



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 - Backvents
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	EPD Letter dated 10/9/2019
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	103.7	103.7	103.7	
GAS MOISTURE (%)	Inlet				
	Outlet	2.9843	2.9843	2.9843	
GAS FLOW RATE (ACFM)	Inlet				
	Outlet	11509	11509	11509	
GAS FLOW RATE (DSCFM)	Inlet	9264	9264	9264	
	Outlet	10136	10136	10136	
POLLUTANT CONCENTRATION (PPB)	Inlet				
	Outlet	21.9	15.3	<11.1	<16.1
EMISSION RATE (LB/HR)	Inlet	<0.699	1.10	1.15	<0.983
	Outlet	0.00157	0.00109	<0.000794	<0.001151
DESTRUCTION EFFICIENCY (%)	99.88				

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.



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