AIR QUALITY PERMIT
Issued under 401 KAR 52:030

Permittee Name: Curtis-Maruyasu America, Inc.
Mailing Address: 665 Metts Drive, Lebanon, KY 40033

Source Name: Curtis-Maruyasu America, Inc.
Mailing Address: 665 Metts Drive
Lebanon, KY 40033

Source Location: 665 Metts Drive

Permit ID: F-22-006
Agency Interest #: 2896
Activity ID: APE20220001
Review Type: Conditional Major, Operating
Source ID: 21-155-00021

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

County: Marion

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

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

Version 4/1/2022
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<td>Renewal</td>
<td>APE20220001</td>
<td>2/24/2022</td>
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<td>Renewal Permit</td>
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</table>

*Version 9/4/2019*
SECTION A - PERMIT AUTHORIZATION

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

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

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Cabinet or any other federal, state, or local agency.
## SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

<table>
<thead>
<tr>
<th>Emission Point</th>
<th>Description</th>
<th>Capacity</th>
<th>Construction</th>
<th>Control Device</th>
<th>Applicable Regulation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>10</strong></td>
<td>Main Line A, DWT Line Primer Dip Booth and Curing Oven</td>
<td>Primer Curing Oven</td>
<td>500000 BTU/HR Natural Gas</td>
<td>December 1996</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td>KP-Colour # 8452-Primer NC-3</td>
<td>4.8 lb/hr</td>
<td>December 1996</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td>KP-Colour # 8452-Thinner</td>
<td>5.8 lb/hr</td>
<td>December 1996</td>
<td>None</td>
</tr>
<tr>
<td><strong>11</strong></td>
<td>DWT Line Fluoride Coating and Baking</td>
<td>Conversion Coating</td>
<td>0.0154 gal/hr</td>
<td>December 1996</td>
<td>None</td>
</tr>
<tr>
<td><strong>28</strong></td>
<td>Main Line C, Nylon-Coated Tubing Line</td>
<td>Chromate Conversion Coating</td>
<td>0.0154 gal/hr</td>
<td>April 2000</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Kinocoat 38 Z216 Primer</td>
<td>1.2 lb/hr</td>
<td>April 2000</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DP #45 Reducer Thinner</td>
<td>1.3 lb/hr</td>
<td>April 2000</td>
<td>None</td>
</tr>
<tr>
<td><strong>30</strong></td>
<td>Main Line B, Single-Walled Tube</td>
<td>KP-Colour # 8452-Primer NC-3</td>
<td>4.2 lb/hr</td>
<td>December 2006</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td>KP-Colour # 8452-Thinner</td>
<td>7.4 lb/hr</td>
<td>December 2006</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fuccaron # 3000 color</td>
<td>23.3 lbs/hr</td>
<td>December 1996</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Isophorone Thinner</td>
<td>3.1 lbs/hr</td>
<td>December 1996</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Curing Oven</td>
<td>100000 BTU/HR Natural Gas</td>
<td>December 2006</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Curing Oven</td>
<td>100000 BTU/HR Natural Gas</td>
<td>December 2006</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Curing Oven</td>
<td>100000 BTU/HR Natural Gas</td>
<td>December 2006</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chromate Conversion Coating</td>
<td>0.0154 gal/hr</td>
<td>December 2006</td>
<td>None</td>
</tr>
<tr>
<td><strong>41</strong></td>
<td>Electroless Nickel Plating</td>
<td>Nickel plating</td>
<td>840 units/hr</td>
<td>November 2014</td>
<td>Model HF-101 Series Scrubber</td>
</tr>
<tr>
<td><strong>42</strong></td>
<td>ZnNi-2 Electroplating</td>
<td>ZnNi-2 plating</td>
<td>560 units/hr</td>
<td>December 2014</td>
<td>Model HF-101 Series Scrubber</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Chromate Conversion Coating</td>
<td>0.0154 gal/hr</td>
<td>December 2014</td>
<td>None</td>
</tr>
</tbody>
</table>
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Control Equipment:
One (1) Vertical Countercurrent Packed-Bed Scrubber with mist eliminator; Scrubbing liquid is water; 95% control efficiency.

Two (2) Model HF-101 Series Scrubber with mist eliminators; Scrubbing liquid is water; 95% control efficiency (EU 41 and EU 42)

APPLICABLE REGULATIONS:

401 KAR 59:010, New process operations

401 KAR 63:020, Potentially hazardous matter or toxic substances

401 KAR 63:002, Section 2(4)(uuuuu) 40 C.F.R. 63.11504 to 63.11512, Table 1 (Subpart WWWW), National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Plating and Polishing Operations

For Subpart WWWW Requirements: See Group Requirements.

