

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

Source Category

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

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 ^o F); or Catalytic Afterburner (≥280 ^o F and <500 ^o F); or Chemical Scrubber ^{a,c}
NO _x	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 ^o F and >500 ^o F); or Catalytic Scrubber ^{a,c}

References

a. BAAQMD

c. Afterburner not appropriate with CFC's