

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT**  
**Best Available Control Technology (BACT) Guideline**

**Source Category**

<b>Source:</b>	<i>Polystyrene Foam Product Manufacturing Operations (Blowing Agent Usage)</i>	<b>Revision:</b>	<i>1</i>
		<b>Document #:</b>	<i>130.1.1</i>
<b>Class:</b>	<i>Foam Sheet Extrusion and Thermoforming of Foam Sheet for Food Packaging/Service Products</i>	<b>Date:</b>	<i>6/30/99</i>

**Determination**

<b>POLLUTANT</b>	<b>BACT</b> 1. Technologically Feasible/ Cost Effective 2. Achieved in Practice	<b>TYPICAL TECHNOLOGY</b>
<b>POC</b>	1. <i>n/d</i> 2. <i>No emissions from blowing agent losses during manufacturing or from the finished foam product<sup>a</sup></i>	1. <i>n/d</i> 2. <i>Use of non-VOC blowing agent (e.g. HFC-152a or carbon dioxide) to process resins.<sup>a</sup></i>
<b>NO<sub>x</sub></b>	1. <i>n/a</i> 2. <i>n/a</i>	1. <i>n/a</i> 2. <i>n/a</i>
<b>SO<sub>2</sub></b>	1. <i>n/a</i> 2. <i>n/a</i>	1. <i>n/a</i> 2. <i>n/a</i>
<b>CO</b>	1. <i>n/a</i> 2. <i>n/a</i>	1. <i>n/a</i> 2. <i>n/a</i>
<b>PM<sub>10</sub></b>	1. <i>n/a</i> 2. <i>n/a</i>	1. <i>n/a</i> 2. <i>n/a</i>
<b>NPOC</b>	1. <i>n/a</i> 2. <i>Minimize use of blowing agents</i>	1. <i>n/a</i> 2. <i>Good operating practice</i>

**References**

*a. BAAQMD interoffice memorandum "New BACT Guideline for Polystyrene Foam Sheet Manufacturing Operations - Blowing Agent Usage" dated 6/16/99 from B. Young to W. deBoisblanc, Director of Permit Services. A note to District staff: the interoffice memorandum is saved as P:\general\bgypolystyr.doc.*