

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

Source Category

Source:	Gas Turbine - Landfill Gas-Fired	Revision:	1
		Document #:	89.3.1
Class:	All	Date:	06/17/99

Determination

POLLUTANT	BACT 1. Technologically Feasible/ Cost Effective 2. Achieved in Practice	TYPICAL TECHNOLOGY
POC	1. n/a 2. n/a	1. n/a 2. n/a
NOx	1. n/d 2. 25 ppmv @15% O2 ^{a,b}	1. n/d 2. water or steam injection, or low-NOx turbine design ^{a,b}
SO₂	1. n/d 2. 150 ppmv sulfur limit as H ₂ S ^{a,b}	1. n/d 2. Fuel Selection ^{a,b}
CO	1. n/d 2. 200 ppmv @ 15% O ₂ ^{a,b}	1. n/d 2. Good Combustion Practice ^{a,b}
PM₁₀	1. n/d 2. Fuel Gas Pretreatment ^{a,b,c}	1. n/d 2. a strainer, filter, gas/liquid separator, or equivalent particulate removal device ^{a,b,c}
NPOC	1. n/a 2. n/a	1. n/a 2. n/a

References

- a. BAAQMD A #19620
- b. BAAQMD interoffice memorandum "BACT Guideline for the Vasco Road Sanitary Landfill's Proposed Gas Turbine (Application #19620, Plant #5095)" dated 6/17/99 from B. Young to W. deBoisblanc, Director of Permit Services. A note to District staff: the interoffice memorandum is saved as P:\general\bg\landturb.doc.
- c. SCAQMD BACT Guideline for Landfill Gas-Fired Turbines dated 4/5/90.