1. Operating Limitations:
   All control equipment shall be in place and operated at all times of operation.

2. Emission Limitations:
   a. See Section D for the source-wide emission limitations.

   b. Standard for Particulate Matter (401 KAR 59:010 Section 3(2)):
      Emission of particulate matter from a control device or stack of any affected facility up to a process rate of 1000 lbs/hr shall not exceed 2.34 lbs/hr. For processing rates greater than 1000 lbs/hr up to 60,000 lbs/hr, particulate emissions shall not exceed the emission rate calculated by the following equation:

      \[ E = 3.59P^{0.62} \]

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

   Compliance Demonstration Method:
   The source is considered to be in compliance when the scrubber and emission points are operating and properly maintained according to the manufacturer’s recommendations. Refer to Subsection 4. Monitoring Requirements.

   c. Standard for Opacity (401 KAR 59:010 Section (3)):
      The permittee shall not cause, suffer, allow, or permit any continuous emission into the open air from a control device or stack associated with any affected facility (s) which is equal to or greater than twenty (20) percent opacity.
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Compliance Demonstration Method:
Refer to Subsection 4. Monitoring Requirements.

d. 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.

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

4. Specific Monitoring Requirements:

a. Monthly Volatile Organic Compounds (VOC) and Hazardous Air Pollutants (HAPs) emissions shall be monitored.

b. The permittee shall monitor the pressure differential in inches water column measured across the inlet and outlet ducts of the scrubber using a pressure differential measuring instrument daily.

c. The permittee shall monitor the scrubber liquid flow rate into the scrubber in gallons per minute or cubic feet per minute measured at the scrubber liquid inlet using a liquid flow meter or other device for liquid flow daily.

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).

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.

b. The permittee shall keep records of all maintenance activities performed on the control equipment.

c. The permittee shall keep calendar month records of the usage of each coating, solvent, thinner diluent, and clean up solvent or any other VOC/ HAP containing material.

d. The permittee shall keep monthly records of the usage of natural gas and kerosene or any other fuel burned.
e. At the beginning of each month, the preceding month’s VOC and HAPs emissions shall be calculated, and every month, a new 12-month rolling total for VOC and HAPs emissions shall be calculated.

f. The records listed above, as well as purchase orders and invoices for all VOC/HAP containing materials, shall be made available for inspection upon request by duly authorized representatives of the Division for Air Quality.

g. The permittee shall maintain a log of daily scrubber pressure differential readings. On days when no plating takes place, “did not operate” shall be entered in the log.

h. The permittee shall maintain a log of daily scrubber liquid flow rate readings. On days when no plating takes place, “did not operate” shall be entered in the log.

i. The permittee shall maintain records of calibrations of scrubber pressure differential and liquid flow rate measuring instruments and devices.

j. The permittee shall maintain records of manufacturer recommended operating parameters for the scrubber.

6. **Specific Reporting Requirements:**
   Reporting of the following shall be done on a semi-annual-basis:
   a. Any deviations from requirements of section B shall be reported;

   b. The VOC emissions for each month in the semi-annual period shall be reported;

   c. The individual and combined HAPs emissions for each month in the semi-annual period shall be reported;

   d. The rolling 12 month total for VOC emissions during each month in the semi-annual period shall be reported;

   e. The rolling 12 month total of individual and combined HAPs emissions for each month in the semi-annual period shall be reported;

   f. Records of visible emissions from the stacks during the reporting period whenever corrective action is necessary, including date and time and a description of the actions taken and/or records of any Reference Method 9 opacity observations.

7. **Specific Control Equipment Operating Conditions:**
   a. The permittee shall calibrate, maintain and operate instruments and devices used to monitor the scrubber pressure differential and liquid flow rate using procedures that take into account manufacturer’s recommendations no less than yearly.

   b. The permittee shall maintain the pressure drop value and liquid flow rate to the scrubber within the range recommended by the manufacturer.
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Group Requirements:

<table>
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<td>40 CFR 63, Subpart WWWW</td>
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<td>28</td>
<td>Nylon-Coated Tubing Line</td>
<td>Chromate Conversion Coating</td>
<td>0.0154 gal/hr</td>
<td>April 2000</td>
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<td></td>
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<td></td>
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<td>401 KAR 59:010 40 CFR 63, Subpart WWWW</td>
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APPLICABLE REGULATIONS:

