



# 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	BD (Becton, Dickinson and Company)
COMPANY LOCATION	Covington, GA
SOURCE TESTED	Dry Bed System 2 (SYS2)
POLLUTANT DETERMINED	Ethylene Oxide
REPORT REVIEWED BY	Joshua Pittman
TEST WITNESSED BY	Joshua Pittman
DATE(S) OF TEST	April 2, 2020
DATE RECEIVED BY APB	May 6, 2020
APPLICABLE REGULATION	EPD Consent Order dated October 28, 2019

### MEMORANDUM

The facility was testing the performance of new dry bed systems intended to control fugitive emissions from the facility. System 2 controls fugitive emissions from the work in progress areas where sterilized product is stored prior to shipment.

	Concentration (micrograms/m <sup>3</sup> )	Flow (dscm)	Mass rate (lb/hr)
Inlet 1	990	8156.4	0.0302
Inlet 2	1400	8781.0	0.0461
Inlet 3	0.57	9386.9	0.1477
Inlet 4	0.57	9352.3	0.0490
Inlet 5	0.57	9854.6	0.0886
Inlet 6	0.57	12431.5	0.0792
Outlet	1.50	67955.6	0.0050

DRE: 99%

Based on the outlet emission rate, annual emissions would be 43.48 lb/year, assuming 8760 operating hours in a year.