



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	Fugitive Emissions (FE1 AAT Scrubber)
POLLUTANT DETERMINED	Ethylene Oxide
REPORT REVIEWED BY	Joshua Pittman
TEST WITNESSED BY	Marie Miller, Ray Shen
DATE(S) OF TEST	February 25, 2021
DATE RECEIVED BY APB	April 27, 2021
MAXIMUM EXPECTED OPERATING CAPACITY	N/A
OPERATING CAPACITY	N/A
ALLOWABLE EMISSION RATE	N/A
APPLICABLE REGULATION	Permit 3841-121-0010-S-03-0
CONTROL EQUIPMENT AND MONITORING DATA	N/A

TEST RUN #		1	2	4	AVERAGE	
GAS TEMPERATURE (°F)	Inlet	68.9	75.2	80.6		
	Outlet	68.1	71.9	77.0		
GAS MOISTURE (%)	Inlet	0.858	0.888	0.932		
	Outlet	0.862	0.951	0.986		
GAS FLOW RATE (ACFM)	Inlet	5931	6590	6622		
	Outlet	6229	6867	6883		
GAS FLOW RATE (DSCFM)	Inlet	5634	6184	6149		
	Outlet	5853	6401	6353		
POLLUTANT CONCENTRATION (PPM)	Inlet	0.857	1.704	0.200		0.920
	Outlet	0.0156	0.0098	0.0085		0.0113
EMISSION RATE (LB/HR)	Inlet	0.0331	0.0723	0.00844	0.03794	
	Outlet	0.000628	0.000429	0.000370	0.000475	
DESTRUCTION EFFICIENCY (%)	97.784					

OTHER INFORMATION: Run 4 at the inlet and all runs at the outlet were below detection limit. The detection limit was used for calculations.

For FE1 testing, the sterilization chambers were being unloaded.