

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

**Source Category**

Source:	Coffee Roasting	Revision:	2
		Document #:	47.1.1
Class:	< 110,000 Btu/hr	Date:	03/03/92

**Determination**

POLLUTANT	BACT 1. Technologically Feasible/ Cost Effective 2. Achieved in Practice	TYPICAL TECHNOLOGY
POC	1. Afterburner ( $\geq 0.3$ sec. retention time at $\geq 1200^{\circ}F$ ); or catalytic afterburner ( $\geq 550^{\circ}F$ ) <sup>a,b,T</sup> 2. n/d	1. BAAQMD Approved Design and Operation <sup>b</sup> 2. n/d
NOx	1. Natural gas firing with combustion modifications <sup>a,b</sup> 2. Natural gas firing <sup>a,b</sup>	1. BAAQMD Approved Design and Operation <sup>b</sup> 2. Fuel Selection <sup>b</sup>
SO <sub>2</sub>	1. Natural gas firing <sup>b</sup> 2. Natural gas firing <sup>b</sup>	1. Fuel Selection <sup>b</sup> 2. Fuel Selection <sup>b</sup>
CO	1. n/d 2. n/s	1. n/d 2. Good Combustion Practice <sup>b</sup>
PM <sub>10</sub>	1. Natural gas firing with baghouse and afterburner ( $\geq 0.3$ sec retention time at $\geq 1400^{\circ}F$ ) <sup>a,b,T</sup> 2. Natural gas firing with cyclone <sup>b</sup>	1. BAAQMD Approved Design and Operation <sup>b</sup> 2. BAAQMD Approved Design and Operation <sup>b</sup>
NPOC	1. n/a 2. n/a	1. n/a 2. n/a

**References**

- a. SCAQMD Guideline  
b. BAAQMD  
T. TBACT