AIR QUALITY PERMIT
Issued under 401 KAR 52:020

Permittee Name: YKK (USA) Inc., S&B Products
Mailing Address: 1090 Industry Road, Lawrenceburg, KY 40342

Source Name: YKK (USA) Inc., S&B Products
Mailing Address: 1090 Industry Road
Lawrenceburg, KY 40342

Source Location: Same as Above

Permit: V-22-010
Agency Interest: 42
Activity: APE20220001
Review Type: Title V, Operating
Source ID: 21-005-00006

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

County: Anderson

Application Complete Date: April 4, 2022
Issuance Date: 
Expiration Date: 

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

Version 4/1/2022
TABLE OF CONTENTS

SECTION            ISSUANCE        PAGE
A. PERMIT AUTHORIZATION        Renewal        1
B. EMISSION POINTS, EMISSION UNITS, APPLICABLE
   REGULATIONS, AND OPERATING CONDITIONS     Renewal        2
C. INSIGNIFICANT ACTIVITIES    Renewal        26
D. SOURCE EMISSION LIMITATIONS AND TESTING
   REQUIREMENTS                       Renewal        27
E. SOURCE CONTROL EQUIPMENT    Renewal        28
   REQUIREMENTS
F. MONITORING, RECORDKEEPING, AND REPORTING
   REQUIREMENTS                       Renewal        29
G. GENERAL PROVISIONS          Renewal        32
H. ALTERNATE OPERATING SCENARIOS Renewal        38
I. COMPLIANCE SCHEDULE         Renewal        42

<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-22-010</td>
<td>Renewal</td>
<td>APE20220001</td>
<td>4/4/2022</td>
<td></td>
<td>Renewal Permit</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>ID</th>
<th>Description</th>
<th>Date Installed</th>
<th>Applicable Regulation(s)</th>
</tr>
</thead>
</table>

**APPLICABLE REGULATIONS:**

401 KAR 59:010, *New process operations*

401 KAR 61:020, *Existing process operations*
### SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

401 KAR 63:002 Section 2(4)(rrr), 40 C.F.R. 63.3880 through 63.3981, Tables 1 through 5, and Appendix A (Subpart MMMM), National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products

1. **Operating Limitations:**
   a. The usage rates of materials used in all affected facilities shall be limited so as not to exceed the emission limitations in Section B.2.

   b. Particulate matter control devices shall be in place and operated according to the manufacturer's specifications and recommendations at any time EP11, EP21, EP24, and EP29 is in use.

40 CFR Part 63 Subpart MMMM

   c. For any coating operation(s) on which the permittee uses the compliant material option or the emission rate without add-on controls option, the permittee not required to meet any operating limits [40 CFR 63.3892(a)]. For any coating operation(s) on which the permittee use the compliant material option or the emission rate with add-on controls option, the permittee is not required to meet any work practice standards [40 CFR 63.3893(a)].

2. **Emission Limitations:**
   **401 KAR 59:010 and 61:020 Requirements**
   a. The following emission limitations for particulate matter are pursuant to 401 KAR 61:020, Section 3 (2) and 401 KAR 59:010, Section 3 (2):

<table>
<thead>
<tr>
<th>EMISSION POINT</th>
<th>AFFECTED FACILITY</th>
<th>MAXIMUM CAPACITY (ton/hr)</th>
<th>MAXIMUM ALLOWABLE EMISSION RATE (lb/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP01 (01)</td>
<td>Eller Werk Tumble Machine</td>
<td></td>
<td>2.34</td>
</tr>
<tr>
<td>EP03 (03)</td>
<td>Dip/Spin Lacquer Machine</td>
<td></td>
<td>2.58</td>
</tr>
<tr>
<td>EP11 (11)</td>
<td>Electrostatic Spray Booth</td>
<td></td>
<td>2.34</td>
</tr>
<tr>
<td>EP14 (14)</td>
<td>Spring Tool Dip/Spin Machine</td>
<td></td>
<td>2.34</td>
</tr>
<tr>
<td>EP17 (17)</td>
<td>Barrett Dip/Spin Machine</td>
<td></td>
<td>2.34</td>
</tr>
<tr>
<td>EP19b</td>
<td>2365 Tumble Spray Machine</td>
<td>&lt; 0.5</td>
<td>2.34</td>
</tr>
<tr>
<td>EP19c</td>
<td>3285 Tumble Spray Machine</td>
<td></td>
<td>2.34</td>
</tr>
<tr>
<td>EP20 (20)</td>
<td>Spring Tool Dip/Spin Machine</td>
<td></td>
<td>2.34</td>
</tr>
<tr>
<td>EP21 (21)</td>
<td>2 Barrel Paint Machine</td>
<td></td>
<td>2.34</td>
</tr>
<tr>
<td>EP24 (24)</td>
<td>Hand Spray Booth</td>
<td></td>
<td>2.34</td>
</tr>
<tr>
<td>EP29 (29)</td>
<td>12 Barrel Paint Machine</td>
<td></td>
<td>2.34</td>
</tr>
</tbody>
</table>
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

401 KAR 61:020:
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 2.58 lbs/hr.

401 KAR 59:010:
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.

Compliance Demonstration Method:
The source is assumed to be in compliance when the control devices are operating and properly maintained. See subsection 4. Specific Monitoring Requirements.

b. The opacity of visible emissions from each stack from EP03 shall not equal or exceed 40 percent [401 KAR 61:020, Section 3 (1)]. The opacity of visible emissions from each stack of all other equipment shall not equal or exceed 20 percent [401 KAR 59:010, Section 3 (1)].

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

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

40 CFR Part 63 Subpart MMMM

d. Any coating operation(s) for which the permittee uses the compliant material option or the emission rate without add-on controls option, as specified in 40 CFR 63.3891(a) and (b), must be in compliance with the applicable emission limit in 40 CFR 63.3890 at all times [40 CFR 63.3900(a)(1)].

e. At all times, the owner or operator must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the owner or operator to make any further efforts to reduce emissions if levels required by the applicable standard have been achieved. Determination of whether a source is operating in compliance with operation and maintenance requirements will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the affected source [40 CFR 63.3900(b)].

f. For each existing general use coating affected source, limit organic HAP emissions to no more than 2.6 pounds organic HAP per gallon coating solids used during each 12-month compliance period [40 CFR 63.3890(b)(1)].
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Compliance Demonstration Option:
The permittee must include all coatings (as defined in 40 CFR 63.3981), thinners and/or other additives, and cleaning materials used in the affected source when determining whether the organic HAP emission rate is equal to or less than the emission limitation. To make this determination, the permittee must use at least one of the three compliance options listed in paragraphs (a) through (c) of 40 CFR 63.3891. The permittee may apply any of the compliance options to an individual coating operation, or to multiple coating operations as a group, or to the entire affected source. The permittee may use different compliance options for different coating operations, or at different times on the same coating operation. The permittee may employ different compliance options when different coatings are applied to the same part, or when the same coating is applied to different parts. However, the permittee may not use different compliance options at the same time on the same coating operation. If the permittee switches between compliance options for any coating operation or group of coating operations, the permittee must document this switch as required by 40 CFR 63.3930(c), and the permittee must report it in the next semiannual compliance report required in 40 CFR 63.3920 [40 CFR 63.3891]. See subsection 6. Specific Reporting Requirements.

