



# GEORGIA

DEPARTMENT OF NATURAL RESOURCES

## ENVIRONMENTAL PROTECTION DIVISION

Richard E. Dunn, Director

### Air Protection Branch

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

MAY 15 2018

MAY 16 2018

### MEMORANDUM:

TO: Northeast District (Athens) District  
THROUGH: Daniel McCain *DM*  
FROM: Marcus Cureton *MC f. MC*  
SUBJECT: SOURCE TEST REPORT REVIEW

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

COMPANY NAME	C R Bard Inc Madison Operation			
COMPANY LOCATION	Madison, GA			
SOURCE TESTED	Sterilization Vessel			
POLLUTANT DETERMINED	Ethylene Oxide			
REPORT REVIEWED BY	Marcus Cureton			
TEST WITNESSED BY	Marcus Cureton			
DATE(S) OF TEST	January 26, 2018			
DATE RECEIVED BY APB	March 29, 2018			
MAXIMUM EXPECTED OPERATING CAPACITY	24 UNITS			
OPERATING CAPACITY	24 UNITS			
ALLOWABLE EMISSION RATE	99 % DRE			
APPLICABLE REGULATION	Permit No. 3841-211-0021-S-03-0, Condition 2.3			
CONTROL EQUIPMENT AND MONITORING DATA	RTO-1 Chamber temperature: 1449.2 deg. F			
<b>TEST RUN #</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>AVERAGE</b>
GAS TEMPERATURE (°F)	Inlet			
	Outlet	237.9	221.3	209.6
GAS MOISTURE (%)	Inlet			
	Outlet	3.7	4.2	4.4
GAS FLOW RATE (ACFM)	Inlet			
	Outlet			
GAS FLOW RATE (DSCFM)	Inlet			
	Outlet	18000	18700	18600
POLLUTANT CONCENTRATION (PPM)	Inlet			
	Outlet	0.7	0.7	0.7
EMISSION RATE (LB/MIN)	Inlet	3.8947	3.675	3.974
	Outlet	0.0000206	0.0000214	0.0000212
DESTRUCTION EFFICIENCY (%)	99.9995			
OTHER INFORMATION	N/A			