



Richard E. Dunn, Director

Air Protection Branch

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MEMORANDUM

TO: Sean Taylor
THROUGH: Daniel McCain
FROM: Ray Shen
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	Anguil Catalytic Oxidizer - Aeroation Room (Stack ID EP5)				
POLLUTANT DETERMINED	Ethylene Oxide				
REPORT REVIEWED BY	Ray Shen				
TEST WITNESSED BY	N/A				
DATE(S) OF TEST	April 21, 2022				
DATE RECEIVED BY APB	June 2, 2022				
APPLICABLE REQUIREMENT	Permit 3841-121-0010-S-03-0; Condition 2.5 and 40 CFR 63.362				
MAXIMUM EXPECTED OPERATING CAPACITY	220 UNITS				
OPERATING CAPACITY	92 UNITS				
ALLOWABLE EMISSION RATE(S)	99.0 % DRE				
CONTROL EQUIPMENT AND MONITORING DATA	Catalytic Oxidizer's bed temp. = 286 degree F. See Appendix K of test report.				
TEST RUN #		1	2	3	AVERAGE
GAS TEMPERATURE (°F)	INLET	97.8	98.1	97.4	
	OUTLET	183	181	176	
GAS MOISTURE (%)	INLET	1.81	1.78	1.73	
	OUTLET	2.10	2.08	2.04	
GAS FLOW RATE (ACFM)	INLET	8574	8679	8576	
	OUTLET	10584	10706	70815	
GAS FLOW RATE (DSCFM)	INLET	7801	7896	7817	
	OUTLET	8417	8535	8698	
POLLUTANT CONCENTRATION (PPM)	INLET	49.1	47.8	40.8	45.9
	OUTLET	0.336	0.178	0.142	0.218
EMISSION RATE (LB/HR)	INLET	2.63	2.59	2.19	2.47
	OUTLET	0.0194	0.0104	0.00845	0.0127
DESTRUCTION EFFICIENCY (%)	99.5				
OTHER INFORMATION	Catalysts was replaced in 4/2020. (92) pallets were in Aeration Rooms during test. Three Aeration Rooms (AR) are connected to this oxidizer.				

cc: Sean Taylor
AIRS Number: 121-00010

Reference Number: 202200484
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