STATE OF MISSOURI

DEPARTMENT OF NATURAL RESOURCES

MISSOURI AIR CONSERVATION COMMISSION

PERMIT TO CONSTRUCT

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to construct the air contaminant source(s) described below, in accordance with the laws, rules and conditions as set forth herein.

Permit Number: 092010-002 Project Number: 2010-04-037
Parent Company: Sabreliner Corporation
Parent Company Address: 7733 Forsyth Boulevard Suite 1500, St. Louis, MO 63105
Installation Name: Sabreliner Corporation Perryville
Installation Address: 1390 Highway H, Perryville, MO 63775
Location Information: Perry County, S31, T36N, R11E

Application for Authority to Construct was made for: Installation of an aircraft hangar equipped with a paint stripping booth and paint spray booths. This review was conducted in accordance with Section (5), Missouri State Rule 10 CSR 10-6.060, Construction Permits Required.

☐ Standard Conditions (on reverse) are applicable to this permit.
☒ Standard Conditions (on reverse) and Special Conditions are applicable to this permit.

SEP - 1 2010
EFFECTIVE DATE

DIRECTOR OR DESIGNEE
DEPARTMENT OF NATURAL RESOURCES
STANDARD CONDITIONS:

Permission to construct may be revoked if you fail to begin construction or modification within two years from the effective date of this permit. Permittee should notify the Air Pollution Control Program if construction or modification is not started within two years after the effective date of this permit, or if construction or modification is suspended for one year or more.

You will be in violation of 10 CSR 10-6.060 if you fail to adhere to the specifications and conditions listed in your application, this permit and the project review. In the event that there is a discrepancy between the permit application and this permit, the conditions of this permit shall take precedence. Specifically, all air contaminant control devises shall be operated and maintained as specified in the application, associated plans and specifications.

You must notify the Departments’ Air Pollution Control Program of the anticipated date of start up of this (these) air contaminant sources(s). The information must be made available within 30 days of actual startup. Also, you must notify the Department of Natural Resources Regional office responsible for the area within which you are located within 15 days after the actual start up of this (these) air contaminant source(s).

A copy of this permit and permit review shall be kept at the installation address and shall be made available to Department of Natural Resources’ personnel upon request.

You may appeal this permit or any of the listed special conditions to the Administrative Hearing Commission (AHC), P.O. Box 1557, Jefferson City, MO 65102, as provided in RSMo 643.075.6 and 621.250.3. If you choose to appeal, you must file a petition with the AHC within 30 days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed. If it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the AHC.

If you choose not to appeal, this certificate, the project review and your application and associated correspondence constitutes your permit to construct. The permit allows you to construct and operate your air contaminant sources(s), but in no way relieves you of your obligation to comply with all applicable provisions of the Missouri Air Conservation Law, regulations of the Missouri Department of Natural Resources and other applicable federal, state and local laws and ordinances.

The Air Pollution Control Program invites your questions regarding this air pollution permit. Please contact the Construction Permit Unit at (573) 751-4817. If you prefer to write, please address your correspondence to the Missouri Department of Natural Resources, Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102-0176, attention: Construction Permit Unit.
SPECIAL CONDITIONS:
The permittee is authorized to construct and operate subject to the following special conditions:

The special conditions listed in this permit were included based on the authority granted the Missouri Air Pollution Control Program by the Missouri Air Conservation Law (specifically 643.075) and by the Missouri Rules listed in Title 10, Division 10 of the Code of State Regulations (specifically 10 CSR 10-6.060). For specific details regarding conditions, see 10 CSR 10-6.060 paragraph (12)(A)10. “Conditions required by permitting authority.”

Sabreliner Corporation Perryville
Perry County, S31, T36N, R11E

1. Superseding Condition
The conditions of this permit supersede special condition 2.A. found in the previously issued construction permit 042009-003 issued by the Air Pollution Control Program.

2. Emission Limitation

A. Sabreliner Corporation Perryville shall emit less than forty (40.0) tons of Volatile Organic Compounds (VOCs) in any consecutive 12-month period from the entire installation.

B. Sabreliner Corporation Perryville shall emit less than ten (10.0) tons individually and twenty-five (25.0) tons combined of Hazardous Air Pollutants (HAPs) in any consecutive 12-month period from the entire installation.

