



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 not conducted in an acceptable fashion as indicated below.

| | |
|-----------------------|--|
| COMPANY NAME | BD (Becton, Dickinson and Company) |
| COMPANY LOCATION | Covington, GA |
| SOURCE TESTED | Dry Bed System 1 (SYS1) |
| 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 1 controls fugitive emissions from the sterilization vessel rooms, the vessel to aeration transfer corridor, and the ethylene oxide dispensing room.

| | Concentration (micrograms/m ³) | Flow (dscm) | Mass rate (lb/hr) |
|--------|--|-------------|-------------------|
| Inlet | 0.57 | 22717.7 | 4.85E-05 |
| Outlet | 1.50 | 33141.1 | 1.86E-04 |

DRE: -283.9%

It is unclear why outlet concentration is higher than the inlet concentration. A re-test has already been scheduled. Based on the outlet emission rate, annual emissions would only be 1.63 lb/year, assuming 8760 operating hours in a year.