



# GEORGIA

DEPARTMENT OF NATURAL RESOURCES

## ENVIRONMENTAL PROTECTION DIVISION

**Richard E. Dunn, Director**

**Air Protection Branch**

4244 International Parkway, Suite 120  
Atlanta, Georgia 30354  
404-363-7000

**MEMORANDUM:**

TO: Stephen Damaske  
THROUGH: Daniel McCain  
FROM: Ray Shen  
SUBJECT: SOURCE TEST REPORT REVIEW

The following test has been reviewed and was not conducted in an acceptable fashion as indicated below.

COMPANY NAME	Sterilization Services of Georgia
COMPANY LOCATION	Atlanta, GA
SOURCE TESTED	Scrubber EP4
POLLUTANT DETERMINED	Ethylene Oxide
REPORT REVIEWED BY	Ray Shen
TEST WITNESSED BY	Marie Miller, Ray Shen
DATE(S) OF TEST	March 10, 2020
DATE RECEIVED BY APB	May 26, 2020
MAXIMUM EXPECTED OPERATING CAPACITY	34 UNITS
OPERATING CAPACITY	N/AV UNITS
ALLOWABLE EMISSION RATE	99.0 % DRE
APPLICABLE REGULATION	Permit 3841-121-0010-S-03-0; Condition 2.4 and 40 CFR 63.362
CONTROL EQUIPMENT AND MONITORING DATA	See Appendix K of test report.

TEST RUN #		1	2	3	AVERAGE
GAS TEMPERATURE (°F)	Inlet				
	Outlet	57.8	60.6	58.1	
GAS MOISTURE (%)	Inlet				
	Outlet	1.60	1.37	1.43	
GAS FLOW RATE (ACFM)	Inlet				
	Outlet	138	104	84	
GAS FLOW RATE (DSCFM)	Inlet				
	Outlet	138	103	83	
POLLUTANT CONCENTRATION (PPMVD @ 15% O2)	Inlet				
	Outlet	136.1	31.1	46.1	71.1
EMISSION RATE (LB/HR)	Inlet	67.2	119.9	137.8	108.3
	Outlet	0.199	0.0483	0.0631	0.103
DESTRUCTION EFFICIENCY (%)		99.904			



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OTHER INFORMATION

The result is indeterminate since tester had not received approval from EPA to use Method 320 at the time the test was conducted.

40 CFR 63.362 requires testing with an empty sterilization chamber. It requires sampling to start at 1st evacuation of sterilization chamber. Both conditions were not met.

Max. Capacity = 34 pallets (units) in all three sterilization chambers. Sterilization Chamber #1 and #3 are 1,537.5 cu. ft. (13 pallets) in vol. Sterilization chamber #2 is 1,012.7 cu. ft. (8 pallets) in vol.