AIR QUALITY PERMIT
Issued under 401 KAR 52:020

Permittee Name: GPM Manufacturing LLC
Mailing Address: P.O. Box 999
Lavergne, TN 37086

Source Name: GPM Manufacturing LLC
Mailing Address: 3100 Bowling Green Road
Franklin, KY 42134

Source Location: 3100 Bowling Green Road

Permit: V-22-007
Agency Interest: 171322
Activity: APE20220001
Review Type: Title V, Construction / Operating
Source ID: 21-213-00080

Regional Office: Bowling Green Regional Office
2642 Russellville Road
Bowling Green, KY 42101
(270) 746-7475

County: Simpson

Application Complete Date: February 17, 2022
Issuance Date:
Expiration Date:

X

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

SECTION                              ISSUANCE  PAGE
A. PERMIT AUTHORIZATION              Initial  1
B. EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS  Initial  2
C. INSIGNIFICANT ACTIVITIES          Initial  10
D. SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS  Initial  11
E. SOURCE CONTROL EQUIPMENT REQUIREMENTS  Initial  12
F. MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS  Initial  13
G. GENERAL PROVISIONS                Initial  16
H. ALTERNATE OPERATING SCENARIOS     Initial  23
I. COMPLIANCE SCHEDULE              Initial  23

<table>
<thead>
<tr>
<th>Permit</th>
<th>Permit Type</th>
<th>Activity#</th>
<th>Complete Date</th>
<th>Issuance Date</th>
<th>Summary of Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>V-22-007</td>
<td>Initial</td>
<td>APE20220001</td>
<td>2/17/2022</td>
<td></td>
<td>Initial Construction Permit</td>
</tr>
</tbody>
</table>

Version 1/26/2021
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 52:020, Title V Permits.

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

Emission Unit 01: Lamination Areas

Description:
Three (3) laminating areas for resin application and occasional gel coat application on plastic parts. For purposes of subpart WWWW, these lamination areas will process both small and large parts per the definition in the subpart.

Maximum throughput: 0.25 tons per hour resin per area; 0.75 tons per hour total
Construction Date: Proposed March 2022
Control Equipment: Panel Filters, 98% control

APPLICABLE REGULATIONS:
401 KAR 50:012, General application

401 KAR 59:010, New process operations

401 KAR 63:002, Section 2(4)(bbbb) 40 C.F.R. 63.5780 through 63.5935, Tables 1 through 15, and Appendix A (Subpart WWWW), National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production

1. Operating Limitations:
   a. The filters shall be operated and maintained in accordance with the manufacturer’s specification and shall be in place at all times when the affected facilities are in operation.
   
   b. The permittee shall not use cleaning solvents that contain HAP, except that styrene may be used as a cleaner in closed systems, and organic HAP containing cleaners may be used to clean cured resin from application equipment. Application equipment includes any equipment that directly contacts resin. [40 CFR 63.5805(c)]
   
   c. The permittee shall keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety. [40 CFR 63.5805(c)]

2. Emission Limitations:
   a. For emissions from a control device or stack 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 pounds/hour. [401 KAR 59:010, Section 3(2)]

   Compliance Demonstration Method:
   Compliance with the mass emission limit is assumed when the filter system controlling the emissions of particulate matter is operated properly in accordance with manufacturer’s specifications.
b. No person shall cause, suffer, allow or permit any continuous emission into the open air from a control device or stack associated with an affected facility which is equal to or greater than twenty (20) percent opacity. [401 KAR 59:010, Section 3(1)(a)]

**Compliance Demonstration Method:**
See 4. **Specific Monitoring Requirements** for opacity compliance demonstration.

c. See Section D for source-wide VOC emission limit.

**Limitations pursuant to 40 CFR Part 63 Subpart WWWW:**
d. The permittee shall meet the organic HAP emissions limits in Table 3 to Subpart WWWW of Part 63 as specified below: [40 CFR 63.5805(c)]