C. Sabreliner Corporation Perryville shall emit less than forty pounds (0.02 tons) of 1,6 hexamethylene diisocyanate (CAS# 822-06-0) in any consecutive 12-month period from the equipment in this permit (P-A3B & P-A3C).

D. The entire installation includes all equipment/processes installed or permitted at Sabreliner Corporation Perryville as of the effective date of this permit.

E. Attachment A, Attachment B, Attachment C, and Attachment D or equivalent forms, such as electronic forms, approved by the Air Pollution Control Program shall be used to demonstrate compliance with Special Conditions 2.A, 2.B, and 2.C.
SPECIAL CONDITIONS:
The permittee is authorized to construct and operate subject to the following special conditions:

3. Control Device Requirement - 3-Stage Filter Systems
   A. Sabreliner Corporation Perryville shall control emissions from the aircraft paint booth (P-A3B) and the small parts paint booth (P-A3C) using 3-Stage Filter Systems that are certified using EPA method 319 in Appendix A of 40 CFR 63 as specified in the permit application.
   
   B. The 3-Stage Filter Systems shall be operated and maintained in accordance with the manufacturer's specifications. The 3-Stage Filter Systems shall be equipped with a gauge or meter, which indicates the pressure drop across the control device. These gauges or meters shall be located such that the Department of Natural Resources employees may easily observe them.
   
   C. Replacement filters for the 3-Stage Filter Systems shall be kept on hand at all times. The filters shall be made of fibers appropriate for operating conditions expected to occur (i.e. temperature limits, acidic and alkali resistance, and abrasion resistance).
   
   D. Sabreliner Corporation Perryville shall monitor and record the operating pressure drop across the 3-Stage Filter Systems at least once every 24 hours. The operating pressure drop shall be maintained within the design conditions specified by the manufacturer's performance warranty.
   
   E. Sabreliner Corporation Perryville shall maintain an operating and maintenance log for the 3-Stage Filter Systems which shall include the following:
      1) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
      2) Maintenance activities, with inspection schedule, repair actions, and replacements, etc.

4. Record Keeping and Reporting Requirements
   A. Sabreliner Corporation Perryville shall maintain all records required by this permit for not less than five (5) years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request. These records shall include Material Safety Data Sheets (MSDS) for all materials used at the installation.
   
   B. Sabreliner Corporation Perryville shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, Missouri 65102, no later than ten days after the end of the month during which any record required by this permit shows an exceedance of a limitation imposed by this permit.
Sabreliner Corporation Perryville has applied for the authority to construct an aircraft hangar equipped with a paint stripping booth (P-A3A) and two paint spray booths (P-A3B and P-A3C).

Hazardous Air Pollutant (HAP) emissions are expected from the proposed equipment. HAPs of concern from the painting activities are chromium compounds, including strontium chromate (CAS# 7789-06-2), xylene (all isomers), toluene (CAS# 108-88-3), ethylbenzene (CAS# 100-41-4), and 1,6 hexamethylene diisocyanate (HDI) (CAS# 822-06-0).

None of the New Source Performance Standards (NSPS) apply to the proposed equipment.

None of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) apply to the proposed equipment.

The Maximum Achievable Control Technology (MACT) Standard, 40 CFR 63, Subpart GG, *National Emission Standards for Aerospace Manufacturing and Rework Facilities*, does not apply to the facility because it is not a major source of HAPs.


The MACT Standard, 40 CFR 63, Subpart WWWW, *National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Plating and Polishing Operations*, does not apply to the facility because they have no affected sources covered under the rule.
• 3-stage panel filters are being used to control the particulate matter less than 10 microns and 2.5 microns in diameter (PM$_{10}$ and PM$_{2.5}$) and particulate HAP emissions.

• This review was conducted in accordance with Section (5) of Missouri State Rule 10 CSR 10-6.060, Construction Permits Required. Potential emissions are conditioned below de minimis levels.

• This installation is located in Perry County, an attainment area for all criteria pollutants.

• This installation is not on the List of Named Installations found in 10 CSR 10-6.020(3)(B), Table 2. The installation's major source level is 250 tons per year and fugitive emissions are not counted toward major source applicability.

• Ambient air quality modeling was not performed since potential emissions of the application are below de minimis levels and potential emissions of HAPs are conditioned below the Screening Model Action Levels (SMAL).

• Emissions testing is not required for the equipment.

• An operating permit is not required for this installation.