(1) Emission rate without add-on controls option. Demonstrate that, based on the coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s), the organic HAP emission rate for the coating operation(s) is less than or equal to the applicable emission limit, calculated as a rolling 12-month emission rate and determined on a monthly basis. The permittee must meet all the requirements of 40 CFR 63.3950, 63.3951, and 63.3952 to demonstrate compliance with the emission limit using this option [40 CFR 63.3891(b)]. The permittee must meet all the requirements in Section H, Alternate Operating Scenarios of this permit.

(2) Compliant material option. Demonstrate that the organic HAP content of each coating used in the coating operation(s) is less than or equal to the applicable emission limit in 40 CFR 63.3890, and that each thinner and/or other additive, and cleaning material used contains no organic HAP. The permittee must meet all the requirements of 40 CFR 63.3940, 63.3941, and 63.3942 to demonstrate compliance with the applicable emission limit using this option [40 CFR 63.3891(a)].

i. For each compliance period, the permittee must use no coating for which the organic HAP content (determined using Equation 2 of 40 CFR 63.3941) exceeds the applicable emission limit in 40 CFR 63.3890, and use no thinner and/or other additive, or cleaning material that contains organic HAP, determined according to 40 CFR 63.3941(a). A compliance period consists of 12 months. Each month, after the end of the initial compliance period described in 40 CFR 63.3940, is the end of a compliance period consisting of that month and the preceding 11 months. [40 CFR 63.3942(a)].

ii. The use of any coating, thinner, and/or other additive, or cleaning material that does not meet the criteria specified in 40 CFR 63.3942(a) is a deviation from the emission limitations that must be reported as specified in 40 CFR 63.3910(c)(6) and 63.3920(a)(5) [40 CFR 63.3942(b)]. See subsection 6. Specific Reporting Requirements.
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

3. Testing Requirements:
   Testing shall be conducted at such times as may be requested by the Cabinet [401 KAR 50:045, Section 1].

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

   b. For operations utilizing a fabric filter control device for particulate matter control, the permittee shall visually inspect the amount of solids build-up on the filter media on a daily basis. Filter media shall be replaced when deemed no longer efficient.

   c. The twelve-month rolling total VOC emissions shall be monitored monthly.

5. Specific Recordkeeping Requirements:
   a. The permittee shall maintain a log of the visual observations noting date, time, initials of observers, and 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 maintain a log of the filter visual inspections, including the date, and dates of filter replacements. For any booth that is not in operation on a given date, this fact should also be noted.

   c. The permittee shall keep the manufacturer’s filter specifications on site.

   d. Monthly records shall be kept of all materials used containing VOC and HAP, including the product type, amount used and the weight percentages for VOC and all individual HAPs.

   e. At the end of each month, VOC emissions shall be calculated per Section D of this permit, and every month, a new 12-month rolling total for VOC emissions shall be calculated.

40 CFR Part 63 Subpart MMMM

f. The permittee must maintain records as specified in 40 CFR 63.3930 and 63.3931 [40 CFR 63.3942(d)].

   (1) The permittee must collect and keep records of the data and information specified in 40 CFR 63.3930. Failure to collect and keep these records is a deviation from the applicable standard [40 CFR 63.3930].
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

i. A copy of each notification and report the permittee submitted to comply with 40 CFR 63 Subpart MMMM, and the documentation supporting each notification and report. If the permittee is using the predominant activity alternative under 40 CFR 63.3890(c), the permittee must keep records of the data and calculations used to determine the predominant activity. If the permittee is using the facility-specific emission limit alternative under 40 CFR 63.3890(c), the permittee must keep records of the data used to calculate the facility-specific emission limit for the initial compliance demonstration. The permittee must also keep records of any data used in each annual predominant activity determination and in the calculation of the facility-specific emission limit for each 12-month compliance period included in the semi-annual compliance reports [40 CFR 63.3930(a)].

ii. A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the volume fraction of coating solids for each coating. If the permittee conducted testing to determine mass fraction of organic HAP, density, or volume fraction of coating solids, the permittee must keep a copy of the complete test report. If the permittee uses information provided by the manufacturer or supplier of the material that was based on testing, the permittee must keep the summary sheet of results provided by the manufacturer or supplier. The permittee is not required to obtain the test report or other supporting documentation from the manufacturer or supplier [40 CFR 63.3930(b)].

iii. For each compliance period, the records specified in paragraphs (c)(1) through (4) of 40 CFR 63.3930 [40 CFR 63.3930(c)].
   A. A record of the coating operations on which the permittee used each compliance option and the time periods (beginning and ending dates and times) for each option used [40 CFR 63.3930(c)(1)].
   B. For the compliant material option, a record of the calculation of the organic HAP content for each coating, using Equation 2 of 40 CFR 63.3941[40 CFR 63.3930(c)(2)].
   C. For the emission rate without add-on controls option, a record of the calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1, 1A through 1C, and 2 of 40 CFR 63.3951; and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to 40 CFR 63.3951(e)(4); the calculation of the total volume of coating solids used each month using Equation 2 of 40 CFR 63.3951; and the calculation of each 12-month organic HAP emission rate using Equation 3 of 40 CFR 63.3951 [40 CFR 63.3930(c)(3)].
   iv. A record of the name and volume of each coating, thinner and/or other additive, and cleaning material used during each compliance period. If the permittee is using the compliant material option for all coatings at the source, the permittee may maintain purchase records for each material used rather than a record of the volume used [40 CFR 63.3930(d)].
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE
REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

v. A record of the mass fraction of organic HAP for each coating, thinner and/or
other additive, and cleaning material used during each compliance period unless
the material is tracked by weight [40 CFR 63.3930(e)].

vi. A record of the volume fraction of coating solids for each coating used during
each compliance period [40 CFR 63.3930(f)].

vii. If the permittee uses either the emission rate without add-on controls or the
emission rate with add-on controls compliance option, the density for each
coating, thinner and/or other additive, and cleaning material used during each
compliance period [40 CFR 63.3930(g)].

g. The permittee’s records must be in a form suitable and readily available for expeditious
review, according to 40 CFR 63.10(b)(1). Where appropriate, the records may be
maintained as electronic spreadsheets or as a database. On and after January 5, 2021, any
records required to be maintained by this subpart that are in reports that were 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 [40 CFR 63.3931(a)].

h. As specified in 40 CFR 63.10(b)(1), the permittee must keep each record for 5 years
following the date of each occurrence, measurement, maintenance, corrective action,
report, or record [40 CFR 63.3931(b)].

i. The permittee must keep each record on-site 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 may keep the records off-site for the remaining 3
years [40 CFR 63.3931(c)].