<table>
<thead>
<tr>
<th>Operation Type</th>
<th>Application Type</th>
<th>Organic HAP emissions limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Open molding - corrosion – resistant and/or high strength (CR/HS)</td>
<td>a. Mechanical resin application</td>
<td>113 lb/ton</td>
</tr>
<tr>
<td></td>
<td>c. Manual resin application</td>
<td>123 lb/ton</td>
</tr>
<tr>
<td>2. Open molding – non-CR/HS</td>
<td>a. Mechanical resin application</td>
<td>88 lb/ton</td>
</tr>
<tr>
<td></td>
<td>c. Manual resin application</td>
<td>87 lb/ton</td>
</tr>
<tr>
<td>3. Open molding – tooling</td>
<td>a. Mechanical resin application</td>
<td>254 lb/ton</td>
</tr>
<tr>
<td></td>
<td>b. Manual resin application</td>
<td>157 lb/ton</td>
</tr>
<tr>
<td></td>
<td>c. Manual resin application</td>
<td>238 lb/ton</td>
</tr>
<tr>
<td>5. Open molding – shrinkage controlled resins</td>
<td>a. Mechanical resin application</td>
<td>354 lb/ton</td>
</tr>
<tr>
<td></td>
<td>c. Manual resin application</td>
<td>180 lb/ton</td>
</tr>
<tr>
<td>6. Open molding – gel coat</td>
<td>a. Tooling gel coating</td>
<td>440 lb/ton</td>
</tr>
<tr>
<td></td>
<td>b. White/off white pigmented gel coating</td>
<td>267 lb/ton</td>
</tr>
<tr>
<td></td>
<td>c. All other pigmented gel coating</td>
<td>377 lb/ton</td>
</tr>
<tr>
<td></td>
<td>d. CR/HS or high performance gel coat</td>
<td>605 lb/ton</td>
</tr>
<tr>
<td></td>
<td>e. Fire retardant gel coat</td>
<td>854 lb/ton</td>
</tr>
<tr>
<td></td>
<td>f. Clear production gel coat</td>
<td>522 lb/ton</td>
</tr>
</tbody>
</table>

**Compliance Demonstration Method:**
The permittee shall demonstrate each month that each weighted average of the organic HAP emissions limits shown above are met by performing the following:

1. Each month calculate the weighted average organic HAP emissions limit for all open molding operations for the last 12-month period to determine the organic HAP emissions limit. Multiply the individual organic HAP emissions limits shown above for operation type by the amount of neat resin plus or neat gel coat plus used in the last 12 months for each operation type, sum these results, and then divide this sum by the total amount of neat resin plus and neat gel coat plus used in open molding over the last 12 months as shown in Eq. 1: [40 CFR 63.5810(c)(1)]
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

\[ \text{Eq. 1} \]

\[
\text{Weighted Average Emission Limit} = \frac{\sum_{i=1}^{n}(EL_i \times Material_i)}{\sum_{i=1}^{n}Material_i}
\]

\( EL_i \) = organic HAP emissions limit for operation type \( i \), lbs/ton from table above

\( Material_i \) = neat resin plus or neat gel coat plus used during the last 12-month period for operation type \( i \), tons

\( n \) = number of operations

2. Each month calculate the weighted average organic HAP emissions factor for open molding. Multiply the actual open molding operation organic HAP emissions factors calculated in Eq. 2 below and the amount of neat resin plus and neat gel coat plus used in each operation type, sum the results, and divide this sum by the total amount of neat resin plus and neat gel coat plus used in operations as shown in Eq. 3 below. [40 CFR 63.5810(c)(2)]

\[ \text{Eq. 2} \]

\[
\text{Average organic HAP EF} = \frac{\sum_{i=1}^{n}(Actual \text{ Process Stream } EF_i \times Material_i)}{\sum_{i=1}^{n}Material_i}
\]

\( Actual \text{ Process Stream } EF_i \) = actual organic HAP emissions factor for process stream \( i \), lbs/ton

\( Material_i \) = neat resin plus or neat gel coat plus used during the last 12 calendar months for process stream \( i \), tons

\( n \) = number of operations where an organic HAP emissions factor was calculated

\[ \text{Eq. 3} \]

\[
\text{Actual Weighted Average organic HAP EF} = \frac{\sum_{i=1}^{n}(Actual \text{ Operation } EF_i \times Material_i)}{\sum_{i=1}^{n}Material_i}
\]

\( Actual \text{ Operation } EF_i \) = actual organic HAP emissions factor for operation type \( i \), lbs/ton

\( Material_i \) = neat resin plus or neat gel coat plus used during the last 12 calendar months for operation type \( i \), tons

