### AIR QUALITY PERMIT

Issued under 401 KAR 52:020

<table>
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<tr>
<th>Permittee Name</th>
<th>Sonoco Products Company</th>
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<tbody>
<tr>
<td>Mailing Address</td>
<td>3100 Ohio Drive</td>
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<table>
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<td>Activity</td>
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<tr>
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<td>Source ID</td>
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<th>Regional Office</th>
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<tbody>
<tr>
<td></td>
<td>3032 Alvey Park Dr. W., Suite 700</td>
</tr>
<tr>
<td></td>
<td>Owensboro, KY 42303</td>
</tr>
<tr>
<td></td>
<td>(270) 687-7304</td>
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<td>January 31, 2022</td>
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X

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

Version 4/1/2022
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<td>Renewal Operating Permit, removal of EU04 &amp; EU19, addition of EU39 and EU40.</td>
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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 (CONTINUED)

EMISSION GROUP I:

EMISSION UNIT 02: Curing Oven (401 Safety Shield Oven)
Description: Wax is applied to ring pull ends, which are then cured in this Cincinnati Industrial Machinery (Serial # S-8149) natural gas-fired oven.
Construction Commenced: November, 1990
Controls: None

Emission Sources: Max Throughputs:
Hot Melt Wax 41.76 tons/year
Natural Gas Burned 10.51 MMscf/year
Tab Lubricant 2.39 tons/year

EMISSION UNIT 05: Top End Strip Press (3 Bliss – 502 Steel End Press)
Description: W. R. Grace Model 800 unit used to line top ends with compound liner. Nozzles are cleaned by the occasional spraying of cleaning mist.
Construction Commenced: August, 1990
Controls: None

Emission Sources: Max Throughputs:
6179 Compound 78.48 tons/year
85 Mist 1.49 tons/year
9385 Compound 152.95 tons/year

EMISSION UNIT 06: Bottom End Strip Press (10 Bliss – 502 Aluminum Steel End Press)
Description: W. R. Grace Model 800 unit used to line bottom ends with compound liner. Nozzles are cleaned by the occasional spraying of cleaning mist.
Construction Commenced: August, 1990
Controls: None

Emission Sources: Max Throughputs:
6179 Compound 78.48 tons/year
85 Mist 1.49 tons/year
9385 Compound 152.95 tons/year

Description: W. R. Grace Model 800 unit used to line blank ends with compound liner. Nozzles are cleaned by the occasional spraying of cleaning mist.
Construction Commenced: August, 1990
Controls: None

Emission Sources: Max Throughputs:
6179 Compound 94.52 tons/year
Darex CMPD 9307G 97.8 tons/year
9385 Compound 86.21 tons/year
4875 Lubricant 9.46 tons/year
85 Mist 2.21 tons/year
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Description: W. R. Grace Model 800 unit used to line blank ends with compound liner. Nozzles are cleaned by the occasional spraying of cleaning mist.
Construction Commenced: August, 1990
Controls: None

Emission Sources: Max Throughputs:
9385 Compound 61.43 tons/year
6179 Compound 69.35 tons/year
85 Mist 1.57 tons/year

Description: Blank and Conversion Press used to line ring pull ends with compound liner. Nozzles are cleaned by the occasional spraying of cleaning mist.
Construction Commenced: August, 1995
Controls: None

Emission Sources: Max Throughputs:
Tab Lubricant 2.55 tons/year
85 Mist 1.38 tons/year

EMISSION UNIT 14: Scroll Sheer Waxers (2 Scroll Shear Waxer)
Description: Micro Sphere (Serial #133) unit used to apply wax to scrolled sheets.
Construction Commenced: August, 1990
Controls: None

Emission Sources: Max Throughputs:
1230 Wax 2.08 tons/year

EMISSION UNIT 26: Blank End Press (1 Coil – 300 Aluminum End Press)
Description: W. R. Grace Model 800 unit used to line blank ends with compound liner. Nozzles are cleaned by the occasional spraying of cleaning mist.
Construction Commenced: August, 1990
Controls: None