• Approval of this permit is recommended with special conditions.

INSTALLATION DESCRIPTION

Sabreliner Corporation Perryville (Sabreliner) is an existing aircraft maintenance, repair and refurbishing installation. The facility is located at the Perryville Municipal Airport approximately 1.5 miles to the west of the intersection of Highway H and Highway 51 in Perry County. Activities at this installation include paint stripping, primer and top-coat application, parts washing, and engine testing.

Sabreliner’s actual emissions are de minimis, and the facility currently holds a basic state operating permit. However, permit number 042009-003 indicated that the potential emissions of VOCs were above major source levels. In order to avoid the requirement to obtain an Intermediate or Part 70 operating permit, Sabreliner has requested a facility-wide de minimis limit for VOC emissions. Therefore, a special condition of this permit is to limit the entire installation to less than de minimis levels, and Sabreliner may write to the Air Pollution Control Program and request that their basic state operating permit be terminated.

The following permits have been issued to Sabreliner from the Air Pollution Control Program.
Table 1: Permit History

<table>
<thead>
<tr>
<th>Permit Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>022001-013</td>
<td>Construction of Paint Booth</td>
</tr>
<tr>
<td>(Note: Permit Rescinded during Project 2002-01-025)</td>
<td></td>
</tr>
<tr>
<td>012008-006</td>
<td>Construction of Paint Booth</td>
</tr>
<tr>
<td>042009-003</td>
<td>Construction of Paint Booth</td>
</tr>
</tbody>
</table>

Construction permit number 022001-013 was rescinded after it was determined that the equipment was constructed prior to the May 13, 1982 applicability date for the construction permits rule.

PROJECT DESCRIPTION

Sabreliner has proposed to construct an aircraft refurbishing hangar equipped with an aircraft paint stripping booth (P-A3A), an aircraft paint spraying booth (P-A3B), and a small parts paint spraying booth (P-A3C). The hangar will be used to paint new aircraft (airplanes and helicopters) or refurbish existing aircraft for both the military and civilian markets. Table 2 below summarizes the typical process flow for refurbishing aircraft.

Table 2: Typical Process Flow (hours per aircraft)

<table>
<thead>
<tr>
<th>Steps</th>
<th>P-A3A Booth</th>
<th>P-A3B &amp; P-A3C Booths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mask/Apply Stripping Agent (Stripper)</td>
<td>12</td>
<td>N/A</td>
</tr>
<tr>
<td>Rinse/Sand</td>
<td>2</td>
<td>N/A</td>
</tr>
<tr>
<td>Apply Etchant &amp; Corrosion Protection</td>
<td>8</td>
<td>N/A</td>
</tr>
<tr>
<td>Mask for Primer</td>
<td>N/A</td>
<td>3</td>
</tr>
<tr>
<td>Primer Application/Cure</td>
<td>N/A</td>
<td>21</td>
</tr>
<tr>
<td>Rough Sand/Rinse</td>
<td>1</td>
<td>N/A</td>
</tr>
<tr>
<td>Mask for White Paint</td>
<td>N/A</td>
<td>3</td>
</tr>
<tr>
<td>White Paint Application/Cure</td>
<td>N/A</td>
<td>21</td>
</tr>
<tr>
<td>Rough Sand/Rinse</td>
<td>1</td>
<td>N/A</td>
</tr>
<tr>
<td>Mask for Orange Paint</td>
<td>N/A</td>
<td>3</td>
</tr>
<tr>
<td>Orange Paint Application/Cure</td>
<td>N/A</td>
<td>21</td>
</tr>
<tr>
<td>Rough Sand/Rinse</td>
<td>1</td>
<td>N/A</td>
</tr>
<tr>
<td>Mask for Black Paint</td>
<td>N/A</td>
<td>3</td>
</tr>
<tr>
<td>Black Paint Application/Cure</td>
<td>N/A</td>
<td>21</td>
</tr>
<tr>
<td>Rough Sand/Rinse</td>
<td>1</td>
<td>N/A</td>
</tr>
<tr>
<td>Mask for Emblem Paint</td>
<td>N/A</td>
<td>4</td>
</tr>
<tr>
<td>Emblem Paint Application/Cure</td>
<td>N/A</td>
<td>20</td>
</tr>
<tr>
<td>Final Sand/Rinse</td>
<td>4</td>
<td>N/A</td>
</tr>
<tr>
<td>Total (hours per plane)</td>
<td>26</td>
<td>120</td>
</tr>
</tbody>
</table>

