

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

Source Category

Source:	<i>Boiler or Water Heater - Landfill or Digester Gas</i>	Revision:	2
		Document #:	17.5.1
Class:	<i>All</i>	Date:	04/21/93

Determination

POLLUTANT	BACT 1. Technologically Feasible/ Cost Effective 2. Achieved in Practice	TYPICAL TECHNOLOGY
POC	1. n/d 2. Automatic combustion air control and retention time ≥ 0.3 sec. at $\geq 1600^{\circ}F$	1. n/d 2. BAAQMD Approved Design and Operation ^b
NO_x	1. 20 ppm @ 3% O ₂ , Dry ^b 2. 40 ppm @ 3% O ₂ , Dry ^{b,c}	1. Selective Non-Catalytic Reduction (SNCR) Technologies listed below ^b 2. Low NO ₂ , Burners + Flue Gas Recirculation + Reduced Air Preheat ^b
SO₂	1. n/s 2. n/d	1. Spray Dryer + Baghouse; or Fuel Gas Pretreatment System ^a 2. n/d
CO	1. n/d 2. 100 ppmv @ 3% O ₂ Dry ^{b,c}	1. n/d 2. Good Combustion Practice in Minimal Gas Bypassing in Furnace ^a
PM₁₀	1. n/s 2. n/s	1. Baghouse or Electrostatic Precipitator 2. Fuel Gas Filter
NPOC	1. n/a 2. n/a	1. n/a 2. n/a

References

b. BAAQMD
c. County of Los Angeles Sanitation District