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

Source Category

Source:	***Gas Turbine***	Revision:	***1***
		Document #:	***89.1.5***
Class:	***Combined Cycle (> = 2.0 MW and < 40 MW)***	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,b]	1. *n/d* 2. *Oxidation Catalyst* [a,b]
NOx	1. *2.5 ppmv, Dry @ 15%O_2* [a] *(achieved in practice for >12 MW)*[a] 2. *5.0 ppmv, Dry @ 15%O_2* [a,b]	1. *SCR + Water or Steam Injection; or SCONOx* [a] 2. *SCR + Water or Steam Injection* [a,b]
SO_2	1. *Natural Gas Fuel* [a] 2. *Natural Gas Fuel* [a]	1. *Fuel Selection* [a] 2. *Fuel Selection* [a]
CO	1. *n/d* 2. *6.0 ppmv, Dry @15% O_2* [a,b]	1. *n/d* 2. *Oxidation Catalyst* [a,b]
PM_{10}	1. *Natural Gas Fuel* [a] 2. *Natural Gas Fuel* [a,b]	1. *Fuel Selection* [a] 2. *Fuel Selection* [a,b]
NPOC	1. *n/a* 2. *n/a*	1. *n/a* 2. *n/a*

References

a. Guidance for the Permitting of Electrical Generation Technologies, CalEPA Air Resources Board, Stationary Source Division, July 2002
b. Application #10962, UCSF Cogeneration Plant