



GEORGIA

DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

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Air Protection Branch

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MEMORANDUM:

TO: Stephen Damaske
THROUGH: Daniel McCain
FROM: Marie Miller
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	System SYS2
POLLUTANT DETERMINED	Ethylene Oxide
REPORT REVIEWED BY	Marie Miller
TEST WITNESSED BY	Bob Scott, Ray Shen
DATE(S) OF TEST	March 26, 2021
DATE RECEIVED BY APB	May 28, 2021
APPLICABLE REGULATION	EPD Consent Order dated October 28, 2019

MEMORANDUM

System 2 (SYS2) captures emissions from the Work in Process Area (WIP1). Samples were collected into Summa Canisters using EPA Method TO-15 and analyzed via GC/MS in Selective Ion Monitoring (SIM) Mode.

The maximum non-time weighted EtO concentration reported by the laboratory was used for 2BF-1. The results for 2BF-2 were excluded due to a significant difference between the final summa canister vacuum recorded in the field and the initial summa canister vacuum recorded in the laboratory (indicative of a potential leak). The results for 2BF-3 were excluded due to a high amount of residual vacuum left in the summa canister after sampling.

DRE was estimated by ISMU using the available data.

Inlet Ethylene Oxide (EtO)

	EtO Conc (ug/m ³)	Qstd (dscfm)	EtO Emission Rate (lb/hr)
2BF-1	2,600	9,104	0.0887
2BF-2	excluded		
2BF-3	excluded		
2BF-4	6,100	9,179	0.2097
2BF-5	5,300	8,948	0.1776
2BF-6	2,000	12,489	0.0936

Outlet Ethylene Oxide (EtO)

	EtO Conc (ug/m ³)	Qstd (dscfm)	EtO Emission Rate (lb/hr)
Sys2 Out	70	70,059	0.0184

Estimated DRE 96.8%