

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.

COMPANY NAME		Sterilization Services of Georgia			
COMPANY ADDRESS		Atlanta, GA			
SOURCE TESTED		Aeration - Anguil TO			
POLLUTANT DETERMINED		Ethylene Oxide			
REPORT REVIEWED BY		Joanna Pecko			
TEST WITNESSED BY		N/A			
DATE(S) OF TEST		March 17, 2023			
DATE RECEIVED BY APB		May 30, 2023			
APPLICABLE REQUIREMENT		Permit No. 3841-121-0010-S-03-0; Condition 2.5			
MAXIMUM EXPECTED OPERATING CAPACITY					
OPERATING CAPACITY					
ALLOWABLE EMISSION RATE(S)		99.0 % DRE			
CONTROL EQUIPMENT AND MONITORING DATA		Catalytic Oxidizer's bed temp. = 360 degree F. See Appendix K of test report.			
TEST RUN #		1	2	3	AVERAGE
GAS TEMPERATURE (°F)	INLET	85.4	85.3	87.0	
	OUTLET	198	199	199	
GAS MOISTURE (%)	INLET	1.62	1.71	1.77	
	OUTLET	1.78	1.87	1.92	
GAS FLOW RATE (ACFM)	INLET	6727	6723	6724	
	OUTLET	9318	9368	9386	
GAS FLOW RATE (DSCFM)	INLET	6211	6203	6180	
	OUTLET	7119	7142	7145	
POLLUTANT CONCENTRATION (PPM)	INLET	13.64	12.58	11.26	12.49
	OUTLET	0.101	0.044	0.077	0.074
EMISSION RATE (LB/HR)	INLET	0.581	0.535	0.477	0.531
	OUTLET	0.005	0.002	0.004	0.003
DESTRUCTION EFFICIENCY (%)		99.3			
OTHER INFORMATION		49 pallets were in Aeration Rooms during test.			