401 KAR 63:002, Section 2(4)(uuuuu) 40 C.F.R. 63.11504 to 63.11512, Table 1 (Subpart WWWW), National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Plating and Polishing Operations

1. Operating Limitations:
   a. Nickel and Zinc-Nickel batch electrolytic process tanks shall be covered, as defined in 40 CFR 63.11511, over all of the effective surface area of the tank for at least 95 percent of the electrolytic process operating time. [40 CFR 63.11507 (a)(3)(i) and 63.11508 (d)(6)(i)].

   b. The permittee shall implement the applicable management practices during all times that the affected tank or process is in operation. Refer to 4. Specific Monitoring Requirements. [40 CFR 63.11508 (d)(8)(i)]

2. Emission Limitations:

None
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. **Testing Requirements:**
   
   None

4. **Specific Monitoring Requirements:**
   
   The permittee shall implement the applicable management practices in paragraphs (4)(a) through (l) of this section. [40 CFR 63.11507 (g)(1) through (12)]
   
   a. Minimize bath agitation when removing any parts processed in the tank, as practicable except when necessary to meet part quality requirements.
   
   b. Maximize the draining of bath solution back into the tank, as practicable, by extending drip time when removing parts from the tank; using drain boards (also known as drip shields); or withdrawing parts slowly from the tank, as practicable.
   
   c. Optimize the design of barrels, racks, and parts to minimize dragout of bath solution (such as by using slotted barrels and tilted racks, or by designing parts with flow-through holes to allow the tank solution to drip back into the tank), as practicable.
   
   d. Use tank covers, if already owned and available at the facility, whenever practicable.
   
   e. Minimize or reduce heating of process tanks, as practicable (e.g., when doing so would not interrupt production or adversely affect part quality).
   
   f. Perform regular repair, maintenance, and preventive maintenance of racks, barrels, and other equipment associated with affected sources, as practicable.
   
   g. Minimize bath contamination, such as through the prevention or quick recovery of dropped parts, use of distilled/de-ionized water, water filtration, pre-cleaning of parts to be plated, and thorough rinsing of pre-treated parts to be plated, as practicable.
   
   h. Maintain quality control of chemicals, and chemical and other bath ingredient concentrations in the tanks, as practicable.
   
   i. Perform general good housekeeping, such as regular sweeping or vacuuming, if needed, and periodic washdowns, as practicable.
   
   j. Minimize spills and overflow of tanks, as practicable.
   
   k. Use squeegee rolls in continuous or reel-to-reel plating tanks, as practicable.
   
   l. Perform regular inspections to identify leaks and other opportunities for pollution prevention.

5. **Specific Recordkeeping Requirements:**
   
   a. The permittee shall record the times that the tank is operated and the times that the tank is covered on a daily basis. [40 CFR 63.11508 (d)(6)(ii)]
   
   b. The permittee shall keep the records specified in paragraphs (b)(1) through (3) of this section. [40 CFR 63.11509 (e)(1) through (3)]

   (1) A copy of any Initial Notification and Notification of Compliance Status that you submitted and all documentation supporting those notifications.
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

(2) The records specified in 40 CFR 63.10(b)(2)(i) through (iii) and (xiv) of the General Provisions of this part.

(3) The records required to show continuous compliance with each management practice and equipment standard.

c. The permittee shall keep each record for a minimum of 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. 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) of the General Provisions to part 63. You may keep the records offsite for the remaining 3 years. [40 CFR 63.11509 (f)]

6. Specific Reporting Requirements:

a. The permittee shall prepare an annual certification of compliance report. These reports do not need to be submitted unless a deviation from the requirements of this subpart has occurred during the reporting year, in which case, the annual compliance report must be submitted along with the deviation report. [40 CFR 63.11509 (c)]

b. Each annual compliance report must be prepared no later than January 31 of the year immediately following the reporting period and kept in a readily-accessible location for inspector review. If a deviation has occurred during the year, each annual compliance report must be submitted along with the deviation report, and postmarked or delivered no later than January 31 of the year immediately following the reporting period. [40 CFR 63.11509 (c)(7)]

c. Any deviations from the compliance requirements occurred during the year, the permittee shall report the deviations, along with the corrective action taken, and submit this report to the delegated authority. [40 CFR 63.11509 (d)]

d. The permittee shall state in the annual certification that the source has operated the tank with the cover in place at least 95 percent of the electrolytic process time. [40 CFR 63.11509 (c)(4)]

e. The permittee shall state in the annual certification that the source has implemented the applicable management practices. Refer to 4. Specific Monitoring Requirements. [40 CFR 63.11509 (c)(6)]

