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

Source Category

Source:	***Gas Turbine***	Revision:	***1***
		Document #:	***89.1.3***
Class:	***Simple Cycle (> = 40 Megawatts)***	Date:	***07/18/03***

Determination

POLLUTANT	BACT 1. Technologically Feasible/ Cost Effective 2. Achieved in Practice	TYPICAL TECHNOLOGY
POC	1. *n/d* 2. *2.0 ppmv, Dry @ 15%O_2* [a-g]	1. *n/d* 2. *Oxidation Catalyst* [a-g]
NOx	1. *n/d* 2. *2.5 ppmv, Dry @ 15%O_2* [a-e]	1. [n/d] 2. *High Temperature SCR + Water or Steam Injection* [a-e]
SO_2	1. *Natural Gas Fuel* [a-g] 2. *Natural Gas Fuel* [a-g]	1. *Exclusive use of CPUC-regulated grade natural gas* [a-g] 2. *Exclusive use of CPUC-regulated grade natural gas* [a-g]
CO	1. *n/d* 2. *6.0 ppmv, Dry @15% O_2* [a-g]	1. *n/d* 2. *Oxidation Catalyst* [a-g]
PM_{10}	1. *Natural Gas Fuel* [a-g] 2. *Natural Gas Fuel* [a-g]	1. *Exclusive use of CPUC-regulated grade natural gas* [a-g] 2. *Exclusive use of CPUC-regulated grade natural gas* [a-g]
NPOC	1. *n/a* 2. *n/a*	1. *n/a* 2. *n/a*

References

a. Application #2540, Creed Energy Center
b. Application #2541, Lambie Energy Center
c. Application #2542, Goose Haven Energy Center
d. Application #5371, Wolfskill Energy Center
e. Application #5412, Riverview Energy Center
f. Guidance for the Permitting of Electrical Generation Technologies, CalEPA Air Resources Board, Stationary Source Division, July 2002
g. Guidance for Power Plant Siting and Best Available Control Technology, CalEPA Air Resources Board, Stationary Source Division, September 1999.