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

b. The permittee shall report the number of gallons of each coating applied, the amount of
VOC’s contained in the coatings, and the source wide monthly and twelve (12) month
rolling total VOC emissions as part of the semiannual reporting as required in Section F
(5) & (6). VOC rolling totals shall be reported in units of tons.
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

40 CFR Part 63 Subpart MMMM

c. As part of each semiannual compliance report required by 40 CFR 63.3920, the permittee must identify the coating operation(s) for which the permittee used the compliant material option. If there were no deviations from the applicable emission limit in 40 CFR 63.3890, submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the reporting period because the permittee used no coatings for which the organic HAP content exceeds the applicable emission limit in 40 CFR 63.3890, and the permittee used no thinner and/or other additive, or cleaning material that contained organic HAP, determined according to 40 CFR 63.3941(a) [40 CFR 63.3942(c)].

d. For deviations from the emission limitation, the semiannual compliance report must contain the information in paragraphs (i) through (v) of 40 CFR 63.3920(a)(5).

7. Specific Control Equipment Operating Conditions:
None

8. Alternate Operating Scenarios:
For an alternate compliance method under 40 CFR 63 Subpart MMMM, see Section H. – Alternate Operating Scenarios.
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

<table>
<thead>
<tr>
<th>ID</th>
<th>Description</th>
<th>Date Installed</th>
<th>Applicable Regulation(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Control Equipment: Scrubbers 4 &amp; 5</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Control Equipment: Scrubbers 1 &amp; 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Control Equipment: Scrubbers 1 &amp; 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Control Equipment: Scrubbers 4 &amp; 5</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Control Equipment: Scrubber 4</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Control Equipment: Scrubber 5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

APPLICABLE REGULATIONS:
401 KAR 59:010, New process operations
401 KAR 61:020, Existing process operations

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

1. Operating Limitations:
The scrubbers shall be operated according to the manufacturer's specifications and recommendations at any time the affected facilities are in operation.

2. Emission Limitations:
a. The following emission limitations for particulate matter are pursuant to 401 KAR 61:020, Section 3 (2) and 401 KAR 59:010, Section 3 (2):

<table>
<thead>
<tr>
<th>EMISSION POINT</th>
<th>AFFECTED FACILITY</th>
<th>MAXIMUM CAPACITY (ton/hr)</th>
<th>MAXIMUM ALLOWABLE EMISSION RATE (lb/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP05</td>
<td>Nickel Plating Line</td>
<td>&lt; 0.5</td>
<td>2.58</td>
</tr>
<tr>
<td>EP06</td>
<td>Flex Electroplating Line</td>
<td>&lt; 0.5</td>
<td>2.34</td>
</tr>
<tr>
<td>EP07</td>
<td>Copper Plating Line</td>
<td>&lt; 0.5</td>
<td>2.58</td>
</tr>
<tr>
<td>EP26</td>
<td>Decorative Plating (Line D)</td>
<td>&lt; 0.5</td>
<td>2.34</td>
</tr>
<tr>
<td>EP27</td>
<td>SOD Non-Cyanide Processes</td>
<td>&lt; 0.5</td>
<td>2.34</td>
</tr>
<tr>
<td>EP28</td>
<td>SOD Cyanide Processes</td>
<td>&lt; 0.5</td>
<td>2.34</td>
</tr>
</tbody>
</table>
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

401 KAR 61:020:
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 2.58 lbs/hr.

401 KAR 59:010:
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.

Compliance Demonstration Method:
The source is assumed to be in compliance when the control devices are operating and properly maintained. See subsection 4. Specific Monitoring Requirements.

b. The opacity of visible emissions from each stack from EP05 and EP07 shall not equal or exceed 40 percent [401 KAR 61:020, Section 3 (1)]. The opacity of visible emissions from each stack of all other equipment shall not equal or exceed 20 percent [401 KAR 59:010, Section 3 (1)].

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

c. 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.

d. See Section D for source-wide VOC and Nickel emission limitations.

3. Testing Requirements:
Testing shall be conducted at such times as may be requested by the Cabinet [401 KAR 50:045, Section 1].

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

b. The twelve-month rolling total VOC emissions shall be monitored monthly.

Monitoring, Scrubbers: 401 KAR 63:020

c. Weekly, record the pressure drop across the scrubber units.

d. Once per quarter, visually inspect device to ensure there is proper drainage and no evidence of chemical attack on the structural integrity of the device.
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

e. If applicable once per quarter, visually inspect the back portion of chevron blade mist eliminator to ensure that it is dry.

f. Once per quarter, visually inspect ductwork from tank or tanks to the control device to ensure there are no leaks.

g. Add fresh makeup water to the top of the packed bed whenever makeup is added.

h. Adhere to manufacturer’s recommended monitoring procedures where more stringent than those specified above.

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

   b. At the end of each month, VOC emissions shall be calculated per Section D of this permit, and every month, a new 12-month rolling total for VOC emissions shall be calculated.

  **Record Keeping Requirements, Scrubbers:** 401 KAR 63:020
  
c. Maintain records of the weekly pressure drop measurements across the scrubber units.

d. Maintain quarterly records of visual inspections.

e. Maintain records of an operation and maintenance plan, which shall include a standardized checklist to document the operation and maintenance of the scrubbers. The operation and maintenance plan shall at a minimum incorporate the monitoring requirements specified above.

f. Annual records of the usage of all VOC and HAP (including but not limited to nickel compounds, cyanide compounds and glycol ether compounds) containing materials shall be maintained. If the permittee is using AP-42 factors to estimate emissions in lieu of material usage engineering estimations, the annual hours of bath operation and bath rectifier capacity shall be recorded.

g. The permittee shall keep the manufacturer’s scrubber specifications on site.