\( n \) = number of operations

3. Compare the values calculated in Eq. 1 and Eq. 3. If each 12-month rolling average organic HAP emissions factor is less than or equal to the corresponding 12-month rolling average organic HAP emissions limit, then compliance is demonstrated. [40 CFR 63.5810(c)(3)]
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. Emission factors may be determined by using Table 1 to subpart WWWW or by using information provided by the material manufacturer, such as manufacturer’s formulation data and MSDS, using the procedures in 40 CFR 63.5797(a-c). [40 CFR 63.5796 & 63.5797]

e. If HAP emissions exceed 100 tpy in any calendar year, the permittee may request a one-time exemption from the requirements of 40 CFR 63.5805(d) if the following can be demonstrated: [40 CFR 63.5805(e)]

   1. The exceedance of the threshold was due to circumstances that will not be repeated.

   2. The average annual organic HAP emissions from the potentially affected operations for the last 3 years were below 100 tpy.

   3. Projected organic HAP emissions for the next calendar year are below 100 tpy, based on projected resin and gel coat use and the HAP emission factors calculated according to the procedures in 40 CFR 63.5799.

f. If the permittee applies for an exemption in 40 CFR 63.5805(e) and subsequently exceeds the HAP emission thresholds specified in 40 CFR 63.5805(c) over the next 12-month period, the facility must comply with 40 CFR 63.5805(d) within 3 years from the time organic HAP emissions first exceeded the threshold. [40 CFR 63.5805(f)]

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

4. **Specific Monitoring Requirements:**
   a. The twelve-month rolling total VOC emissions shall be monitored monthly.

   b. Each calendar year total HAP emissions shall be monitored annually.

   c. The permittee shall monitor pressure drop across the filters once a day during the operation of the unit. Pressure drop must be within manufacturer’s specification.

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

Requirements pursuant to 40 CFR Part 63 Subpart WWWW:

e. The permittee shall collect and keep records of resin and gel coat use, organic HAP content, and operation where the resin is used. Resin use records may be based on purchase records if it can reasonably estimate how the resin is applied. The organic HAP content records may be based on MSDS or on resin specifications supplied by the resin supplier. [40 CFR 63.5895(c)]

f. The permittee shall continuously monitor the organic HAP emissions factor to ensure the value is less than or equal to the appropriate organic HAP emissions limit listed in Table 3 of subpart WWWW, on a 12-month rolling average. [40 CFR 63.5900(a)(2)]

5. Specific Recordkeeping Requirements:

a. At the end of each month VOC emissions shall be calculated and recorded.

b. A rolling 12 months summary for each month showing tons of VOC emitted shall be recorded.

c. All instances of noncompliance with terms and conditions of this permit shall be recorded.

d. The permittee shall maintain at the source, for a period of at least 2 years, records of all data and calculations used to determine VOC emissions from each affected facility.

e. The permittee shall maintain a log of the daily pressure drop readings, including the time, date, identity of the personnel making the record, and dates of filter replacements.

f. 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.

g. The permittee shall keep manufacturer’s specification of control equipment on site.

Requirements pursuant to 40 CFR Part 63 Subpart WWWW:

h. The permittee shall keep a copy of each notification and report that is submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that is submitted, according to the requirements in 40 CFR 63.10(b)(2)(xiv). [40 CFR 63.5915(a)(1)]

i. The permittee shall keep all data, assumptions, and calculations used to determine organic HAP emissions factors or average organic HAP contents for operations listed in table 3 to subpart WWWW. [40 CFR 63.5915(c)]

j. The permittee shall keep a certified statement that compliance with the work practice requirements in Table 4 to this subpart is met, as applicable. [40 CFR 63:5915(d)]
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

k. Required records shall be maintained as specified in (1) to (5) below: [40 CFR 63.5920]

1. The permittee shall maintain all applicable records in such a manner that they can be readily accessed and are suitable for inspection according to 40 CFR 63.10(b)(1).

2. As specified in 40 CFR 63.10(b)(1), the permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

3. The permittee shall keep each record onsite for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The permittee can keep the records offsite for the remaining 3 years.

4. The permittee may keep records in hard copy or computer readable form including, but not limited to, paper, microfilm, computer floppy disk, magnetic tape, or microfiche.

5. Any records required to be maintained by this part that are submitted electronically via the EPA’s CEDRI may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to a delegated air agency or the EPA as part of an on-site compliance evaluation.

