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

Source Category

Source:	**Boiler**	**Revision:**	**4**
		Document #:	**17.2.1**
Class:	**≥33.5 MMBtu/hr to <50 MMBtu/hr Heat Input**	**Date:**	**08/04/10**

Determination

Pollutant	BACT 1. Technologically Feasible/ Cost Effective 2. Achieved in Practice	TYPICAL TECHNOLOGY
POC	1. n/d 2. n/s	1. n/d 2. Good Combustion Practice[a]
NOx	1. n/d 2. n/d	1. Low NO_x Burners + Flue Gas Recirculation + Selective Catalytic Reduction[a] 2. Low NO_x Burners + Flue Gas Recirculation[a]
SO_2	1. Natural Gas or Treated Refinery Gas Fuel w/ ≤.50 ppmv Hydrogen Sulfide and ≤100 ppmv Total Reduced Sulfur [a] 2. Natural Gas or Treated Refinery Gas Fuel w/ ≤100 ppmv Total Reduced Sulfur [a]	1. Fuel Selection[a] 2. Fuel Selection[a]
CO	1. n/d 2. 100 ppmv @ 3% O_2 Dry[a,d]	1. n/d 2. Good Combustion Practice[a]
PM_{10}	1. n/d 2. Natural Gas or Treated Refinery Gas Fuel [a]	1. n/d 2. Fuel Selection[a]
NPOC	1. n/a 2. n/a	1. n/a 2. n/a

References

a.	BAAQMD
c.	NO_x determination by BAAQMD Source Test Method ST-13A or B (average of three 30-minute sampling runs); or Continuous Emission Monitor (3-hour average); or BAAQMD approved equivalent.
d.	CO determination by BAAQMD Source Test Method ST-6 (average of three 30 minute sampling runs); or Continuous Emission Monitor (3-hour average), or BAAQMD approved equivalent.