6. **Specific Reporting Requirements:**
   The summary report of monitoring required by **Section F(5)** shall include a summary of the checklist generated by the operating and maintenance plan, which shall at a minimum include records of pressure drop readings, visual inspections and maintenance conducted on each scrubber during the period.
### SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

<table>
<thead>
<tr>
<th>ID</th>
<th>Description</th>
<th>Date Installed</th>
<th>Applicable Regulation(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EP30</td>
<td>NG boiler with input of 2.94 MMBtu/hr</td>
<td>2013</td>
<td>401 KAR 59:015, 40 CFR 63 Subpart DDDDD</td>
</tr>
<tr>
<td>EP31</td>
<td>NG boiler with input of 2.94 MMBtu/hr</td>
<td>2013</td>
<td>401 KAR 59:015, 40 CFR 63 Subpart DDDDD</td>
</tr>
<tr>
<td>EP32</td>
<td>NG boiler with input of 3.78 MMBtu/hr</td>
<td>2014</td>
<td>401 KAR 59:015, 40 CFR 63 Subpart DDDDD</td>
</tr>
</tbody>
</table>

### APPLICABLE REGULATIONS:

**401 KAR 59:015, New indirect heat exchangers**

**401 KAR 63:002 Section 2(4)(iii), 40 C.F.R. 63.7480 through 63.7575, Tables 1 through 13 (Subpart DDDDD), National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters**

1. **Operating Limitations:**
   a. Only natural gas shall be burned.

   b. The permittee shall meet the requirements in paragraphs (a)(1) through (3) of 40 CFR 63.7500, except as provided in paragraphs (b), through (e) of 40 CFR 63.7500. The permittee shall meet these requirements at all times the affected unit is operating, except as provided in paragraph (f) of 40 CFR 63.7500 [40 CFR 63.7500(a)].

   1) The permittee shall meet each emission limit and work practice standard in Tables 1 through 3, and 11 through 13 to 40 CFR 63 Subpart DDDDD that applies to their boiler or process heater, for each boiler or process heater at the source, except as provided under 40 CFR 63.7522 [40 CFR 63.7500(a)(1)].

   2) The permittee shall meet each operating limit in Table 4 to 40 CFR 63 Subpart DDDDD that applies to their boiler or process heater. If the permittee uses a control device or combination of control devices not covered in Table 4 to 40 CFR 63 Subpart DDDDD, or the permittee wishes to establish and monitor an alternative operating limit or an alternative monitoring parameter, the permittee shall apply to the EPA Administrator for approval of alternative monitoring under 40 CFR 63.8(f) [40 CFR 63.7500(a)(2)].

   3) At all times, the permittee shall operate and maintain any affected source (as defined in 40 CFR 63.7490), including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source [40 CFR 63.7500(a)(3)].
c. Boilers and process heaters in the units designed to burn gas 1 fuels subcategory with a heat input capacity of less than or equal to 5 million Btu per hour must complete a tune-up every 5 years as specified in 40 CFR 63.7540. Boilers and process heaters in the units designed to burn gas 1 fuels subcategory are not subject to the emission limits in Tables 1 and 2 or 11 through 13 to 40 CFR 63 Subpart DDDDD, or the operating limits in Table 4 to 40 CFR 63 Subpart DDDDD [40 CFR 63.7500(e)].

d. If the boiler or process heater has a continuous oxygen trim system that maintains an optimum air to fuel ratio, or a heat input capacity of less than or equal to 5 million Btu per hour and the unit is in the units designed to burn gas 1; units designed to burn gas 2 (other); or units designed to burn light liquid subcategories, or meets the definition of limited-use boiler or process heater in 40 CFR 63.7575, the permittee shall conduct a tune-up of the boiler or process heater every 5 years as specified in paragraphs (a)(10)(i) through (vi) of 40 CFR 63.7540 to demonstrate continuous compliance. The permittee may delay the burner inspection specified in paragraph (a)(10)(i) of 40 CFR 63.7540 until the next scheduled or unscheduled unit shutdown, but the permittee shall inspect each burner at least once every 72 months. If an oxygen trim system is utilized on a unit without emission standards to reduce the tune-up frequency to once every 5 years, set the oxygen level no lower than the oxygen concentration measured during the most recent tune-up [40 CFR 63.7540(a)(12)].

(1) As applicable, inspect the burner, and clean or replace any components of the burner as necessary (the permittee may perform the burner inspection any time prior to the tune-up or delay the burner inspection until the next scheduled unit shutdown). At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment [40 CFR 63.7540(a)(10)(i)];

(2) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available [40 CFR 63.7540(a)(10)(ii)];

(3) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the permittee may delay the inspection until the next scheduled unit shutdown) [40 CFR 63.7540(a)(10)(iii)];

(4) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NOX requirement to which the unit is subject [40 CFR 63.7540(a)(10)(iv)];

(5) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer [40 CFR 63.7540(a)(10)(v)]; and

(6) Maintain on-site and submit, if requested by the Administrator, a report containing the information in paragraphs (a)(10)(vi)(A) through (C) of 40 CFR 63.7540 [40 CFR 63.7540(a)(10)(vi)],
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

i. The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater [40 CFR 63.7540(a)(10)(vi)(A)];

ii. A description of any corrective actions taken as a part of the tune-up [40 CFR 63.7540(a)(10)(vi)(B)]; and

iii. The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit [40 CFR 63.7540(a)(10)(vi)(C)].

e. Each 5-year tune-up specified in 40 CFR 63.7540(a)(12) shall be conducted no more than 61 months after the previous tune-up [40 CFR 63.7515(d)].

f. If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup [40 CFR 63.7540(a)(13)].

2. Emission Limitations:
   a. Pursuant to 401 KAR 59:015, Section 4(1)(a), particulate emissions shall not exceed 0.56 lb/MMBtu for all affected facilities at the source.

b. Visible emissions shall not exceed 20% opacity [401 KAR 59:015, Section 4(2)].

c. Pursuant to 401 KAR 59:015, Section 5(1)(a), sulfur dioxide emissions shall not exceed 3.0 lbs/MMBtu for all affected facilities at the source.

Compliance Demonstration Method:
These units are assumed to be in compliance with the particulate, sulfur dioxide and opacity standards when burning natural gas.

3. Testing Requirements:
   Testing shall be conducted at such times as may be requested by the Cabinet [401 KAR 50:045, Section 1].

