



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: Joshua Pittman
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 LOCATION	Atlanta, GA					
SOURCE TESTED	Aeration (Anquil Thermal Oxidizer)					
POLLUTANT DETERMINED	Ethylene Oxide					
REPORT REVIEWED BY	Joshua Pittman					
TEST WITNESSED BY	Marie Miller, Ray Shen					
DATE(S) OF TEST	February 24, 2021					
DATE RECEIVED BY APB	April 27, 2021					
MAXIMUM EXPECTED OPERATING CAPACITY	220 UNITS					
OPERATING CAPACITY	46 UNITS					
ALLOWABLE EMISSION RATE	99.0 % DRE					
APPLICABLE REGULATION	Permit 3841-121-0010-S-03-0, condition 2.5. 40 CFR 63.362					
CONTROL EQUIPMENT AND MONITORING DATA	Oxidizer bed temperature: 284 deg F. See Appendix K of test report.					
	TEST RUN #	1	2	3	AVERAGE	
GAS TEMPERATURE (°F)	Inlet	100.8	102.5	102.8		
	Outlet	176.2	180.7	185.0		
GAS MOISTURE (%)	Inlet	0.951	0.991	0.985		
	Outlet	1.19	1.23	1.22		
GAS FLOW RATE (ACFM)	Inlet	6139	6165	6166		
	Outlet	9891	9551	9805		
GAS FLOW RATE (DSCFM)	Inlet	5519	5524	5522		
	Outlet	7899	7572	7721		
POLLUTANT CONCENTRATION (PPM)	Inlet	26.2389	23.1917	19.9989		23.1431
	Outlet	0.0301	0.0351	0.0272		0.0308
EMISSION RATE (LB/HR)	Inlet	0.9934	0.8787	0.7575	0.8765	
	Outlet	0.00163	0.00182	0.00144	0.00163	
DESTRUCTION EFFICIENCY (%)	99.814					
OTHER INFORMATION	N/A					