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

Source Category

Source:	***Ethylene Oxide Sterilization/Aeration***	Revision:	***1***
		Document #:	***63.1***
Class:	***All***	Date:	***10/25/91***

Determination

POLLUTANT	BACT 1. Technologically Feasible/ Cost Effective 2. Achieved in Practice	TYPICAL TECHNOLOGY
POC	1. *<0.2 ppm*[a] 2. *≥99.9% sterilizer exhaust stream emissions reduction: ≥99% aerator exhaust stream emissions reduction*[a]	1. *Sealed Recovery System Process*[a] 2. *Afterburner (≥0.3 sec retention time at ≥1400°F); or Catalytic Afterburner (≥280°F and <500°F); or Chemical Scrubber*[a,c]
NOx	1. *n/a* 2. *n/a*	1. *n/a* 2. *n/a*
SO_2	1. *n/a* 2. *n/a*	1. *n/a* 2. *n/a*
CO	1. *n/a* 2. *n/a*	1. *n/a* 2. *n/a*
PM_{10}	1. *n/a* 2. *n/a*	1. *n/a* 2. *n/a*
NPOC	1. *<0.2 ppm*[a] 2. *≥99.9% sterilizer exhaust stream emissions reduction: ≥95% aerator exhaust stream emissions reduction*[a]	1. *Sealed Recovery System Process*[a] 2. *Catalytic Afterburner (≥280°F and >500°F); or Catalytic Scrubber*[a,c]

References

a. BAAQMD

c. Afterburner not appropriate with CFC's