7. Specific Control Equipment Operating Conditions:

None
EU 43 Powertrain Division—York Shipley Boiler  
**Description:** Rated Capacity: 5.234 mmBTU/hr  
**Fuel:** Natural Gas  
**Date installed:** December 2014

**APPLICABLE REGULATIONS:**  
401 KAR 59:015, New indirect heat exchanger

1. **Operating Limitations:** None

2. **Emission Limitations:**  
   a. Particulate emissions shall not exceed 0.56 lb/mmBTU  
   b. Sulfur dioxide emissions shall not exceed 3.0 lb/mmBTU  
   c. Visible emissions shall not exceed 20% opacity

   **Compliance Demonstration:**  
The unit shall be deemed to be in compliance when the unit is burning natural gas.

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

4. **Specific Monitoring Requirements:** None

5. **Specific Recordkeeping Requirements:**  
The permittee shall keep monthly records of the volume of natural gas burned.

6. **Specific Reporting Requirements:** None

7. **Specific Control Equipment Operating Conditions:** None

8. **Alternate Operating Scenarios:** None
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.

<table>
<thead>
<tr>
<th>Description</th>
<th>Generally Applicable Regulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 6 Injection Molding Machines (Chassis Division)</td>
<td>None</td>
</tr>
<tr>
<td>Delrin Acetel Resin 500P, 500T Natural-20,000lbs/yr, 500 P Grey-34,000 lbs/yr, 500T Black-180,000 lbs/yr</td>
<td></td>
</tr>
<tr>
<td>2. Chassis; Auto laser dust collectors (x3)</td>
<td>401 KAR 59:010</td>
</tr>
<tr>
<td>3. Powertrain wastewater pretreatment</td>
<td>None</td>
</tr>
<tr>
<td>4. Powertrain; laboratory fume hood</td>
<td>None</td>
</tr>
<tr>
<td>5. Powertrain; ZnNi Plating Lines (x2)</td>
<td>None</td>
</tr>
<tr>
<td>6. Powertrain; ZnNi Plating Lines (x2) (HCl)</td>
<td>401 KAR 63:020</td>
</tr>
<tr>
<td>7. Powertrain; Electroless Nickel Plating</td>
<td>None</td>
</tr>
<tr>
<td>8. Powertrain; Vacuum brazing furnaces (x3)</td>
<td>None</td>
</tr>
<tr>
<td>9. Powertrain; Trim saw (x2)</td>
<td>401 KAR 59:010</td>
</tr>
<tr>
<td>10. Powertrain; Hotsy aqueous parts washers (x8)</td>
<td>None</td>
</tr>
<tr>
<td>11. Powertrain; 300N aqueous parts washer</td>
<td>None</td>
</tr>
<tr>
<td>12. Powertrain; Fuel Rail aqueous parts washer</td>
<td>None</td>
</tr>
<tr>
<td>13. Powertrain; aqueous parts washer</td>
<td>None</td>
</tr>
<tr>
<td>14. Powertrain; paint/ink marking</td>
<td>None</td>
</tr>
<tr>
<td>15. Powertrain; Mineral spirits flush machine</td>
<td>None</td>
</tr>
<tr>
<td>16. Powertrain; Gas fired boiler</td>
<td>None</td>
</tr>
<tr>
<td>17. Tube Mill; Zn Electroplating (3 lines)</td>
<td>None</td>
</tr>
<tr>
<td>18. Tube Mill; wastewater pretreatment</td>
<td>None</td>
</tr>
<tr>
<td>19. Tube Mill; laboratory fume hood</td>
<td>None</td>
</tr>
<tr>
<td>20. Tube Mill; 4.76 mm &amp; 6.35 mm copper-coated tube Roll forming mills (x3 lines)</td>
<td>None</td>
</tr>
<tr>
<td>21. Tube Mill; Single wall tube roll forming mills (x2)</td>
<td>None</td>
</tr>
<tr>
<td>22. Tube Final Cut &amp; Deburr Machines</td>
<td>401 KAR 59:010</td>
</tr>
<tr>
<td>(DWT, Nylon and SWT lines)</td>
<td></td>
</tr>
<tr>
<td>23. Tube Ink Marking</td>
<td>None</td>
</tr>
<tr>
<td>SCP-700 FD, SCP-700C,Cleaner JAM-2017 UV Ink</td>
<td></td>
</tr>
<tr>
<td>24. Tube Mill; high speed induction braze (x2 lines)</td>
<td>None</td>
</tr>
<tr>
<td>25. Tube Mill; induction anneal</td>
<td>401 KAR 59:010</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 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, and HAPs 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.

   a. VOC emissions shall not exceed 90 tons during any consecutive twelve (12) month period. Total VOC emissions shall include emissions from insignificant activities.

