SCAQMD Rule 1147 Frequently Asked Questions (FAQs)

How do I determine if my spray booth is subject to Rule 1147?

Unless specifically exempt from the rule, any combustion equipment that is not exempt from a permit and is not subject to a source-specific NOx limit is subject to Rule 1147.

If uncertain, you can contact SCAQMD Small Business Assistance Office at (800) 388-2121 or ask for SCAQMD Compliance at (909) 396-2000 to be connected to the team that is responsible for inspecting your business. Alternatively, you can request feedback from the local gas utility or your consultant to help evaluate your equipment and process.

How do I determine if my spray booth has NOx emission less than 1 pound per day?

Several options are available:

1. For spray booths rated between 325,000 to 1,200,000 BTU/HR, refer to Table 1 for low use limits
2. Standard natural gas usage is less than 7,692 standard cubic feet per day (Consult local gas utility)
3. Call the Combustion Hotline at (909)-396-3419 to inquire on the calculations estimating your maximum permitted emissions (potential to emit)
4. Refer to past emission tests to estimate daily emissions

Is a list of companies that perform emissions testing available?

The SCAQMD does provide a list of companies that are prequalified. Just go to http://www.aqmd.gov -> “Business Programs” -> “Laboratory Approval”

When is my spray booth subject to Rule 1147 emission limits?

All new permitted spray booths rated at ≥325,000 BTU/HR are required to demonstrate compliance with the NOx emission limit. Existing permitted units with emissions less than 1 pound per day must demonstrate compliance with the emission limit at 35 years of age, when the combustion system is modified or replaced, or when the spray booth burner is replaced. However, there are a number of options available in the rule to delay compliance dates. These options for delaying compliance dates are found in the following sections of Rule 1147: (c)(15) and (c)(16) for < 1 pound/day units, and (c)(14) for any applicable units.

Is there an alternative compliance option for operators of multiple pieces of applicable equipment?

Yes there is! Owners or operators of facilities with three or more in-use spray booths required to demonstrate compliance with the emission limit within two consecutive calendar years may submit an alternate compliance plan to phase-in compliance of all units. The compliance plan shall be submitted at least 270 days prior to the date the first unit is required to demonstrate compliance. For more information, please refer to Rule 1147(c)(14)(A).
**TABLE 1:**

<table>
<thead>
<tr>
<th>Unit Rating (BTU/Hour)</th>
<th>Daily Hour Limit</th>
<th>Monthly Hour Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>325,000 to 400,000</td>
<td>16</td>
<td>352</td>
</tr>
<tr>
<td>400,001 to 500,000</td>
<td>14</td>
<td>308</td>
</tr>
<tr>
<td>500,001 to 800,000</td>
<td>8</td>
<td>176</td>
</tr>
<tr>
<td>800,001 to 1,000,000</td>
<td>6</td>
<td>132</td>
</tr>
<tr>
<td>1,000,001 to 1,200,000</td>
<td>5</td>
<td>110</td>
</tr>
</tbody>
</table>

**MAKE-UP AIR HEATER** means a UNIT used to heat incoming air in order to maintain the temperature of a spray booth, container, room or other enclosed space and to provide breathable air for a person who may be present during operation.

**TABLE 2:**

<table>
<thead>
<tr>
<th>Equipment Category</th>
<th>NOx Emission Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Make-Up Air Heater or other Air Heater located outside of building with temperature controlled zone inside building</td>
<td>30 ppm or 0.036 lb/mmBtu heats input</td>
</tr>
</tbody>
</table>

**TABLE 3:**

<table>
<thead>
<tr>
<th>Unit with Emissions ≥1 Pound/Day</th>
<th>Submit Permit Application</th>
<th>Unit Shall Be in Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spray booth make-up heater manufactured after 1997</td>
<td>December 1 of the year prior to the compliance date</td>
<td>July 1 of the year the unit is 15 years old</td>
</tr>
</tbody>
</table>

**PAINT SPRAY BOOTH WITH MAKE-UP AIR HEATER** (Burner rating of ≥325,000 BTU/HR)

**In-Use** (operation at the current location prior to January 1, 2010)

**New** (operation at the current location after January 1, 2010)

Shall meet the applicable emission limit* at the time a district permit is required

Emissions <1 Lbs/Day

(See Table 1)

**SHALL MEET THE**

Shall meet the applicable emission limit* on or before July 1, 2020

Became 35 years old on or before July 1, 2018

Becomes 35 years old after July 1, 2018

Keep records on-site documenting emission test results, unit certification, or burner manufacturer guarantee and SCAQMD approval of applicable compliance demonstration

**COMPLIANCE FLOW CHART**

* Refer to table for rule emission limit.