



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

MEMORANDUM:

TO: Stephen Damaske
 THROUGH: Daniel McCain
 FROM: Marcus Cureton
 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 Global Distribution Center
COMPANY LOCATION	Covington, GA
SOURCE TESTED	Dry Bed Fugitive Control System
POLLUTANT DETERMINED	Ethylene Oxide
REPORT REVIEWED BY	Marcus Cureton
TEST WITNESSED BY	Ray Shen, Marcus Cureton
DATE(S) OF TEST	December 31, 2020
DATE RECEIVED BY APB	February 16, 2021
APPLICABLE REGULATION	N/A

MEMORANDUM

BD has a system for the capture and control of potential fugitive emissions of ethylene oxide that may exit the Global Distribution Center in Covington, GA. The equipment includes three discrete systems comprised of 50 Advanced Air Technologies Model DR490 Dry Bed Scrubbers.

Air flow rates at three zones of the inlet ducts and the outlet ducts were measured. Samples from the flows of all three inlet ducts and the exhaust duct were drawn into summa canisters. Results are below.

	CONC. (ug/m ³)	FLOW (dscfm)	EMISSION RATE (lb/hr)
Zone 2 Inlet	210	44,613	0.0035
Zone 3 Inlet	1100	33,756	0.139
Zone 5 Inlet	110	14,591	0.006
Outlet	36.5	103,337	0.014

DRE of Dry Bed System is 92.16%.