



# 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	Sterigenics U.S. LLC
COMPANY LOCATION	Atlanta, GA
SOURCE TESTED	AAT Scrubber - Aeration
POLLUTANT DETERMINED	Ethylene Oxide
REPORT REVIEWED BY	Joshua Pittman
TEST WITNESSED BY	Ray Shen, Bob Scott
DATE(S) OF TEST	June 24, 2020
DATE RECEIVED BY APB	July 27, 2020
MAXIMUM EXPECTED OPERATING CAPACITY	N/A
OPERATING CAPACITY	N/A
ALLOWABLE EMISSION RATE	N/A
APPLICABLE REGULATION	Permit amendment 7389-067-0093-S-05-3, condition 2.4
CONTROL EQUIPMENT AND MONITORING DATA	AAT Scrubber Temperature: 123 deg F pH: 0.8 Glycol: 33.4%

TEST RUN #		1	2	3	AVERAGE
GAS TEMPERATURE (°F)	Inlet				
	Outlet	99.8	102.4	104.8	
GAS MOISTURE (%)	Inlet				
	Outlet	2.9162	2.9911	3.0406	
GAS FLOW RATE (ACFM)	Inlet				
	Outlet	11464	11537	11390	
GAS FLOW RATE (DSCFM)	Inlet	9048	9208	9228	
	Outlet	10099	10140	10032	
POLLUTANT CONCENTRATION (PPB)	Inlet				0
	Outlet	<5.40	<8.60	11.9	<8.63
EMISSION RATE (LB/HR)	Inlet	<0.442	<0.433	<0.395	<0.423
	Outlet	<0.000386	<0.000617	<0.000848	<0.000617

DESTRUCTION EFFICIENCY (%)	99.85
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OTHER INFORMATION	The inlet emission rate is a combination of streams from the outlet of the Ceilcote scrubber and the aeration/backvent system.  Some measurements were below the minimum detectable concentration (MDC). For those data points, the MDC was used in calculating the averages.
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