6. Specific Reporting Requirements:

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) c. Copies of these records shall be submitted as a part of the semiannual reporting as required in Section F (5) & (6).

b. Any deviations from requirements of Section B shall be reported quarterly. If no such instances have occurred during a particular quarter, a report stating this shall be submitted to the Division semiannually by January 30th and July 30th of each year.

c. The following information shall be reported semiannually:

1. The VOC emissions calculation for each month.
2. The rolling 12-month total of VOC emissions for each month.

Requirements pursuant to 40 CFR Part 63 Subpart WWWW:

d. The permittee shall submit all of the notifications in Table 13 to subpart WWWW that apply by the dates specified in Table 13 to subpart WWWW. The notifications are described more fully in 40 CFR part 63, subpart A, referenced in Table 13 to this subpart. [40 CFR 63.5905(a)]
e. The permittee shall submit each report in Table 14 to subpart WWWW that applies. [40 CFR 63.5910(a)]

f. Unless the Administrator has approved a different schedule for submission of reports under 40 CFR 63.10(a), the permittee shall submit each report by the date specified in Table 14 to subpart WWWW and according to (1) to (5) below: [40 CFR 63.5910(b)]

1. The first compliance report must cover the period beginning on the compliance date that is specified for your affected source in 40 CFR 63.5800 and ending on June 30 or December 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for your source in 40 CFR 63.5800.

2. The first compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date follows the end of the first calendar half after the compliance date that is specified for your affected source in 40 CFR 63.5800.

3. Each subsequent compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

4. Each subsequent compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

5. For each affected source that is subject to permitting requirements pursuant to 40 CFR part 70 or 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6 (a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), the permittee may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the dates in the above paragraphs.

g. The compliance report shall contain the information according to (1) to (5) below: [40 CFR 63.5910(c)]

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 the report and beginning and ending dates of the reporting period.

4. If there are no deviations from any organic HAP emissions limitations (emissions limit and operating limit) that applies, and there are no deviations from the requirements for work practice standards in Table 4 to subpart WWWW, a statement that there were no deviations from the organic HAP emissions limitations or work practice standards during the reporting period.
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE
REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. If there were no periods during which the continuous monitoring system (CMS),
including a continuous emissions monitoring system (CEMS) and an operating
parameter monitoring system were out of control, as specified in 40 CFR 63.8(c)(7), a
statement that there were no periods during which the CMS was out of control during
the reporting period.

h. For each deviation from an organic HAP emissions limitation or operating limit and for
each deviation from the requirements for work practice standards that occurs at an
affected source where you are not using a CMS to comply with the organic HAP
emissions limitations or work practice standards in subpart WWWW, the compliance
report must contain the information in Section B(6)(g)(1-3) of this permit and the
following: [40 CFR 63.5910(d)]

1. The total operating time of each affected source during the reporting period.

2. Information on the number, duration, and cause of deviations (including unknown
cause, if applicable), as applicable, and the corrective action taken.

i. The permittee shall report if the 100 tpy organic HAP emissions threshold is exceeded.
Include with this report any request for an exemption under 40 CFR 63.5805(e). If an
exemption under 40 CFR 63.5805(e) is approved and then the permittee subsequently
exceeds the 100 tpy organic HAP emissions threshold, the permittee shall report this
exceedance as required in 40 CFR 63.5805(f). [40 CFR 63.5910(f)]

j. See 40 CFR 63.5912 for how to submit reports required as part of subpart WWWW.
SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020, 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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Generally Applicable Regulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Storage Vessel; 10,567 Gals; &gt; 1.5 PSIA VP; w/Submerged Fill</td>
<td>401 KAR 63:020</td>
</tr>
<tr>
<td>2. Machinery lubricants and waxes, including oils, etc.</td>
<td>401 KAR 63:020</td>
</tr>
<tr>
<td>3. Indirect heat exchangers or water heaters rated 1 million BTU/hr or less, etc.</td>
<td>None</td>
</tr>
<tr>
<td>4. Gas-fired space heaters or ovens rated at less than 1 million BTU/hr</td>
<td>None</td>
</tr>
<tr>
<td>5. Equipment used for compression, molding and injection of plastics</td>
<td>None</td>
</tr>
<tr>
<td>6. Space heaters &gt;6.5 MMBtu/hr</td>
<td>None</td>
</tr>
</tbody>
</table>
SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, 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 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. VOC emissions shall not exceed 150 tons during any consecutive twelve (12) month period. Monthly records to demonstrate compliance with this limitation shall be maintained and total VOC emissions shall be reported on a semi-annual basis. VOC emissions shall be calculated and recorded on a monthly basis. These records shall be summarized in tons per month of VOC emissions; subsequently, tons of VOC emissions per rolling 12-month period shall be recorded. In addition, these records shall demonstrate compliance with the VOC emission limitations listed herein for the conditional major limitations. These records shall be maintained on site for a period of five years from the date the data was collected and shall be provided to the Division upon request.

