



GEORGIA

DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Richard E. Dunn, Director

Air Protection Branch

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MEMORANDUM:

TO: Karen Hays
THROUGH: Richard Taylor
FROM: Sid Stephens
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	Sterilization Chamber B (Source Code SB)					
POLLUTANT DETERMINED	Ethylene Oxide					
REPORT REVIEWED BY	Sid Stephens					
TEST WITNESSED BY	Not Witnessed					
DATE(S) OF TEST	December 3, 2010					
DATE RECEIVED BY APB	January 24, 2011					
MAXIMUM EXPECTED OPERATING CAPACITY	118 LB/Batch					
OPERATING CAPACITY	113 LB/Batch					
ALLOWABLE EMISSION RATE	99 % DRE					
APPLICABLE REGULATION	Permit No. 3842-245-0109-S-04-0; Condition 2.3 (40 CFR 63 Subpart O and Avoidance of 40 CFR Part 70)					
CONTROL EQUIPMENT AND MONITORING DATA	Catalytic Oxidizer (Source Code CO): Inlet Bed Temperature = 319 degrees F; Outlet Bed Temperature = 320 degrees F					
	TEST RUN #	1	2	3	AVERAGE	
GAS TEMPERATURE (°F)	Inlet					
	Outlet	175	178	173		
GAS MOISTURE (%)	Inlet					
	Outlet	0.93	0.94	1.14		
GAS FLOW RATE (ACFM)	Inlet					
	Outlet	11837	11700	11801		
GAS FLOW RATE (DSCFM)	Inlet					
	Outlet	9754	9568	9712		
POLLUTANT CONCENTRATION (PPM)	Inlet	126215	123494	120768		123492
	Outlet	0.899	0.843	0.571		0.77
EMISSION RATE (LB/HR)	Inlet					
	Outlet	0.061	0.056	0.038	0.052	
DESTRUCTION EFFICIENCY (%)	99.9994					
OTHER INFORMATION	<p>Destruction efficiency calculated on ppm basis due to explosive nature of the oxidizer inlet gas. Destruction and removal efficiency includes a EtO recovery system followed by a peak-shaver absorber and then a catalytic oxidizer.</p> <p>Operating capacity noted above is the weight of Ethylene Oxide charged to Sterilization Chamber A.</p>					