gallon Parts Washer

Description:
Cold Cleaner Parts Washer using Safety-Kleen solvent
Construction Date: Proposed January 2025

APPLICABLE REGULATIONS:
401 KAR 59:185, New solvent metal cleaning equipment.

STATE-ORIGIN REQUIREMENTS:
401 KAR 63:020, Potentially hazardous matter or toxic substances

1. **Operating Limitations:**
   a. The following activity is prohibited:
   The operation of a cold cleaner using a solvent with a vapor pressure that exceeds one (1.0) mm Hg (0.019 psi) measured at 20° C (68° F). [401 KAR 59:185, Section 4(3)(b)]

   Compliance Demonstration Method:
   See **5. Specific Recordkeeping Requirements** (d).

   b. Control Equipment: [401 KAR 59:185 Section 4(1)]

      1) The cleaner shall be equipped with a cover. If the solvent volatility is greater than fifteen (15) mm Hg measured at 100°F or if the solvent is agitated or heated, then the cover shall be designed so that it can be easily operated with one (1) hand.

      2) The cleaner shall be equipped with a drainage facility so that solvent that drains off parts removed from the cleaner will return to the cleaner. If the solvent volatility is greater than thirty-two (32) mm Hg measured at 100°F then the drainage facility shall be internal so that parts are enclosed under the cover while draining. The drainage facility may be external if the cabinet determines that an internal type cannot fit into the cleaning system.

      3) A permanent, conspicuous label, summarizing the operating requirements specified in 401 KAR 59:185 Section 4(2) shall be installed on or near the cleaner.

      4) If used, the solvent spray shall be a fluid stream, not a fine, atomized or shower type spray, and at a pressure that does not cause excessive splashing.

      5) If the solvent volatility is greater than thirty-two (32) mm Hg measured at 100°F or if the solvent is heated above 120°F, then one (1) of the following control devices shall be used: **1.** Freeboard height that gives a freeboard ratio greater than or equal to seven-tenths (0.7); **2.** Water cover, solvent shall be insoluble in and heavier than water; or **3.** Other systems of equivalent control, such as a refrigerated chiller or carbon adsorption.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

c. Operating Requirements: [401 KAR 59:185 Section 4(2)]

1) Waste shall not be disposed of or transferred to another party so that greater than twenty (20) percent by weight of the waste can evaporate into the atmosphere. Waste shall be stored only in covered containers,

2) Degreaser cover shall be closed if not handling parts in the cleaner, and

3) Cleaned parts shall be drained for a minimum of fifteen (15) seconds, or until dripping ceases, whichever is longer.

4) The flushing of parts with a flexible hose or other flushing device shall be performed only within the freeboard area of the cold cleaner. The solvent flow shall be directed downward to avoid turbulence at the air-solvent interface so as to prevent the solvent from splashing outside of the cold cleaner.

5) Work area fans shall be positioned so that air is not directed across the opening of the cold cleaner.

6) The use of an air-agitated solvent bath is prohibited. A pump-agitated solvent bath shall be operated so as to produce no observable splashing of the solvent against either the tank wall or the parts that are being cleaned.

7) The cold cleaner shall be free of all liquid leaks. Auxiliary cleaning equipment such as pumps, water separators, steam traps, or distillation units shall not have any visible leaks, tears, or cracks.

8) Spills that occur during solvent transfer shall be cleaned immediately. Wipe rags, or other absorbent equipment and materials, used to clean the spill shall be stored in a covered container for disposal unless storage of these items is prohibited by fire protection authorities.

2. <u>Emission Limitations</u>:

a. Persons responsible for a source from which hazardous matter or toxic substances may be emitted shall provide the utmost care and consideration, in the handling of these materials, to the potentially harmful effects of the emissions resulting from such activities. No owner or operator shall allow any affected facility to emit potentially hazardous matter or toxic substances in such quantities or duration as to be harmful to the health and welfare of humans, animals and plants. Evaluation of such facilities as to adequacy of controls and/or procedures and emission potential will be made on an individual basis by the cabinet. [401 KAR 63:020, Section 3]

<u>Compliance Demonstration Method</u>:

Based upon the emission rates of toxics and hazardous air pollutants determined by the Cabinet using information provided in the application and supplemental information submitted by the source, the Cabinet determines the affected facility to be in compliance with 401 KAR 63:020.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

b. See Section D for source-wide VOC and HAPs emission limitations.

3. Testing Requirements:
Pursuant to 401 KAR 59:005, Section 2(2) and 401 KAR 50:045, Section 4, performance testing using the Reference Methods specified in 401 KAR 50:015 shall be conducted as required by the Division.