      Compliance Demonstration Method:
      The following equation may be used to calculate VOC emission:

      Monthly VOC emission = \[\sum\] [Monthly usage of coatings or any other VOC containing material in pounds or gallons per month] x [VOC fraction] x [1-Control Efficiency] x [appropriate conversion factor (if usage is in gallons) for gallons to pounds for coating or any other VOC containing material used].

      Source-wide VOC emissions = \[\sum\] [VOC emissions from coating processes] + \[\sum\] [VOC emissions from Insignificant Activities]

      Each month the VOC emissions are added to the previous eleven (11) monthly totals to provide a total of actual emissions for each consecutive twelve (12) month period.

   b. Source wide emissions of any individual HAP shall not exceed nine (9) tons during any consecutive twelve (12) month period.

      Compliance Demonstration Method:
      The following equation may be used to calculate the Single HAP emissions:

      Monthly HAP emission = \[\sum\] [Monthly usage of coatings or any other HAP containing material in pounds or gallons per month] x [HAP fraction] x [1-Control Efficiency] x [appropriate conversion factor (if usage is in gallons) for gallons to pounds for coating or any other HAP containing material used].

      Source-wide HAPs emissions = \[\sum\] [HAP emissions from coating processes] + \[\sum\] [HAP emissions from Insignificant Activities]
SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

Each month the HAP emissions are added to the previous eleven (11) monthly totals to provide a total of actual emissions for each consecutive twelve (12) month period.

c. Source wide emissions of combined HAP shall not exceed twenty-two and one-half (22.5) tons per year

**Compliance Demonstration Method:**
The following equation may be used to calculate the Combined HAPs emissions:

\[
\text{Combined HAPs Emissions} = \sum_{j=1}^{m} HAP_j
\]

Where: \( j = \) individual HAP emission (i.e. chromium, nickel, ethylbenzene, isophorone, xylene, etc.)
\( m = \) total number of single HAP emissions

Each month the total HAPs emissions are added to the previous eleven (11) monthly totals to provide a total of actual emissions for each consecutive twelve (12) month period.

d. The permittee shall report VOC and HAPs emissions as part of the semiannual reporting as required in Section F (5) & (6).
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;
   d. The method used for determining the compliance status for the source, currently and over the reporting period.
SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

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, Bowling Green Regional Office, 2642 Russellville Road, Bowling Green, KY 42101.

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

11. The Cabinet may authorize the temporary use of an emission unit to replace a similar unit that is taken off-line for maintenance, if the following conditions are met:
   a. The owner or operator shall submit to the Cabinet, at least ten (10) days in advance of replacing a unit, the appropriate Forms DEP7007AI to DD that show:
      (1) The size and location of both the original and replacement units; and
      (2) Any resulting change in emissions;
   b. The potential to emit (PTE) of the replacement unit shall not exceed that of the original unit by more than twenty-five (25) percent of a major source threshold, and the emissions from the unit shall not cause the source to exceed the emissions allowable under the permit;
   c. The PTE of the replacement unit or the resulting PTE of the source shall not subject the source to a new applicable requirement;
   d. The replacement unit shall comply with all applicable requirements; and
   e. The source shall notify Regional office of all shutdowns and start-ups.
   f. Within six (6) months after installing the replacement unit, the owner or operator shall:
      (1) Re-install the original unit and remove or dismantle the replacement unit; or
      (2) Submit an application to permit the replacement unit as a permanent change.
SECTION G - GENERAL PROVISIONS

1. General Compliance Requirements

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

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

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

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

e. Emission units described in this permit shall demonstrate compliance with applicable requirements if requested by the Division [401 KAR 52:030, Section 3(1)(c)].
f. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the permitting authority [401 KAR 52:030, Section 7(1)].

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

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

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

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

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

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

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

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

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

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

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

2. Permit Expiration and Reapplication Requirements

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

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

3. Permit Revisions

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

b. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

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

No construction authorized by this permit (F-22-006).
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.


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;
SECTION G - GENERAL PROVISIONS (CONTINUED)

(2) The permitted facility was at the time being properly operated;
(3) During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and,
(4) The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two (2) working days of the time when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and the corrective actions taken.
(5) Notification of the Division does not relieve the source of any other local, state or federal notification requirements.

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


SECTION G - GENERAL PROVISIONS (CONTINUED)


   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