N/A = Not Applicable

The stripper, etchant, and corrosion protection materials are applied in the paint stripping booth (P-A3A) and are hydraulically sprayed onto the aircraft and then rinsed.
off after sufficient residence time. Although the materials are applied with a spray application method, the hydraulic spray nozzle does not atomize the fluid and therefore no particulate emissions are associated with these activities. The stripper and etchant are both VOC-containing materials. The maximum application rates of 75 gallons stripper and 3 gallons etchant per aircraft were provided by Sabreliner and were based on the maximum amount of the materials used on the largest aircraft. According to Sabreliner, each paint stripping activity requires a minimum of 22 hours to allow for masking, stripper application, rinsing, sanding, etchant application, and corrosion protection application. Therefore the maximum hourly design rate for the paint stripping booth (P-A3A) was determined to be 3.41 gallons stripper per hour and 0.14 gallons etchant per hour. A maximum design rate for the corrosion protection material was not provided because the corrosion protection material contains no VOC compounds. Although the corrosion protection material contains the hazardous air pollutant, chromic acid, this is a particulate HAP and no particulate emissions are expected due to the non-atomizing spray application method.

Painting activities will occur in the aircraft paint booth (P-A3B) and the small parts paint booth (P-A3C). The purpose of the small parts paint booth is to paint the control surfaces of the aircraft (e.g. flaps and ailerons) that are more easily painted when they are removed from the aircraft frame. Since the small parts paint booth will not increase the throughput of finished aircraft, the two booths were considered one activity for the potential emissions calculations. Both primer and paint are applied in the painting booths (P-A3B and P-A3C). The primer is a two-part epoxy coating and the paints are two-part urethane coatings. The materials are mixed in a paint shaker and applied with a high volume low pressure (HVLP) spray gun. The maximum application rate of 6 gallons primer per aircraft was provided by Sabreliner and was based on the maximum amount of primer used on the largest aircraft. The primer coat is applied at twice the coating thickness of the paint; hence it is considered a worst case application rate for potential emissions calculations associated with the application of paint and primer. According to Sabreliner, each paint/primer application requires a minimum of 24 hours to allow for masking, spraying, and curing. Therefore, the maximum hourly design rate for the paint spray booths (P-A3B and P-A3C) was determined to be 0.25 gallons primer (or paint) per hour.

EMISSIONS/CONTROLS EVALUATION

Potential emissions of VOCs from the stripping and painting activities were calculated using a mass balance approach and assuming 100% emitted. Particulate emissions from the painting activities were calculated using a mass balance approach and assuming a 40% overspray. The painting activities occur in painting booths that are equipped with a 3-stage filter system that is certified using EPA method 319 in Appendix A of 40 CFR 63. The filter efficiencies were calculated for this project with filter efficiency data provided by the manufacturer and particle size distribution data obtained from a published study. Table 3 below contains a summary of this data and the corresponding filter efficiencies for PM$_{2.5}$, PM$_{10}$, and total particulate. The filter efficiency for total particulate was used to determine the control efficiency for the emissions of particulate HAPs, strontium chromate containing hexavalent chromium [Cr(VI)].

Table 3: 3-Stage Filter Control Efficiency
### Particle Size Distribution

<table>
<thead>
<tr>
<th>Particle Size (microns)</th>
<th>Particle Size Distribution (percent)</th>
<th>Particle Size Control Efficiency (percent)</th>
<th>PM$_{2.5}$ Weight$^3$</th>
<th>PM$_{10}$ Weight$^3$</th>
<th>Total PM Weight$^3$</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 0.5</td>
<td>1.93</td>
<td>86.68</td>
<td>0.19</td>
<td>0.05</td>
<td>0.02</td>
</tr>
<tr>
<td>0.5 - 1.0</td>
<td>1.33</td>
<td>95.12</td>
<td>0.13</td>
<td>0.03</td>
<td>0.01</td>
</tr>
<tr>
<td>1.0 - 2.0</td>
<td>1.03</td>
<td>97.93</td>
<td>0.10</td>
<td>0.03</td>
<td>0.01</td>
</tr>
<tr>
<td>2.0 – 3.5</td>
<td>5.62</td>
<td>99.53</td>
<td>0.57</td>
<td>0.14</td>
<td>0.06</td>
</tr>
<tr>
<td>3.5 – 6.0</td>
<td>11.60</td>
<td>99.96</td>
<td>N/A</td>
<td>0.28</td>
<td>0.12</td>
</tr>
<tr>
<td>6.0 - 10.0</td>
<td>19.22</td>
<td>100.00</td>
<td>N/A</td>
<td>0.47</td>
<td>0.19</td>
</tr>
<tr>
<td>&gt; 10.0</td>
<td>59.38</td>
<td>100.00</td>
<td>N/A</td>
<td>N/A</td>
<td>0.59</td>
</tr>
<tr>
<td>Percent of Total Distribution (%)</td>
<td>9.92</td>
<td>40.73</td>
<td>100.00</td>
<td>96.27</td>
<td>99.08</td>
</tr>
</tbody>
</table>

