

BAY AREA AIR QUALITY MANAGEMENT DISTRICT Best Available Control Technology (BACT) Guideline
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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
NO_x	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
SO₂	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
PM₁₀	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.