4. Specific Monitoring Requirements:
The permittee shall monitor the monthly natural gas use.

5. Specific Recordkeeping Requirements:
   a. The permittee shall keep records according to paragraphs (a)(1) and (2) of 40 CFR 63.7555 [40 CFR 63.7555(a)].
      (1) A copy of each notification and report that the permittee submitted to comply with 40 CFR 63 Subpart DDDDD, including all documentation supporting any Initial Notification or Notification of Compliance Status or semiannual compliance report that the permittee submitted, according to the requirements in 40 CFR 63.10(b)(2)(xiv) [40 CFR 63.7555(a)(1)].
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE
REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

(2) Records of performance tests, fuel analyses, or other compliance demonstrations and
performance evaluations as required in 40 CFR 63.10(b)(2)(viii) [40 CFR
63.7555(a)(2)].

b. The records must be in a form suitable and readily available for expeditious review,
according to 40 CFR 63.10(b)(1) [40 CFR 63.7560(a)].

c. 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 [40 CFR 63.7560(b)].

d. The permittee shall keep each record on site, or they must be accessible from on site (for
example, through a computer network), 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 off site for the remaining 3 years
[40 CFR 63.7560(c)].

e. The permittee shall maintain monthly records of natural gas usage.

6. Specific Reporting Requirements:

a. The permittee shall submit to the Administrator all of the notifications in 40 CFR 63.7(b)
and (c), 40 CFR 63.8(e), (f)(4) and (6), and 40 CFR 63.9(b) through (h) that apply by the
dates specified [40 CFR 63.7545(a)].

b. The permittee shall submit a Notification of Compliance Status contained the following
information as specified in 40 CFR 63.7545(e)(1) and (8) [40 CFR 63.7545(e)].

(1) A description of the affected unit(s) including identification of which subcategories
the unit is in, the design heat input capacity of the unit, a description of the add-on
controls used on the unit to comply with 40 CFR 63 Subpart DDDDD, description of
the fuel(s) burned, including whether the fuel(s) were a secondary material
determined by the permittee or the EPA through a petition process to be a non-waste
under 40 CFR 241.3, whether the fuel(s) were a secondary material processed from
discarded non-hazardous secondary materials within the meaning of 40 CFR 241.3,
and justification for the selection of fuel(s) burned during the compliance
demonstration [40 CFR 63.7545(e)(1)].

(2) In addition to the information required in 40 CFR 63.9(h)(2), the Notification of
Compliance Status shall include the following certification(s) of compliance, as
applicable, and signed by a responsible official: “This facility completed the required
initial tune-up for all of the process heaters covered by 40 CFR part 63 subpart
DDDDD at this site according to the procedures in 40 CFR 63.7540(a)(10)(i) through
(vi)” [40 CFR 63.7545(e)(8)].
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

c. The permittee submit all reports required by Table 9 of 40 CFR 63 Subpart DDDDD electronically to the EPA via the CEDRI. (CEDRI can be accessed through the EPA's CDX.) The permittee shall use the appropriate electronic report in CEDRI for 40 CFR 63, Subpart DDDDD. Instead of using the electronic report in CEDRI for this subpart, the permittee may submit an alternate electronic file consistent with the XML schema listed on the CEDRI Web site (http://www.epa.gov/ttn/chief/cedri/index.html), once the XML schema is available. If the reporting form specific to 40 CFR 63, Subpart DDDDD is not available in CEDRI at the time that the report is due, the permittee submit the report to the Administrator at the appropriate address listed in 40 CFR 63.13. The permittee shall begin submitting reports via CEDRI no later than 90 days after the form becomes available in CEDRI [40 CFR 63.7550(a), 40 CFR 63.7550(h)(3)].

d. The permittee shall submit each report, according to paragraph (h) of 40 CFR 63.7550, by the date in Table 9 to 40 CFR 63, Subpart DDDDD and according to the requirements in paragraphs (b)(1) through (4) of 40 CFR 63.7550. The permittee shall submit a 5-year compliance report, as specified in paragraphs (b)(1) through (4) of 40 CFR 63.7550, instead of a semi-annual compliance report [40 CFR 63.7550(b)].

(1) The first compliance report must cover the period beginning on the compliance date that is specified for each boiler or process heater in 40 CFR 63.7495 and ending on December 31 within 5 years after the compliance date that is specified for the permittee in 40 CFR 63.7495.

(2) The first 5-year compliance report shall be postmarked or submitted no later than January 31.

(3) Each subsequent annual compliance report shall cover the applicable 5-year period from January 1 to December 31.

(4) Each subsequent 5-year compliance report shall be postmarked or submitted no later than January 31.

f. A compliance report must contain the following information depending on how the facility chooses to comply with the limits set in this rule [40 CFR 63.7550(c)].

(1) If the facility is subject to the requirements of a tune up, the permittee shall submit a compliance report with the information in paragraphs (c)(5)(i) through (iii) of 40 CFR 63.7550, (xiv) and (xvii) of 40 CFR 63.7550 [40 CFR 63.7550(c)(1)].

i. Company and Facility name and address [40 CFR 63.7550(c)(5)(i)].

ii. Process unit information, emissions limitations, and operating parameter limitations [40 CFR 63.7550(c)(5)(ii)].

iii. Date of report and beginning and ending dates of the reporting period [40 CFR 63.7550(c)(5)(iii)].

iv. Include the date of the most recent tune-up for each unit subject to only the requirement to conduct an annual, biennial, or 5-year tune-up according to 40 CFR 63.7540(a)(10), (11), or (12) respectively. Include the date of the most recent burner inspection if it was not done annually, biennially, or on a 5-year period and was delayed until the next scheduled or unscheduled unit shutdown [40 CFR 63.7550(c)(5)(xiv)].
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

v. 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 [40 CFR 63.7550(c)(5)(xvii)].

g. The permittee shall report each instance in which the permittee did not meet each emission limit and operating limit in Tables 1 through 4 or 11 through 13 to 40 CFR 63 Subpart DDDDD that apply. These instances are deviations from the emission limits or operating limits, respectively, in 40 CFR 63 Subpart DDDDD. These deviations must be reported according to the requirements in 40 CFR 63.7550 [40 CFR 63.7540(b)].

7. **Specific Control Equipment Operating Conditions:**
   None
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EP 15  Emergency Lighting Generator #1 Natural Gas Fired Emergency Spark Ignition (SI) Reciprocating Internal Combustion Engines (RICE)

Description: Generac QTO 48, 4 cycle lean burn, reciprocating, natural gas generator.

Power Output Rated Capacity: 78.26 horsepower (hp)
Fuel input: 0.756 MMBtu/hr @ 100% load
Model Year: 2013
Construction Date: 2013

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

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

1. Operating Limitations:
   a. The permittee must operate and maintain the certified stationary SI internal combustion engine according to the manufacturer's emission-related written instructions, the permittee must keep records of conducted maintenance to demonstrate compliance [40 CFR 60.4243(a)(1)].