N/A = Not Applicable


$^2$Particle size specific control efficiencies obtained from the test report for the 3-stage filter system provided by the manufacturer and included the test results for method 319 in Appendix A of 40 CFR 63.

$^3$The weight represents the multiplication factor used to calculate the weighted average control efficiency.

$^4$The control efficiency is a weighted average based on the particle size distribution and the particle size control efficiency.

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### Potential emissions

Potential emissions of the application represent the potential of the new equipment, assuming continuous operation (8760 hours per year.) The following table provides an emissions summary for this project.

#### Table 4: Emissions Summary (tons per year)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>PM$_{10}$</td>
<td>15.0</td>
<td>N/D</td>
<td>0.21</td>
<td>0.013</td>
<td>N/A</td>
</tr>
<tr>
<td>PM$_{2.5}$</td>
<td>10.0</td>
<td>N/D</td>
<td>N/D</td>
<td>0.007</td>
<td>N/A</td>
</tr>
<tr>
<td>SO$_x$</td>
<td>40.0</td>
<td>N/D</td>
<td>0.24</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>NO$_x$</td>
<td>40.0</td>
<td>N/D</td>
<td>0.27</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VOC</td>
<td>40.0</td>
<td>&gt;250</td>
<td>14.29</td>
<td>65.207</td>
<td>&lt;40.0</td>
</tr>
<tr>
<td>CO</td>
<td>100.0</td>
<td>N/D</td>
<td>0.58</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>HAPs</td>
<td>10.0/25.0</td>
<td>&lt;10.0/25.0</td>
<td>1.36</td>
<td>1.305</td>
<td>&lt;10.0/25.0</td>
</tr>
</tbody>
</table>

**Individual HAPs**

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>SMAL</th>
<th>Existing Potential Emissions</th>
<th>Existing Actual Emissions</th>
<th>Potential Emissions of the Application</th>
<th>Project Conditioned Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chromium (VI)</td>
<td>0.002</td>
<td>N/D</td>
<td>N/D</td>
<td>3.80E-04</td>
<td>N/A</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>10.0</td>
<td>N/D</td>
<td>N/D</td>
<td>0.072</td>
<td>N/A</td>
</tr>
<tr>
<td>Xylene</td>
<td>10.0</td>
<td>N/D</td>
<td>N/D</td>
<td>0.480</td>
<td>N/A</td>
</tr>
<tr>
<td>HDI</td>
<td>0.02</td>
<td>N/D</td>
<td>N/D</td>
<td>0.032</td>
<td>&lt;0.02</td>
</tr>
<tr>
<td>Toluene</td>
<td>10.0</td>
<td>N/D</td>
<td>N/D</td>
<td>0.720</td>
<td>N/A</td>
</tr>
</tbody>
</table>

$^i$Existing potential emissions obtained from permit number 042009-003
PERMIT RULE APPLICABILITY

This review was conducted in accordance with Section (5) of Missouri State Rule 10 CSR 10-6.060, Construction Permits Required. Potential emissions are conditioned below de minimis levels.

APPLICABLE REQUIREMENTS

Sabreliner Corporation Perryville shall comply with the following applicable requirements. The Missouri Air Conservation Laws and Regulations should be consulted for specific record keeping, monitoring, and reporting requirements. Compliance with these emission standards, based on information submitted in the application, has been verified at the time this application was approved.