Emission Sources: Max Throughputs:
6179 Compound 85.52 tons/year
85 Mist 1.24 tons/year

EMISSION UNIT 27: Curing Oven (300 Safety Shield Oven)
Description: This electric black body infrared oven is used to cure pull ends after wax is applied.
Construction Commenced: April, 1995
Controls: None
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>Description:</strong> Conversion Press used to coat ring pull ends with lubricant. Construction Commenced: April, 1995 Controls: None</td>
<td><strong>Description:</strong> W. R. Grace Model 800 unit used to line ends with compound liner. Nozzles are cleaned by the occasional spraying of cleaning mist. Construction Commenced: November, 1995 Controls: None</td>
<td><strong>Description:</strong> W. R. Grace Model 800 unit used to line ends with compound liner. Nozzles are cleaned by the occasional spraying of cleaning mist. Construction Commenced: January, 1998 Controls: None</td>
<td><strong>Description:</strong> This unit is used to line ends with compound liner. Nozzles are cleaned by the occasional spraying of cleaning mist. Construction Commenced: June, 2002 Controls: None</td>
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<td><strong>Emission Sources:</strong></td>
<td><strong>Emission Sources:</strong></td>
<td><strong>Emission Sources:</strong></td>
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<td>Max Throughputs:</td>
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<tr>
<td>6E114-02 Hot Melt Wax 24.43 tons/year</td>
<td>Tab Lubricant 1.87 tons/year</td>
<td>6179 Compound 145.94 tons/year 4875 Lubricant 9.46 tons/year 9385 Compound 152.95 tons/year 85 Mist 2.78 tons/year</td>
<td>9385 Compound 83.53 tons/year 85 Mist 1.45 tons/year 6179 Compound 45.63 tons/year</td>
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</table>
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

EMISSION UNIT 35: Ultra Seal Blanks (603 Ultra Seal Ring Press)
Description: This unit is used to line ends with compound liner. Nozzles are cleaned by the occasional spraying of cleaning mist.
Construction Commenced: February, 2002
Controls: None

<table>
<thead>
<tr>
<th>Emission Sources</th>
<th>Max Throughputs</th>
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<tbody>
<tr>
<td>9385 Compound</td>
<td>155.36 tons/year</td>
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<tr>
<td>85 Mist</td>
<td>2.69 tons/year</td>
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<tr>
<td>6179 Compound</td>
<td>8.49 tons/year</td>
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EMISSION UNIT 37: 208 Bliss Press (Minster EC100 QL Stolle Conversion)
Description: Tab stock is put into a lubricated die and treated with score repair.
Construction Commenced: May, 2015
Controls: None

<table>
<thead>
<tr>
<th>Emission Sources</th>
<th>Max Throughputs</th>
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<tr>
<td>6179 Compound</td>
<td>78.48 tons/year</td>
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<tr>
<td>85 Mist</td>
<td>1.49 tons/year</td>
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EMISSION UNIT 38: 208 Post Repair Sprayer and Oven
Description: Ends are treated with post repair spray. Ovens are electric with two (2) seventeen (17) kW heaters.
Construction Commenced: May, 2015
Controls: None

<table>
<thead>
<tr>
<th>Emission Sources</th>
<th>Max Throughputs</th>
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<tr>
<td>V70S41AC</td>
<td>16.82 tons/year</td>
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APPLICABLE REGULATIONS:
401 KAR 59:010, New process operations, Applies to EU 02, EU 05, EU 06, EU 08, EU 11, EU 26, EU 32, EU 33, EU 34, EU 35, and EU 37.