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

   c. The permittee must operate the emergency stationary ICE according to the requirements in paragraphs (d)(1) through (3) of 40 CFR 60.4243. In order for the engine to be considered an emergency stationary ICE under 40 CFR 60 Subpart JJJJ, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (d)(1) through (3) of 40 CFR 60.4243, is prohibited. If the permittee does not operate the engine according to the requirements in paragraphs (d)(1) through (3) of 40 CFR 60.4243, the engine will not be considered an emergency engine under 40 CFR 60 Subpart JJJJ and must meet all requirements for non-emergency engines [40 CFR 60.4243(d)].

   (1) There is no time limit on the use of emergency stationary ICE in emergency situations [40 CFR 60.4243(d)(1)].
**SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

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

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

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

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

2. **Emission Limitations:**

a. The permittee shall comply with the emission standards in Table 1 to this subpart for their emergency stationary SI ICE [40 CFR 60.4233(d)].

<table>
<thead>
<tr>
<th>Engine type and fuel</th>
<th>Maximum engine power</th>
<th>Manufacture date</th>
<th>Emission standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency</td>
<td>25&lt;HP&lt;130</td>
<td>After 1/1/2009</td>
<td>g/HP-hr ppmvd at 15% O₂</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>NOₓ + HC CO VOC NOₓ CO VOC</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 387 N/A N/A N/A N/A</td>
</tr>
</tbody>
</table>
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

**Compliance Demonstration Method:**
The permittee shall purchase an engine certified according to the procedures specified in this subpart, for the same model year; and pursuant to 40 CFR 60.4243 (a)(1) operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer’s emission-related written instructions [40 CFR 60.4243 (b)(1)].

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

3. **Testing Requirements:**
   Testing shall be conducted at such times as may be requested by the Cabinet [401 KAR 50:045, Section 1].

4. **Specific Monitoring Requirements:**
   a. The permittee must install a non-resettable hour meter upon startup of the emergency engine [40 CFR 60.4237 (c)].

   b. The permittee through the non-resettable hour meter shall monitor the hours of operation of the emergency generators on an annual basis.

5. **Specific Recordkeeping Requirements:**
   a. The permittee must keep records of the following information [40 CFR 60.4245(a)]:
      (1) All notifications submitted to comply with this subpart and all documentation supporting any notification.
      (2) Maintenance conducted on the engine.
      (3) Documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 1048, 1054, and 1060, as applicable.

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

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

6. **Specific Reporting Requirements:**
Pursuant to 40 CFR 60.4246, the permittee shall comply with the applicable requirements in Table 3 of 40 CFR 60 Subpart JJJJ.
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EP 33  Diesel Powered Emergency Fire Suppression Water Pump

**Construction Date:** 1989, Rebuilt: 1996  
**Power Output:** 160 hp

**Description:** Caterpillar 3208 DINA – Fire Suppression Pump Engine was built and installed in 1989 and then reconstructed in 1996.

**APPLICABLE REGULATIONS:**

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

1. **Operating Limitations:**
   a. The permittee shall comply with the emission limitations and other requirements in Table 2c to 40 CFR 63 Subpart ZZZZ which apply [40 CFR 63.6602]. Pursuant to 40 CFR 63.6602 and Table 2c (1):
      a. Change oil and filter every 500 hours of operation or annually, whichever comes first;
      b. Inspect air cleaners every 1,000 hours of operation or annually, whichever comes first;
      c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
      d. Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply [40 CFR 63.6625(h)].

   b. The permittee must be in compliance with the applicable emission and operating limitations in 40 CFR 63, Subpart ZZZZ at all times [40 CFR 63.6605(a)].

   c. At all times, the permittee must operate and maintain the affected source in a manner consistent with good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source [40 CFR 63.6605(b)].
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

d. The permittee must either operate and maintain the engines according to the manufacturer’s emission-related operating and maintenance instructions, or develop and follow their own maintenance plan which must provide, to the extent practicable, for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions [40 CFR 63.6640(a), and 40 CFR 63.6625(e)(2)].

e. The permittee must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of 40 CFR 63.6640. In order for the engine to be considered an emergency stationary RICE under 40 CFR 63 Subpart ZZZZ, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4) of 40 CFR 63.6640, is prohibited. If the permittee does not operate the engine according to the requirements in paragraphs (f)(1) through (4) of 40 CFR 63.6640, the engine will not be considered an emergency engine under 40 CFR 63 Subpart ZZZZ and must meet all requirements for non-emergency engines [40 CFR 63.6640(f)].

1. There is no time limit on the use of emergency stationary RICE in emergency situations [40 CFR 63.6640(f)(1)].

2. The permittee may operate their emergency stationary RICE for the purpose specified in paragraph (f)(2)(i) of 40 CFR 63.6640 for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of 40 CFR 63.6640 counts as part of the 100 hours per calendar year allowed by this paragraph [40 CFR 63.6640(f)(2)].

(i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year [40 CFR 63.6640(f)(2)(i)].

3. Emergency stationary RICE located at major sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (f)(2) of 40 CFR 63.6640. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR 63.6640(f)(3)].
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

f. The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to 40 CFR 63 Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to 40 CFR 63 Subpart ZZZZ. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the permittee is not required to change the oil. If any of the limits are exceeded, the permittee must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the permittee must change the oil within 2 business days or before commencing operation, whichever is later. The permittee must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine [40 CFR 63.6625(i)].

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

3. Testing Requirements:
   Testing shall be conducted at such times as may be requested by the Cabinet [401 KAR 50:045, Section 1].

4. Specific Monitoring Requirements:
   a. To meet the monitoring requirements, the permittee shall install a non-resettable hour meter if one is not already installed [40 CFR 63.6625(f)].

   b. The permittee shall monitor the hours of operation of the engines on a quarterly basis.

5. Specific Recordkeeping Requirements:
   a. The permittee shall compile and maintain records of the hours of operation for the engines on a quarterly basis.

   b. The permittee shall maintain records in a form suitable and readily available for expeditious review as specified in 40 CFR 63.10(b)(1). The permittee shall keep each record in hard copy or electronic form for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record [40 CFR 63.6660].
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

c. The permittee must keep a copy of each notification and report that is submitted, including all documentation supporting any Initial Notification or Notification of Compliance Status that is submitted, according to the requirement in 40 CFR 63.10(b)(2)(xiv), records of the occurrence and duration of each malfunction of operation (i.e., process equipment) and monitoring equipment, records of performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(viii), records of all required maintenance performed on the monitoring equipment, and records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.6605(b), including corrective actions to restore malfunctioning process and monitoring equipment to its normal or usual manner of operation [40 CFR 63.6655(a)(1) through (a)(5)].

d. The permittee shall maintain records of the maintenance conducted on the engine in order to demonstrate that the engine was operated and maintained, according to the maintenance plan for the engine [40 CFR 63.6655(e)].

e. The permittee must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee must document how many hours are spent for emergency operation; including, what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for demand respond, records must be kept of the notification of the emergency situation, and the time the engine was operated as part of demand response [40 CFR 63.6655(f)].

f. See 40 CFR 63.6665 for additional requirements, except per 63.6645(a)(5), the following do not apply to an existing stationary emergency RICE: 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b)-(e), (g) and (h) [40 CFR 63.6645 & 63.6665].

