

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

**Source Category**

Source:	Hot Mix Asphalt, Drum Mix Facilities	Revision:	1
		Document #:	10A.1
Class:	All	Date:	03/06/01

**Determination**

POLLUTANT	BACT 1. Technologically Feasible/ Cost Effective 2. Achieved in Practice	TYPICAL TECHNOLOGY
POC	1. Afterburner w/ $\geq 0.3$ sec. retention time at $\geq 1400^{\circ}F^{a,T}$ 2. n/s	1. BAAQMD Approved Design and Operation <sup>a</sup> 2. Good Combustion Practice <sup>a</sup>
NO <sub>x</sub>	1. n/d 2. 12 ppmv @ 15% O <sub>2</sub> Dry <sup>a,b,c</sup>	1. n/d 2. Natural Gas + Low NO <sub>x</sub> Combustion System <sup>a,b,c</sup>
SO <sub>2</sub>	1. n/d 2. Natural gas <sup>a,b,c</sup>	1. n/d 2. Fuel Selection <sup>a,b,c</sup>
CO	1. n/d 2. 133 ppmv @ 15% O <sub>2</sub> Dry <sup>a,b,c</sup>	1. n/d 2. Good Combustion Practice <sup>a,c</sup>
PM <sub>10</sub>	1. n/d 2. $\leq 0.01$ gr/dscf <sup>a,T</sup>	1. n/d 2. Baghouse <sup>a,T</sup>
NPOC	1. n/a 2. n/a	1. n/a 2. n/a

**References**

a. BAAQMD  
b. BACT is 12 ppmvd NO<sub>x</sub> @ 15% O<sub>2</sub> and 265 ppmvd CO @ 15% O<sub>2</sub> regardless of fuel. However, for special situations such as temporary operations and/or remote locations where natural gas is not available, liquefied petroleum gas or fuel oil  $\leq 0.05$  wt. % sulfur may be permitted to emit at higher levels as specified below:  
1). "Temporary operations" using exclusively liquefied petroleum gas shall not remain at any single plant for a period in excess of 12 consecutive months, following the date of initial operation, and may be permitted up to 38 ppmvd NO<sub>x</sub> @ 15% O<sub>2</sub> and 265 ppmvd CO @ 15% O<sub>2</sub>. [Basis: Monterey Bay United APCD A/C #10287]  
2). "Temporary operations" using exclusively fuel oil  $\leq 0.05$  wt. % sulfur shall not remain at any single plant for a period in excess of 3 consecutive months, following the date of initial operation, and may be permitted up to 55 ppmvd NO<sub>x</sub> @ 15% O<sub>2</sub> and 265 ppmvd CO @ 15% O<sub>2</sub>. [Basis: Reference a. above]  
3). For remote locations where natural gas is not available, liquefied petroleum gas may be permitted up to 38 ppmvd NO<sub>x</sub> @ 15% O<sub>2</sub> and 265 ppmvd CO @ 15% O<sub>2</sub> and fuel oil  $\leq 0.05$  wt. % sulfur may be permitted up to 55 ppmvd NO<sub>x</sub> @ 15% O<sub>2</sub> and 265 ppmvd CO @ 15% O<sub>2</sub>. [Basis: Monterey Bay APCD A/C #10287 and Reference a. above]  
c. BAAQMD A #17860  
T. TBACT