

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

Source Category

Source:	Steam Generator - Oil Field	Revision:	3
		Document #:	162.3.1
Class:	≥50 MMBtu/hr Heat Input	Date:	12/16/91

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. 9 ppmv @ 3% O ₂ Dry ^a 2. 25 ppmv @ 3% O ₂ Dry ^a	1. Selective catalytic Reduction (SCR) + Low NO _x Burners + Flue Gas Recirculation ^a 2. Low NO _x Burners + Flue Gas Recirculation ^{a,b}
SO ₂	1. n/d 2. Natural gas fuel or treated refinery gas w/ <100 ppmv total reduced sulfur ^a	1. n/d 2. Fuel Selection ^a
CO	1. 50 ppmv @ 3% O ₂ Dry ^a 2. 100 ppmv @ 3% O ₂ Dry ^a	1. Good Combustion Practice in Conjunction w/ Selective Catalytic Reduction (SCR) System ^a 2. Good Combustion Practice ^a
PM ₁₀	1. n/d 2. Natural gas fuel 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
b. CARB/CAPCOA Clearinghouse