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

PRECLUDED REGULATIONS:
401 KAR 51:017, Prevention of significant deterioration of air quality
401 KAR 63:002, Section 2(4)(qqq), 40 C.F.R. 63.3480 through 63.3561, Tables 1 through 8 (Subpart KKKK), National Emission Standards for Hazardous Air Pollutants: Surface Coating of Metal Cans

1. Operating Limitations:
The permittee shall limit operation of the emission units listed above as necessary to meet the emission limitations in SECTION D.
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

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

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

   b. **Mass Emission Standard:** For emissions from a control device or stack, the permittee shall not cause, suffer, allow or permit the emission into the open air of particulate matter from any affected facility which is in excess of 2.34 lbs/hr. [401 KAR 59:010, Section 3(2)]

      **Compliance Demonstration Method:**
      EU 02, Safety Shield Oven, is assumed to be in compliance with particulate matter standards while burning natural gas. For all other Emission Units listed above, the source is assumed to be in compliance with the particulate matter standards based on the potential emission rates of particulates given in the application submitted by the source.

   c. The permittee shall not allow any affected facility to emit potentially hazardous matter or toxic substances in such quantities or duration as to be harmful to the health and welfare of humans, animals and plants. Evaluation of such facilities as to the adequacy of controls and/or procedures and emission potential will be made on an individual basis by the Cabinet. [401 KAR 63:020, Section 3]

      **Compliance Demonstration Method:**
      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. Refer to SECTION D for source wide VOC emission limitations to preclude 401 KAR 51:017, Prevention of significant deterioration of air quality.

   e. Refer to SECTION D for source wide single HAP and combined HAP emission limitations to preclude major source status for HAP and 40 CFR 63, Subpart KKKK, National Emission Standards for Hazardous Air Pollutants for Surface Coating of Metal Cans.

3. **Testing Requirements:**
   a. Testing of any new coating compound used at these emission points shall be carried out prior to production use, as approved by the Division, to determine the VOC and HAP content of the coating. The chemical composition of a new coating submitted by the manufacturer, such as in an MSDS, may substitute for a chemical analysis test if approved by the Division.
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

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

4. Specific Monitoring Requirements:
   a. The permittee shall 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 U.S. EPA Reference Method 9. In lieu of determining the opacity using U.S. EPA Reference Method 9, the permittee shall immediately perform a corrective action which results in no visible emissions (not including condensed water in the plume). [401 KAR 52:030, Section 10]

b. The permittee shall calculate the monthly VOC and HAP emissions for comparison to the limits in SECTION D.

c. The permittee shall monitor natural gas usage monthly. If the permittee does not install an individual gas meter capable of monitoring actual natural gas usage on a monthly basis, the permittee shall use the actual monthly hours of operation and the rated capacity (in MMBtu/hr) of EU 02 to estimate monthly natural gas usage for the purposes of the monthly emission calculations in SECTION D. [401 KAR 52:030, Section 10]

d. Refer to SECTION F for general monitoring requirements.

5. Specific Recordkeeping Requirements:
   a. The permittee shall maintain records of the following for each emission unit: [401 KAR 52:020, Section 10]
      i. The monthly usage rates of each of the coatings;
      ii. The monthly natural gas usage, for EU 02;
      iii. The calculated monthly and 12-month rolling total VOC and HAP emissions;
      iv. The chemical compositions of the compounds used.

b. A log of the qualitative visual observations made as specified in 4. Specific Monitoring Requirements (a) including the date, time, initials of observer, whether any emissions were observed (yes/no), and any U.S. EPA Reference Method 9 readings taken. [401 KAR 52:020, Section 10]

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

6. **Specific Reporting Requirements:**
   
a. The permittee shall include the calculated monthly and 12-month rolling VOC emissions, including the details of these calculations, in each semi-annual report. [401 KAR 52:020, Section 10]

b. The permittee shall include the calculated monthly and 12-month rolling HAP emissions, including the details of these calculations, in each semi-annual report. [401 KAR 52:020, Section 10]

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

EMISSION GROUP II

EMISSION UNIT 39: Solvent Parts Cleaning
Description: Three (3) 80 gallon agitating parts cleaners (Model #1678)
ConstructionCommenced: 03/2008
Controls: None

EMISSION UNIT 40: Aqueous Parts Cleaning
Description: One (1) 80 gallon agitating aqueous parts cleaner (Model #2778)
ConstructionCommenced: 08/2017
Controls: None

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

PRECLUDED REGULATIONS:
401 KAR 51:017, Prevention of significant deterioration of air quality