GENERAL REQUIREMENTS

- Submission of Emission Data, Emission Fees and Process Information, 10 CSR 10-6.110
  The emission fee is the amount established by the Missouri Air Conservation Commission annually under Missouri Air Law 643.079(1). Submission of an Emissions Inventory Questionnaire (EIQ) is required June 1 for the previous year's emissions.

- Restriction of Emission of Odors, 10 CSR 10-3.090

SPECIFIC REQUIREMENTS


STAFF RECOMMENDATION

On the basis of this review conducted in accordance with Section (5), Missouri State Rule 10 CSR 10-6.060, Construction Permits Required, I recommend this permit be granted with special conditions.

Kathi Jantz
Environmental Engineer

Date

PERMIT DOCUMENTS

The following documents are incorporated by reference into this permit:

- The Application for Authority to Construct form, dated April 5, 2010, received April 12, 2010, designating Sabreliner Corporation as the owner and operator of the installation.


- Material Safety Data Sheets
### Attachment A – Monthly VOC Compliance Worksheet

Sabreliner Corporation Perryville
Perry County, S31, T36N, R11E
Project Number: 2010-04-037
Installation ID Number: 157-0002
Permit Number: _______

This sheet covers the month of _____________ in the year _____________.

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Column 2</th>
<th>Column 3 (a)</th>
<th>Column 4</th>
<th>Column 5 (b)</th>
<th>Column 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material Used (Name)</td>
<td>Emission Unit Description/ID</td>
<td>Amount of Material Used (Include Units)</td>
<td>Density (Pounds per Gallon)</td>
<td>VOC Content (Weight %)</td>
<td>VOC Emissions (Tons)</td>
</tr>
<tr>
<td>-------------</td>
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</tr>
</tbody>
</table>

(c) Total VOC Emissions Calculated for this Month in Tons:

(d) Last Month's 12-Month VOC Emissions Total, in Tons:

(e) Previous Year’s Monthly VOC Emissions Total, in Tons:

(f) Current 12-month Total of VOC Emissions in Tons: [(c) + (d) - (e)]

**Instructions:** This worksheet must include VOC emissions from all emission units installed or permitted at the time of permit issuance.

(a) 1) If usage is in tons - [Column 3] x [Column 5] = [Column 6];
    2) If usage is in pounds - [Column 3] x [Column 5] x [0.0005] = [Column 6];
    3) If usage is in gallons - [Column 3] x [Column 4] x [Column 5] x [0.0005] = [Column 6];

(b) VOC content should be obtained from the Material Safety Data Sheet (MSDS). If the content is given as a range, then the maximum value should be used.

(c) Summation of [Column 6] in Tons;

(d) 12-Month VOC emissions (f) from last month's Attachment A in Tons;

(e) Monthly VOC emissions total (c) from the previous year’s Attachment A in Tons; and

(f) Calculate the new 12-month VOC emissions total. A 12-Month VOC emissions total (f) of less than **40.0** tons for the installation indicates compliance.
### Attachment B – Monthly Individual HAPs Compliance Worksheet

**Sabreliner Corporation Perryville**  
Perry County, S31, T36N, R11E  
Project Number: 2010-04-037  
Installation ID Number: 157-0002  
Permit Number: ________

HAP Name: ___________________________  CAS No.: ______________

This sheet covers the month of _______________ in the year _______________.

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Column 2</th>
<th>Column 3 (a)</th>
<th>Column 4</th>
<th>Column 5 (b)</th>
<th>Column 6 (c)</th>
<th>Column 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material Used (Name)</td>
<td>Emission Unit Description/ID</td>
<td>Amount of Material Used (Include Units)</td>
<td>Density (Pounds per Gallon)</td>
<td>HAP Content (Weight %)</td>
<td>Control Efficiency Factor</td>
<td>HAP Emissions (Tons)</td>
</tr>
</tbody>
</table>

(d) Total Individual HAP Emissions Calculated for this Month in Tons:

(e) Last Month’s 12-Month Individual HAP Emissions Total, in Tons:

(f) Previous Year’s Monthly Individual HAP Emissions Total, in Tons:

(g) Current 12-month Total of Individual HAP Emissions in Tons: [(d) + (e) - (f)]

**Instructions:** This worksheet must include HAP emissions from all emission units installed or permitted at the time of permit issuance. Complete a new worksheet for each individual HAP.