4. Specific Monitoring Requirements:
The twelve-month rolling total VOC and HAPs emissions shall be monitored monthly. [401 KAR 52:030, Section 10]

5. Specific Recordkeeping Requirements:

a. Monthly records shall be kept of all solvents used containing VOC and HAPs including the product type, amount used and the weight percentages for VOC and all individual HAPs. [401 KAR 52:030, Section 10]

b. At the end of each month, VOC and HAPs emissions shall be calculated per Section D of this permit, and every month, a new 12-month rolling total for VOC and HAP emissions shall be calculated. [401 KAR 52:030, Section 10]

c. The permittee shall maintain records for a minimum of five (5) years that include the following information for each solvent purchase: [401 KAR 59:185, Section 4(4)(b)]

1) The name and address of the solvent supplier,
2) The date of the purchase,
3) The type of solvent, and
4) The vapor pressure of the solvent measured in mm Hg at 20° C (68° F).

6. Specific Reporting Requirements:
The following information shall be reported semiannually: [401 KAR 52:030, Section 10]

1) The VOC, single HAP and combined HAPs emissions calculation for each month.
2) The rolling 12-month total of VOC, single HAP and combined HAPs emissions.

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.

	Description	Generally Applicable Regulation
1.	Preheater (Direct-Fired) (2.97 MMBtu/hr capacity)	401 KAR 63:020
2.	Label and Decal Application	None

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, HAP and particulate matter emissions and opacity, 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. [To preclude 401 KAR 52:020]

   a. Source-wide emissions of Volatile Organic Compounds (VOC) shall not exceed 90 tons during any consecutive 12-month period. [401 KAR 52:030]

      Compliance Demonstration Method:

      $$\text{Monthly Coating VOC Emissions} = \sum_{i=1}^{n} M_i \rho_i$$

      Where;

      ρ = amount of VOC (lb/gal) in each solvent containing material less water and/or exempt solvent used during the month.
      i = individual solvent containing material (primer, cleaners, etc.)
      n = total number of solvent containing materials used
      M = gallons of solvent containing material "i" used

      Source-wide VOC emissions = Σ [VOC emissions from coating and cleaning operations] + Σ [VOC emissions from emergency generator] + Σ [VOC emissions from natural gas combustion units] + Σ [VOC emissions from other Insignificant Activities, if applicable]

   b. Source-wide emissions of Single Hazardous Air Pollutants (HAP) shall not exceed 9 tons during any consecutive 12-month period. [401 KAR 52:030]

      Compliance Demonstration Method:

      $$\text{Monthly Coating HAP Emissions; } HAP_j = \sum_{i=1}^{n} M_i \rho_i$$

      Where;

      ρ = amount of HAP_j in material "i", (lbs/gal).
      i = individual HAP containing material (primer, cleaners, etc.)
      j = individual HAP emission (i.e. xylene, etc.)
      n = total number of solvent containing materials used containing single HAP_j
      M = gallons of solvent containing material "i" used

      Source-wide HAP emissions = Σ [HAP emissions from coating and cleaning operations] + Σ [HAP emissions from Insignificant Activities, if applicable]

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

c. Source-wide emissions of Combined HAPs shall not exceed 22.5 tons during any consecutive 12-month period. [401 KAR 52:030]

Compliance Demonstration Method:

$$\text{Combined monthly HAP Emissions} = \sum_{j=1}^{m} HAP_j$$

Where;
j = individual HAP emissions (i.e. toluene, etc.)
m = total number of single HAP emissions

d. Compliance with annual limits is based on a rolling 12-month total. Emissions shall be calculated on a monthly basis and shall be added to previous eleven months emissions to get the total actual emissions for each consecutive 12-month period.

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].

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

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 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;

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

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 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, Florence Regional Office, 8020 Veterans Memorial Drive, Suite 110, Florence, KY 41042.

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].

SECTION G - GENERAL PROVISIONS (CONTINUED)

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)].

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.

SECTION G - GENERAL PROVISIONS (CONTINUED)

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.

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.

SECTION G - GENERAL PROVISIONS (CONTINUED)

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 01-05 in accordance with the terms and conditions of this permit (F-24-054).

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.

SECTION G - GENERAL PROVISIONS (CONTINUED)

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 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 [When] 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.

7. Emergency Provisions

   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

SECTION G - GENERAL PROVISIONS (CONTINUED)

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 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*.

9. Risk Management Provisions

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

N/A

SECTION I - COMPLIANCE SCHEDULE

N/A