\[
\text{VOC from lamination process (lbs/month)} = \sum_{i=1}^{n} [Q_i \cdot d_i]
\]

\[
\text{VOC emitted (tons/month)} = \sum \{[\text{VOC emissions from coating usage}] + [\text{VOC emissions from insignificant activities, if applicable}] + [\text{VOC emissions from combustion}]\}/2000
\]

Where
- \(Q_i\) = Amount of Coating/resin/etc. (n) used per month (gallons)
- \(d_i\) = Amount of VOC in Coating/resin/etc. (n) in pounds per gallon
- \(i\) = Individual Coating material
- \(n\) = total number of individual coating materials
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 Title V Permits incorporated by reference in 401 KAR 52:020, 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 [Sections 1b-IV-2 and 1a-8 of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, Section 26].

3. In accordance with the requirements of 401 KAR 52:020, Section 3(1)h, 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 Title V Permits incorporated by reference in 401 KAR 52:020, 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 52:020, Section 23. 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 Title V Permits incorporated by reference in 401 KAR 52:020, 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 52:020, Title V permits, 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 and the U.S. EPA in accordance with the following requirements:
   a. Identification of the 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 following addresses:

<table>
<thead>
<tr>
<th>Division for Air Quality</th>
<th>U.S. EPA Region 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bowling Regional Office</td>
<td>Air Enforcement Branch</td>
</tr>
<tr>
<td>2642 Russellville Road</td>
<td>Atlanta Federal Center</td>
</tr>
<tr>
<td>Bowling Green, KY 42101</td>
<td>61 Forsyth St. SW</td>
</tr>
<tr>
<td></td>
<td>Atlanta, GA 30303-8960</td>
</tr>
</tbody>
</table>

10. In accordance with 401 KAR 52:020, Section 22, 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.
SECTION G - GENERAL PROVISIONS

1. General Compliance Requirements

a. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020, 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 termination, revocation and reissuance, revision or denial of a permit [Section 1a-3 of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, 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-6 of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, Section 26].

c. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. 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 52:020, 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;
   (4) New requirements become applicable to a source subject to the Acid Rain Program.

   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- 7 and 8 of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, Section 26].

e. Emission units described in this permit shall demonstrate compliance with applicable requirements if requested by the Division [401 KAR 52:020, 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 52:020, 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-14 of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, 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-4 of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, 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-15 of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, 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-10 of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, 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 52:020, Section 11(3) b].

l. This permit does not convey property rights or exclusive privileges [Section 1a-9 of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, 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 [401 KAR 52:020, Section 11(3) d.].

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 [401 KAR 52:020, Section 11(3) a.].
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 52:020, 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 52:020, Section 12].

   b. The authority to operate granted 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 52:020, Section 8(2)].

3. Permit Revisions

   a. A minor permit revision procedure 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 52:020, 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 unit 01 in accordance with the terms and conditions of this permit (V-22-007).

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 52:020, 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. 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 52:020, 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.

f. Terms and conditions in this permit established pursuant to the construction authority of 401 KAR 51:017 or 401 KAR 51:052 shall not expire.
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 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

a. 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.

b. The permittee shall comply with all applicable requirements and conditions of the Acid Rain Permit and the Phase II permit application (including the Phase II NOx compliance plan and averaging plan, if applicable) incorporated into the Title V permit issued for this source. The source shall also comply with all requirements of any revised or future acid rain permit(s) issued to this source.


a. Pursuant to 401 KAR 52:020, Section 24(1), an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or 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;
SECTION G - GENERAL PROVISIONS (CONTINUED)

(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) Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.1-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.

(5) This requirement does not relieve the source of other local, state or federal notification requirements.

b. Emergency conditions listed in General Condition G.7.a above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:020, Section 24(3)].

c. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:020, Section 24(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 82.155.
(5) Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156 and 40 CFR 82.157.
(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

N/A

SECTION I - COMPLIANCE SCHEDULE

N/A