## **ENVIRONMENTAL PROTECTION DIVISION**

## David B. Dove, Interim Director

## **Air Protection Branch**

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

## **MEMORANDUM**

TO: William Fleming
THROUGH: Daniel McCain
FROM: Joanna Pecko

**SUBJECT:** SOURCE TEST REPORT REVIEW

The following test has been reviewed and was conducted in an acceptable fashion for the purpose intended.

The felletting teet has bee	in reviewed and	i was conducted in an acceptab	ic lastillott for the purpose if	iteriaca.	
COMPANY NAME		Sterilization Services of Georgia			
COMPANY ADDRESS		Atlanta, GA			
SOURCE TESTED		Chamber 2 - Chemroxx Scrubber			
POLLUTANT DETERMINED		Ethylene Oxide			
REPORT REVIEWED BY		Joanna Pecko			
TEST WITNESSED BY		N/A			
DATE(S) OF TEST		March 15, 2023			
DATE RECEIVED BY APB		May 30, 2023			
APPLICABLE REQUIREMENT		Permit No. 3841-121-0010-S-03-0; Condition 2.4			
MAXIMUM EXPECTED ( CAPACITY	OPERATING				
OPERATING CAPACITY					
ALLOWABLE EMISSION RATE(S)		99.0 % DRE			
CONTROL EQUIPMENT AND MONITORING DATA		Liquid Glycol % (Before/After) = 28.8/28.8 See Appendix K of test report.			
TEST RUN #		1	2	3	AVERAGE
GAS TEMPERATURE	INLET				
°F)	OUTLET	64.2	70.9	65.3	
GAS MOISTURE (%)	INLET				
	OUTLET	1.87	1.25	1.21	
GAS FLOW RATE (ACFM)	INLET				
	OUTLET	75.2	120.6	79.8	
GAS FLOW RATE (DSCFM)	INLET				
	OUTLET	73.0	116.4	77.8	
POLLUTANT CONCENTRATION	INLET				
PPM)	OUTLET	0.033	4.789	0.729	1.850
EMISSION RATE	INLET	2.211	2.326	2.700	2.412
(LB/MIN)	OUTLET	0.00000272	0.000637	0.0000065	0.000023490
DESTRUCTION EFFICIENCY (%)		99.9990			
OTHER INFORMATION		Inlet emission rate is based on the amount of ethylene oxide charged to the sterilization chamber.			

cc: William Fleming Reference Number: 202300420
AIRS Number: 121-00010 Printed: 26-Jul-2023