1. Operating Limitations:
   a. Each cleaner shall be equipped with a cover. If the solvent volatility is greater than fifteen (15) mm Hg measured at 100°F then the drainage facility shall be internal so that parts are enclosed under the cover while draining. The drainage facility may be external if the cabinet determines that an internal type cannot fit into the cleaning system. [401 KAR 59:185, Section 4(1)(a)]
   b. Each cleaner shall be equipped with a drainage facility so that solvent that drains off parts removed from the cleaner will return to the cleaner. If the solvent volatility is greater than thirty-two (32) mmHg measured at 100°F then the drainage facility shall be internal so that parts are enclosed under the over while draining. The drainage facility may be external if the cabinet determines that an internal type cannot fit into the cleaning system. [401 KAR 59:185, Section 4(1)(b)]
   c. A permanent, conspicuous label, summarizing the operating requirements specified in 401 KAR 59:185, Section 4(2) of this section shall be installed on or near each cleaner. [401 KAR 59:185, Section 4(1)(c)]
   d. If used, the solvent spray shall be a fluid stream, not a fine, atomized or shower type spray, and at a pressure that does not cause excessive splashing. [401 KAR 59:185, Section 4(1)(d)]
   e. If the solvent volatility is greater than thirty-two (32) mmHg measured at 100°F or if the solvent is heated above 120°F, then one (1) of the following control devices shall be used: [401 KAR 59:185, Section 4(1)(e)]
      i. Freeboard height that gives a freeboard ratio greater than or equal to seven-tenths (0.7);
      ii. Water cover, solvent shall be insoluble in and heavier than water; or
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

iii. Other systems of equivalent control, such as a refrigerated chiller or carbon adsorption.

f. Waste solvent shall not be disposed of or transferred to another party so that greater than twenty (20) percent by weight of the waste solvent can evaporate into the atmosphere. Waste solvent shall be stored only in covered containers. [401 KAR 59:185, Section 4(2)(a)]

g. The degreaser cover shall be closed if not handling parts in the cleaner. [401 KAR 59:185, Section 4(2)(b)]

h. Cleaned parts shall be drained for a minimum of fifteen (15) seconds, or until dripping ceases, whichever is longer. [401 KAR 59:185, Section 4(2)(c)]

i. The flushing of parts with a flexible hose or other flushing device shall be performed only within the freeboard area of the cold cleaner. The solvent flow shall be directed downward to avoid turbulence at the air-solvent interface so as to prevent the solvent from splashing outside of the cold cleaner. [401 KAR 59:185, Section 4(2)(d)]

j. Work area fans shall be positioned so that air is not directed across from splashing outside of the cold cleaner. [401 KAR 59:185, Section 4(2)(e)]

k. The use of an air-agitated solvent bath is prohibited. A pump-agitated solvent bath shall be operated so as to produce no observable splashing of the solvent against either the tank wall or the parts that are being cleaned. [401 KAR 59:185, Section 4(2)(f)]

l. The cold cleaner shall be free of all liquid leaks. Auxiliary cleaning equipment such as pumps, water separators, steam traps, or distillation units shall not have any visible leaks, tears, or cracks. [401 KAR 59:185, Section 4(2)(g)]

m. Spills that occur during solvent transfer shall be cleaned immediately. Wipe rags, or other absorbent equipment and materials, used to clean the spill shall be stored in a covered container for disposal unless storage of these items is prohibited by fire protection authorities. [401 KAR 59:185, Section 4(2)(h)]

2. Emission Limitations:
   a. Standards for VOCs. The permittee shall install, maintain and operate the control equipment and observe at all times the operating requirements that apply to this type of degreaser as specified in 401 KAR 59:185, Section 4. [401 KAR 59:185, Section 3]

   b. Refer to SECTION D for source wide VOC emission limitations to preclude 401 KAR 51:017, Prevention of significant deterioration of air quality.
SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

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

4. **Specific Monitoring Requirements:**
   a. The permittee shall calculate the monthly VOC emissions for comparison to the limits in SECTION D. [401 KAR 52:030, Section 10]
   b. The permittee shall monitor degreaser usage monthly. [401 KAR 52:030, Section 10]
   c. Refer to SECTION F for general monitoring requirements.

