



# GEORGIA

DEPARTMENT OF NATURAL RESOURCES

## ENVIRONMENTAL PROTECTION DIVISION

**Richard E. Dunn, Director**

**Air Protection Branch**

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**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	KPR U.S., LLC d/b/a Kendall Patient Recovery U.S., LLC
COMPANY LOCATION	Augusta, GA
SOURCE TESTED	Catalytic Oxidizer
POLLUTANT DETERMINED	Ethylene Oxide
REPORT REVIEWED BY	Joshua Pittman
TEST WITNESSED BY	Joshua Pittman
DATE(S) OF TEST	March 11, 2020 to March 13, 2020
DATE RECEIVED BY APB	April 27, 2020
MAXIMUM EXPECTED OPERATING CAPACITY	N/A
OPERATING CAPACITY	N/A
ALLOWABLE EMISSION RATE	99 % DRE
APPLICABLE REGULATION	Permit 3842-245-0109-S-05-0, condition 2.4
CONTROL EQUIPMENT AND MONITORING DATA	N/A

TEST RUN #		1	2	3	AVERAGE
GAS TEMPERATURE (°F)	Inlet				
	Outlet	173.4	166.2	165.6	
GAS MOISTURE (%)	Inlet				
	Outlet	1.92	2.13	2.12	
GAS FLOW RATE (ACFM)	Inlet				
	Outlet	9919	8905	8244	
GAS FLOW RATE (DSCFM)	Inlet	8192	7381	6846	
	Outlet	8192	7381	6846	
POLLUTANT CONCENTRATION (PPM)	Inlet	266.41	316.24	409.64	330.76
	Outlet	0.394	0.242	0.075	0.237
EMISSION RATE (LB/HR)	Inlet	14.97	16.01	19.24	16.74
	Outlet	0.0221	0.0123	0.0035	0.0126

DESTRUCTION EFFICIENCY (%)	99.92
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OTHER INFORMATION

The facility has two types of sterilization cycles: a 9.5 hour cycle, and a 19 hour cycle. Testing occurred during the 3.5 hour period when ethylene oxide is vented to the control equipment as part of the 19 hour sterilization cycle.

The flow rate in dry standard terms was assumed to be equal at the inlet and outlet of the control device.