6. **Specific Reporting Requirements:**

a. The permittee must report each instance in which an applicable emission limitation or operating limitation in Table 2c of 40 CFR 63, Subpart ZZZZ, was not met. These instances are deviations from the emission and operating limitations. These deviations must be reported according to the requirements in 40 CFR 63.6650. If a catalyst is changed on any engine which has a catalytic control device, the permittee must reestablish the values of the operating parameters measured during the initial performance test. When the operating parameter values are reestablished, the permittee must also conduct a performance test to demonstrate that the required emission limitations applicable to these engines are being met [40 CFR 63.6640(b)].

b. See Section F for general reporting requirements.
SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020, 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. Color Match Paint</td>
<td>None</td>
</tr>
<tr>
<td>2. Heat Treat Booth</td>
<td>401 KAR 63:020</td>
</tr>
<tr>
<td>3. Waste Water Treatment</td>
<td>None</td>
</tr>
<tr>
<td>4. Injection Molding</td>
<td>401 KAR 59:010</td>
</tr>
<tr>
<td>5. Solvent Recovery Machine</td>
<td>None</td>
</tr>
<tr>
<td>6. Headers</td>
<td>401 KAR 59:010</td>
</tr>
<tr>
<td>7. Five 0.5 MMBtu/hr natural gas ovens</td>
<td>None</td>
</tr>
<tr>
<td>12. Two (2) Parts Washers – 25 gallons ea.</td>
<td>None</td>
</tr>
<tr>
<td>13. Waste Water Treatment Lab</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 and Nickel 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. Source-wide emissions of VOC shall not exceed 90 tons during any consecutive 12 month period.

      Compliance Demonstration Method:

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

      Where;
      \( \rho \) = amount of VOC in each solvent containing material less water and/or exempt solvent used during the month, (lbs/gal).
      \( i \) = individual solvent containing material (i.e. primer, enamel and thinner, etc.)
      \( n \) = total number of solvent containing materials used
      \( M \) = gallons of solvent containing material “i” used

      Source-wide VOC emissions = \( \sum [\text{VOC emissions from surface coating operations}] + \sum [\text{VOC emissions from natural gas combustion}] + \sum [\text{VOC emissions from diesel combustion}] + \sum [\text{VOC emissions from Insignificant Activities, if applicable}] \)

   b. Source-wide emissions of Nickel shall not exceed 0.00644 tons per year during any consecutive 12 month period.

      Compliance Demonstration Method:
      The facility may calculate source-wide emissions of nickel using either of two methods.
      1. Using the previously accepted engineering factor, that 3% by weight of nickel anodes consumed are emitted, along with the scrubber’s control efficiency to calculate emissions.
      2. Using AP-42 emission factors and the scrubber’s control efficiency. The factor for nickel electroplating from AP-42 Table 12.20-4 is 0.37 grains per amp-hr.

   c. Compliance with annual limits is based on a rolling twelve month total. Emissions shall be calculated on a monthly basis and shall be added to previous eleven months emissions to get a total of actual emissions for each consecutive 12 month period. Rolling totals shall be reported in units of tons.
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;
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:

Division for Air Quality  U.S. EPA Region 4  
Frankfort Regional Office  Air Enforcement Branch  
300 Sower Blvd., 1st Floor  Atlanta Federal Center  
Frankfort, KY 40601  61 Forsyth St. SW  
Atlanta, GA 30303-8960

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.

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

   No construction authorized by this permit (V-22-010).
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;
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) 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.
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

The alternate operating scenarios set forth below have been approved by the Division based on information supplied with the application and during the application review process. The terms and conditions of each alternate operating scenario have been developed to ensure compliance with the applicable regulations. The permittee, when making a change from one operating scenario to another, shall record contemporaneously in a log at the permitted facility a record of the scenario under which the facility is operating. The permit shield, as provided in Section G shall extend to each alternate operating scenario set forth in this Section. All conditions not specified under an alternate operating scenario shall remain unchanged from their permit values or requirements.

ALTERNATE OPERATING SCENARIO 1
Emission rate without add-on controls option

APPLICABLE REGULATIONS:
401 KAR 63:002 Section 2(4)(rrr), 40 C.F.R. 63.3880 through 63.3981, Tables 1 through 5, and Appendix A (Subpart MMMM), National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products

1. Operating Limitations:
The materials used in affected facilities shall not exceed the limitations as described in subsection 2. Emission Limitations, below, for organic HAP content.

2. Emission Limitations:
Emission rate without add-on controls option. Demonstrate that, based on the coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s), the organic HAP emission rate for the coating operation(s) is less than or equal to the applicable emission limit, calculated as a rolling 12-month emission rate and determined on a monthly basis. The permittee must meet all the requirements of 40 CFR 63.3950, 63.3951, and 63.3952 to demonstrate compliance with the emission limit using this option [40 CFR 63.3891(b)].

Compliance Demonstration Method:
The organic HAP emission rate for each compliance period, determined according to 40 CFR 63.3951(a) through (g), must be less than or equal to the applicable emission limit in 40 CFR 63.3890. A compliance period consists of 12 months. Each month after the end of the initial compliance period described in 40 CFR 63.3950 is the end of a compliance period consisting of that month and the preceding 11 months. The permittee must perform the calculations in 40 CFR 63.3951(a) through (g) on a monthly basis using data from the previous 12 months of operation [40 CFR 63.3952(a)].

a. The permittee must meet all the requirements of 40 CFR 63.3951. When calculating the organic HAP emission rate according to 40 CFR 63.3951, do not include any coatings, thinners and/or other additives, or cleaning materials used on coating operations for which the permittee uses the compliant material option. The permittee does not need to redetermine the mass of organic HAP in coatings, thinners and/or other additives, or
SECTION H - ALTERNATE OPERATING SCENARIOS (CONTINUED)

cleaning materials that have been reclaimed on-site (or reclaimed off-site if the permittee has documentation showing that the permittee received back the exact same materials that were sent off-site) and reused in the coating operation for which the permittee uses the emission rate without add-on controls option. If the permittee uses coatings, thinners and/or other additives, or cleaning materials that have been reclaimed on-site, the amount of each used in a month may be reduced by the amount of each that is reclaimed. That is the amount used may be calculated as the amount consumed to account for materials that are reclaimed [40 CFR 63.3951].