5. **Specific Recordkeeping Requirements:**
   a. The permittee shall maintain records of the following for each emission unit: [401 KAR 52:020, Section 10]
      a. The monthly usage rates of each of the degreasers;
      b. The calculated monthly and 12-month rolling total VOC emissions;
      c. The SDS for each degreaser used.
   b. Refer to SECTION F for general recordkeeping requirements.

6. **Specific Reporting Requirements:**
   a. The permittee shall include the calculated monthly and 12-month rolling VOC emissions, including the details of these calculations, in each semi-annual report. [401 KAR 52:020, Section 10]
   b. Refer to SECTION F for general reporting requirements.
**SECTION C – INSIGNIFICANT ACTIVITIES**

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:020, 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>
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<tbody>
<tr>
<td>1. Pneumatic conveying system and scrap aluminum baler</td>
<td>401 KAR 59:010</td>
</tr>
<tr>
<td>2. #15 Compound transfer station for 6179 Compound</td>
<td>401 KAR 63:020</td>
</tr>
<tr>
<td>3. #16 Compound transfer station for 9385 Compound</td>
<td>401 KAR 63:020</td>
</tr>
<tr>
<td>4. Mixing Tote for 6305 Water based compound</td>
<td>401 KAR 63:020</td>
</tr>
<tr>
<td>5. Eight (8) Roof Top Unit heaters – total 0.595 MMBTU/hr</td>
<td>401 KAR 59:010</td>
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<tr>
<td></td>
<td>401 KAR 63:020</td>
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<tr>
<td>6. Thirteen (13) natural gas space heaters – total 2.94 MMBTU/hr</td>
<td>401 KAR 59:010</td>
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<tr>
<td></td>
<td>401 KAR 63:020</td>
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SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the Cabinet Provisions and Procedures for Issuing 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. PM, Opacity, VOC, and HAP emissions, measured by applicable reference methods, or an equivalent or alternative method specified in 40 C.F.R. Chapter I, or by a test method specified in the state implementation plan shall not exceed the respective limitations specified herein.

3. Source-wide VOC emissions shall not exceed 225 tons/year based on a 12-month rolling total. [To preclude 401 KAR 51:017]

Compliance Demonstration Method:
   a. The permittee shall calculate source-wide VOC emissions each month using the equation below:

   \[ \sum_{n=1}^{N} \left( \frac{M_n \cdot \rho_n}{2000} \right) + IA_{VOC} = V_i \]

   \[ \sum_{i=1}^{12} V_i \leq 225 \text{ TPY} \]

   Where:
   \[ N \] = total number of compounds;
   \[ n \] = compound used at emission point;
   \[ M_n \] = total amount of compound n (lbs of compound used per month);
   \[ \rho_n \] = Percent by weight of VOC in compound n (lbs VOC/lb compound n used);
   \[ IA_{VOC} \] = Contributions of VOC from Insignificant Activities (IAs) for the month;
   \[ i \] = month; and
   \[ V_i \] = the total tons of VOC emissions in month i.

   Note: If the actual IA emissions are unknown, the PTE may be used in this equation.

   b. The permittee shall compare the results of the calculations above to the source-wide VOC emission limit. The permittee shall also monitor, record, and submit the results in accordance with 4. Specific Monitoring Requirements, 5. Specific Recordkeeping Requirements, and 6. Specific Reporting Requirements in SECTION B.
SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (CONTINUED)

4. Source-wide emissions of any single HAP shall not exceed 9 tons/year based on a 12-month rolling total and total HAPs shall not exceed 22.5 tons/year based on a 12-month rolling total. [To preclude major source status for HAP and 40 CFR 63, Subpart KKKK]

**Compliance Demonstration Method:**

a. The permittee shall calculate source-wide individual and combined HAP emissions each month using the equation below:

\[
\sum_{n=1}^{N} \frac{M_n \times \rho_n}{2000} = H_i
\]

\[
\sum_{i=1}^{12} H_i \leq 10 \text{ TPY, single HAP}
\]

\[
\sum_{i=1}^{12} H_i \leq 25 \text{ TPY, combined HAP}
\]