(a) 1) If usage is in tons - [Column 3] x [Column 5] x [Column 6] = [Column 7];  
2) If usage is in pounds - [Column 3] x [Column 5] x [Column 6] x [0.0005] = [Column 7];  
3) If usage is in gallons - [Column 3] x [Column 4] x [Column 5] x [Column 6] x [0.0005] = [Column 7];

(b) HAP content should be obtained from the Material Safety Data Sheet (MSDS) and should represent the total mass of the HAP compound by weight. If the content is given as a range, then the maximum value should be used.

(c) For particulate HAPs (e.g. chromium compounds) controlled with a 3-stage filter system, the control efficiency factor = 0.0026; For all VOC HAPs and uncontrolled particulate HAPs, the control efficiency factor = 1

(d) Summation of [Column 7] in Tons;

(e) 12-Month Individual HAP emissions (g) from last month's Attachment B in Tons;

(f) Monthly Individual HAP emissions total (d) from the previous year's Attachment B in Tons; and

(g) Calculate the new 12-month Individual HAP emissions total. A 12-Month Individual HAP emissions total (g) of less than 10.0 tons for each individual HAP indicates compliance.
This sheet covers the month of ________________ in the year ________________.

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Column 2</th>
<th>Column 3 (a)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individual HAP Name</td>
<td>Individual HAP CAS number</td>
<td>Total Individual Monthly HAP emissions (tons)</td>
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</tbody>
</table>

(b) Total Combined HAP Emissions Calculated for this Month, in Tons:

(c) Previous Month’s 12-Month HAP Emissions Total, in Tons:

(d) Previous Year’s Monthly HAP Emissions Total, in Tons:

(e) Current 12-month Total of HAP Emissions in Tons: [(b) + (c) - (d)]:

Instructions: This worksheet must include HAP emissions from all emission units installed or permitted at the time of permit issuance. Obtain information for Column 1 and Column 2 and Column 3 from Attachment B
(a) Record the total monthly individual HAP emissions total from (d) from the current month’s Attachment B
(b) Summation of [Column 3] in Tons;
(c) Record the previous 12-Month combined HAP emission total (e) from last month's Attachment C, in Tons;
(d) Record the monthly HAP emission total (b) from previously year's Attachment C, in Tons; and
(e) Calculate the new 12-month combined HAP emissions total. A 12-Month Combined HAP emissions total (e) of less than 25.0 tons for the installation indicates compliance.
Attachment D – Monthly HDI Compliance Worksheet

Sabreliner Corporation Perryville
Perry County, S31, T36N, R11E
Project Number: 2010-04-037
Installation ID Number: 157-0002
Permit Number: ________

This sheet covers the month of __________________ in the year ________________.

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Column 2 (a)</th>
<th>Column 3</th>
<th>Column 4 (b)</th>
<th>Column 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material Used in P-A3B &amp; P-A3C Booths (Name)</td>
<td>Amount of Material Used (Include Units)</td>
<td>Density (Pounds per Gallon)</td>
<td>HDI Content (Weight %)</td>
<td>HDI Emissions (Tons)</td>
</tr>
</tbody>
</table>

(c) Total Individual HDI Emissions Calculated for this Month in Tons:

(d) Last Month’s 12-Month Individual HDI Emissions Total, in Tons:

(e) Previous Year’s Monthly Individual HDI Emissions Total, in Tons:

(f) Current 12-month Total of Individual HDI Emissions in Tons: [(c) + (d) - (e)]

Instructions: This worksheet must include HDI emissions from all materials used with the following emission units: P-A3B & P-A3C.

(a) 1) If usage is in tons - [Column 2] x [Column 4] = [Column 5];
2) If usage is in pounds - [Column 2] x [Column 4] x [0.0005] = [Column 5];
3) If usage is in gallons - [Column 2] x [Column 3] x [Column 4] x [0.0005] = [Column 5];

(b) HDI content should be obtained from the Material Safety Data Sheet (MSDS) and should represent the total mass of the HDI compound by weight. If the content is given as a range, then the maximum value should be used.

(c) Summation of [Column 6] in Tons;

(d) 12-Month Individual HDI emissions (f) from last month’s Attachment D in Tons;

(e) Monthly Individual HDI emissions total (c) from the previous year’s Attachment D in Tons; and

(f) Calculate the new 12-month Individual HDI emissions total. A 12-Month Individual HDI emissions total (e) of less than 0.02 tons for the equipment in this permit (P-A3B & P-A3C).