



Richard E. Dunn, Director

Air Protection Branch

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MEMORANDUM

TO: Sean Taylor
THROUGH: Daniel McCain
FROM: Ray Shen
SUBJECT: SOURCE TEST REPORT REVIEW

The following test has been reviewed and was conducted in an acceptable fashion for the purpose intended.

COMPANY NAME	Sterilization Services of Georgia				
COMPANY ADDRESS	Atlanta, GA				
SOURCE TESTED	Fugitive Emissions (FE1 AAT Scrubber)				
POLLUTANT DETERMINED	Ethylene Oxide				
REPORT REVIEWED BY	Ray Shen				
TEST WITNESSED BY	Bob Scott, Ray Shen				
DATE(S) OF TEST	April 22, 2022				
DATE RECEIVED BY APB	June 2, 2022				
APPLICABLE REQUIREMENT	Permit 3841-121-0010-S-03-0				
MAXIMUM EXPECTED OPERATING CAPACITY					
OPERATING CAPACITY					
ALLOWABLE EMISSION RATE(S)	N/A				
CONTROL EQUIPMENT AND MONITORING DATA	FE1 AAT Scrubber includes (4) dry bed cells (2000 ACFM per dry bed cell), an exhaust fan, a motorized roof vent and a pressure deferential sensor. It captured and reduced fugitive EtO emissions from Zone 1. See test report for site map.				
TEST RUN #		1	2	4	AVERAGE
GAS TEMPERATURE (°F)	INLET	73.3	79.6	89.5	
	OUTLET	74.2	78.0	84.8	
GAS MOISTURE (%)	INLET	1.44	1.54	1.58	
	OUTLET	1.49	1.65	1.75	
GAS FLOW RATE (ACFM)	INLET	6440	6477	6570	
	OUTLET	6678	6609	6597	
GAS FLOW RATE (DSCFM)	INLET	6159	6115	6088	
	OUTLET	6297	6177	6082	
POLLUTANT CONCENTRATION (PPM)	INLET	5.35	0.799	1.29	2.48
	OUTLET	0.0147	0.0158	0.0158	0.0154
EMISSION RATE (LB/HR)	INLET	0.226	0.03356	0.0537	0.104
	OUTLET	0.000636	0.000668	0.000661	0.000655
DESTRUCTION EFFICIENCY (%)	98.8				
OTHER INFORMATION	There is no required destruction efficiency for fugitive emission in air permit. All (3) outlet results were below the minimum detectable limit. The minimum detection limit was used to calculate the concentration and emission rate for all runs.				

cc: Sean Taylor
AIRS Number: 121-00010

Reference Number: 202200485
Printed: 13-Jun-2022