(1) **Determine the mass fraction of organic HAP for each material** [40 CFR 63.3951(a)].
(2) **Determine the volume fraction of coating solids** [40 CFR 63.3951(b)].
(3) **Determine the density of each material** [40 CFR 63.3951(c)].
(4) **Determine the volume of each material used** [40 CFR 63.3951(d)].
(5) **Calculate the mass of organic HAP emissions.** The mass of organic HAP emissions is the combined mass of organic HAP contained in all coatings, thinners and/or other additives, and cleaning materials used during each month minus the organic HAP in certain waste materials. Calculate the mass of organic HAP emissions using Equation 1, below [40 CFR 63.3951(e)].

\[ H_e = A + B + C - R_w \]  
(Eq. 1)

Where:
- \( H_e \) = Total mass of organic HAP emissions during the month, kg.
- \( A \) = Total mass of organic HAP in the coatings used during the month, kg, as calculated in Equation 1A of 40 CFR 63.3951(e)(1).
- \( B \) = Total mass of organic HAP in the thinners and/or other additives used during the month, kg, as calculated in Equation 1B of this section of 40 CFR 63.3951(e)(2).
- \( C \) = Total mass of organic HAP in the cleaning materials used during the month, kg, as calculated in Equation 1C of 40 CFR 63.3951(e)(3).
- \( R_w \) = Total mass of organic HAP in waste materials sent or designated for shipment to a hazardous waste TSDF for treatment or disposal during the month, kg, determined according to 40 CFR 63.3951(e)(4). (The permittee may assign a value of zero to \( R_w \) if the permittee does not wish to use this allowance.)

(6) **Calculate the total volume of coating solids used** [40 CFR 63.3951(f)].
(7) **Calculate the organic HAP emission rate** [40 CFR 63.3951(g)].

b. The permittee must maintain records as specified in subsection 5. **Specific Recordkeeping Requirements**, below.

3. **Testing Requirements:**
   Testing shall be conducted at such times as may be requested by the Cabinet [401 KAR 50:045, Section 1].

4. **Specific Monitoring Requirements**
   See subsection 5. **Specific Recordkeeping Requirements**.
SECTION H - ALTERNATE OPERATING SCENARIOS (CONTINUED)

5. **Specific Recordkeeping Requirements:**
   a. The permittee must maintain records as specified in 40 CFR 63.3930 and 63.3931 [40 CFR 63.3952(d)].
      (1) The permittee must collect and keep records of the data and information specified in 40 CFR 63.3930. Failure to collect and keep these records is a deviation from the applicable standard [40 CFR 63.3930].
         i. A copy of each notification and report the permittee submitted to comply with 40 CFR 63 Subpart MMMM, and the documentation supporting each notification and report. If the permittee is using the predominant activity alternative under 40 CFR 63.3890(c), the permittee must keep records of the data and calculations used to determine the predominant activity. If the permittee is using the facility-specific emission limit alternative under 40 CFR 63.3890(c), the permittee must keep records of the data used to calculate the facility-specific emission limit for the initial compliance demonstration. The permittee must also keep records of any data used in each annual predominant activity determination and in the calculation of the facility-specific emission limit for each 12-month compliance period included in the semi-annual compliance reports [40 CFR 63.3930(a)].
         ii. A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the volume fraction of coating solids for each coating. If the permittee conducted testing to determine mass fraction of organic HAP, density, or volume fraction of coating solids, the permittee must keep a copy of the complete test report. If the permittee uses information provided by the manufacturer or supplier of the material that was based on testing, the permittee must keep the summary sheet of results provided by the manufacturer or supplier. The permittee is not required to obtain the test report or other supporting documentation from the manufacturer or supplier [40 CFR 63.3930(b)].
         iii. For each compliance period, the records specified in paragraphs (c)(1) through (4) of 40 CFR 63.3930 [40 CFR 63.3930(c)].
            A. A record of the coating operations on which the permittee used each compliance option and the time periods (beginning and ending dates and times) for each option used [40 CFR 63.3930(c)(1)].
            B. For the emission rate without add-on controls option, a record of the calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1, 1A through 1C, and 2 of 40 CFR 63.3951; and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to 40 CFR 63.3951(c)(4); the calculation of the total volume of coating solids used each month using Equation 2 of 40 CFR 63.3951; and the calculation of each 12-month organic HAP emission rate using Equation 3 of 40 CFR 63.3951 [40 CFR 63.3930(c)(3)].
         iv. A record of the name and volume of each coating, thinner and/or other additive, and cleaning material used during each compliance period. If the permittee is using the compliant material option for all coatings at the source, the permittee may maintain purchase records for each material used rather than a record of the volume used [40 CFR 63.3930(d)].
SECTION H - ALTERNATE OPERATING SCENARIOS (CONTINUED)

v. A record of the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each compliance period unless the material is tracked by weight [40 CFR 63.3930(e)].

vi. A record of the volume fraction of coating solids for each coating used during each compliance period [40 CFR 63.3930(f)].

vii. If the permittee uses either the emission rate without add-on controls or the emission rate with add-on controls compliance option, the density for each coating, thinner and/or other additive, and cleaning material used during each compliance period [40 CFR 63.3930(g)].

b. The permittee’s records must be in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database. On and after January 5, 2021, any records required to be maintained by this subpart that are in reports that were 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 [40 CFR 63.3931(a)].

c. As specified in 40 CFR 63.10(b)(1), the permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record [40 CFR 63.3931(b)].

d. The permittee must keep each record on-site 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 may keep the records off-site for the remaining 3 years [40 CFR 63.3931(c)].

6. Specific Reporting Requirements:

a. The permittee must submit semiannual compliance reports for each affected source according to the requirements of paragraphs (a)(1) through (4) and (6) of 40 CFR 63.3920(a). The semiannual compliance reporting requirements may be satisfied by reports required under other parts of the Clean Air Act (CAA), as specified in paragraph 40 CFR 63.3920(a)(2) [40CFR 63.3920(a)].

b. If the organic HAP emission rate for any 12-month compliance period exceeded the emission limitation, this is a deviation from the emission limitation for that compliance period and must be reported as specified in 40 CFR 63.3910(c)(6) and 63.3920(a)(6) [40 CFR 63.3952(b)].
SECTION I - COMPLIANCE SCHEDULE

N/A