

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

Source Category

Source:	<i>Gas Turbine</i>	Revision:	<i>1</i>
		Document #:	<i>89.1.1</i>
Class:	<i>Simple Cycle (< 2.0 Megawatts)</i>	Date:	<i>08/28/00</i>

Determination

POLLUTANT	BACT 1. Technologically Feasible/ Cost Effective 2. Achieved in Practice	TYPICAL TECHNOLOGY
POC	1. <i>n/d</i> 2. <i>5.0 ppmv, Dry @ 15%O₂^a</i>	1. <i>n/d</i> 2. <i>Catalytic Combustor^a</i>
NOx	1. <i>5.0 ppmv, Dry @ 15% O₂^a</i> 2. <i>9.0 ppmv, Dry @ 15%O₂^b</i>	1. <i>Catalytic Combustor, or High-Temperature SCR + Combustion Modifications^a</i> 2. <i>Combustion Modifications (e.g. dry low-NOx combustors)^b</i>
SO ₂	1. <i>Natural Gas Fuel^{a,b}</i> 2. <i>Natural Gas Fuel^{a,b}</i>	1. <i>Fuel Selection^{a,b}</i> 2. <i>Fuel Selection^{a,b}</i>
CO	1. <i>n/d</i> 2. <i>10 ppmv, Dry @ 15% O₂^{a,b}</i>	1. <i>n/d</i> 2. <i>Catalytic Combustor^{a,b}</i>
PM ₁₀	1. <i>Natural Gas Fuel^{a,b}</i> 2. <i>Natural Gas Fuel^{a,b}</i>	1. <i>Fuel Selection^{a,b}</i> 2. <i>Fuel Selection^{a,b}</i>
NPOC	1. <i>n/a</i> 2. <i>n/a</i>	1. <i>n/a</i> 2. <i>n/a</i>

References

- a. Application # 18547, Genxon Power Systems, LLC.*
b. Guidance for Power Plant Siting and Best Available Control Technology, CalEPA Air Resources Board, Stationary Source Division, September 1999.