Where:

- \(N\) = total number of compounds;
- \(n\) = compound used at emission point;
- \(M_n\) = total amount of compound \(n\) (lbs of compound used per month);
- \(\rho_n\) = Percent by weight of HAP in compound \(n\) (lbs HAP/lb compound \(n\) used);
- \(i\) = month; and
- \(H_i\) = the total tons of HAP emissions in month \(i\).

b. The permittee shall compare the results of the calculations above to the source-wide HAP emission limits. The permittee shall also monitor, record, and submit the results in accordance with **4. Specific Monitoring Requirements**, **5. Specific Recordkeeping Requirements**, and **6. Specific Reporting Requirements** in SECTION B.
SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

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

1. Pursuant to Section 1b-IV-1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
   a. Date, place as defined in this permit, and time of sampling or measurements;
   b. Analyses performance dates;
   c. Company or entity that performed analyses;
   d. Analytical techniques or methods used;
   e. Analyses results; and
   f. Operating conditions during time of sampling or measurement.

2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five (5) years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Sections 1b-IV-2 and 1a-8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

3. In accordance with the requirements of 401 KAR 52:020, Section 3(1)h, the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
   a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
   b. To access and copy any records required by the permit:
   c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.
   Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.

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

5. Summary reports of any monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation [Sections 1b-V-1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

6. The semi-annual reports are due by January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:020, Section 23. If continuous emission and opacity monitors are required by regulation or this permit, data shall be reported in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All deviations from permit requirements shall be clearly identified in the reports.

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

8. The permittee shall promptly report deviations from permit requirements, including those attributable to upset conditions as defined in the permit, the probable cause of such deviations, and any corrective actions or preventive measures taken shall be submitted to the Regional Office listed on the front of this permit. Where the underlying applicable requirement contains a definition of prompt or otherwise specifies a time frame for reporting deviations, that definition or time frame shall govern. Where the underlying applicable requirement does not identify a specific time frame for reporting deviations, prompt reporting, as required by Sections 1b-V, 3 and 4 of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, Section 26, shall be defined as follows:
   a. For emissions of a hazardous air pollutant or a toxic air pollutant (as identified in an applicable regulation) that continue for more than an hour in excess of permit requirements, the report must be made within 24 hours of the occurrence.
   b. For emissions of any regulated air pollutant, excluding those listed in F.8.a., that continue for more than two hours in excess of permit requirements, the report must be made within 48 hours.
   c. All deviations from permit requirements, including those previously reported, shall be included in the semiannual report required by F.6.

9. Pursuant to 401 KAR 52:020, Title V permits, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
   a. Identification of the term or condition;
   b. Compliance status of each term or condition of the permit;
   c. Whether compliance was continuous or intermittent;
 SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

d. The method used for determining the compliance status for the source, currently and over the reporting period.

e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

f. The certification shall be submitted by January 30th of each year. Annual compliance certifications shall be sent to the following addresses:

Division for Air Quality  U.S. EPA Region 4  
Owensboro Regional Office  Air Enforcement Branch  
3032 Alvey Park Dr. W., Suite 700  Atlanta Federal Center  
Owensboro, KY 42303  61 Forsyth St.  
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 Reaplication 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-22-005.
SECTION G - GENERAL PROVISIONS (CONTINUED)

5. Testing Requirements

a. Pursuant to 401 KAR 50:045, Section 2, a source required to conduct a performance test shall submit a completed Compliance Test Protocol form, DEP form 6028, or a test protocol a source has developed for submission to other regulatory agencies, in a format approved by the cabinet, to the Division's Frankfort Central Office a minimum of sixty (60) days prior to the scheduled test date. Pursuant to 401 KAR 50:045, Section 7, the Division shall be notified of the actual test date at least thirty (30) days prior to the test.

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

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

6. Acid Rain Program Requirements

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.

c. 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

None

SECTION I - COMPLIANCE SCHEDULE

N/A