

Fact Sheet



For Final Renewal Permitting Action Under 45CSR30 and Title V of the Clean Air Act

Permit Number: **R30-03900001-2022**
Application Received: **August 12, 2021**
Plant Identification Number: **03900001**
Permittee: **The Chemours Company FC, LLC**
Facility Name: **Chemours Belle Plant**
Manufacturing Unit: **Specialty Chemical Intermediates (Group 5 of 5)**
Mailing Address: **901 W. DuPont Ave., Belle, WV 25015**

Physical Location: Belle, Kanawha County, West Virginia
UTM Coordinates: 451.90 km Easting • 4,232.60 km Northing • Zone 17
Directions: I-64 to Belle exit, Route 60 east to Belle exit, turn right and plant is on the left.

Facility Description

The products in Group 5 of 5 are specialty chemical intermediates. The process units included are dimethyl ether (DME), dimethyl sulfate (DMS), the carbon monoxide flare, and drum plant.

Emissions Summary

Emissions Summary [Tons per Year]		
Regulated Pollutants	Group 5 Potential Emissions	2020 Facility-Wide Actual Emissions
Carbon Monoxide (CO)	1.00	116.29
Nitrogen Oxides (NO _x)	1.70	361.34
Particulate Matter (PM _{2.5})	0.02	3.42
Particulate Matter (PM ₁₀)	0.08	3.42

Emissions Summary [Tons per Year]		
Regulated Pollutants	Group 5 Potential Emissions	2020 Facility-Wide Actual Emissions
Total Particulate Matter (TSP)	0.09	3.45
Sulfur Dioxide (SO ₂)	0.01	0.77
Volatile Organic Compounds (VOC)	462.00	536.37
<i>PM₁₀ is a component of TSP.</i>		
Hazardous Air Pollutants	Group 5 Potential Emissions	2020 Facility-Wide Actual Emissions
Methanol	4.00	46.17
Dimethyl Sulfate	0.01	0.04

Some of the above HAPs may be counted as PM or VOCs.

Title V Program Applicability Basis

The Potential to Emit of each criteria pollutant and each hazardous air pollutant, above, decreased due to Chemours selling methylamines and methylamides units to Belle Chemical Company on January 1, 2020.

Due to the facility-wide potential to emit over 100 tons per year of criteria pollutant, over 10 tons per year of a single HAP, and over 25 tons per year of aggregate HAPs, The Chemours Company FC, LLC Belle Plant is required to have an operating permit pursuant to Title V of the Federal Clean Air Act as amended and 45CSR30.

Legal and Factual Basis for Permit Conditions

The State and Federally-enforceable conditions of the Title V Operating Permits are based upon the requirements of the State of West Virginia Operating Permit Rule 45CSR30 for the purposes of Title V of the Federal Clean Air Act and the underlying applicable requirements in other state and federal rules.

This facility has been found to be subject to the following applicable rules:

Federal and State:	45CSR6	Open burning prohibited.
	45CSR7	Particulate matter and opacity limits for manufacturing sources.
	45CSR11	Standby plans for emergency episodes.
	45CSR13	Preconstruction permits for minor sources.
	WV Code § 22-5-4 (a) (14)	The Secretary can request any pertinent information such as annual emission inventory reporting.
	45CSR30	Operating permit requirement.
	45CSR34	Emission Standards for Hazardous Air Pollutants.
	40 C.F.R. Part 61	Asbestos inspection and removal
	40 C.F.R. 63, Subparts F, G, H	Hazardous Organic NESHAP (HON)
	40 C.F.R. Part 82, Subpart F	Ozone depleting substances

State Only:	45CSR4	No objectionable odors.
	45CSR§21-37	Leaks from Synthetic Organic Chemical, Polymer, and Resin Manufacturing Equipment.
	45CSR§21-40	Control of VOC Emissions

Each State and Federally-enforceable condition of the Title V Operating Permit references the specific relevant requirements of 45CSR30 or the applicable requirement upon which it is based. Any condition of the Title V permit that is enforceable by the State but is not Federally-enforceable is identified in the Title V permit as such.

The Secretary's authority to require standards under 40 C.F.R. Part 60 (NSPS), 40 C.F.R. Part 61 (NESHAPs), and 40 C.F.R. Part 63 (NESHAPs MACT) is provided in West Virginia Code §§ 22-5-1 *et seq.*, 45CSR16, 45CSR34 and 45CSR30.

Active Permits/Consent Orders

Permit or Consent Order Number	Date of Issuance	Permit Determinations or Amendments That Affect the Permit (<i>if any</i>)
R13-0914B	October 31, 2008	NA
R13-2284A	January 26, 2006	NA
CO-R21-97-31	September 10, 1997	October 21, 1997 letter from Ronald E. Smith, DuPont Belle, to Rebecca J. Haddad, OAQ. R13-2284A CO-R21-10A(97)
CO-R21-10A(97)	April 17, 2001	NA

Conditions from this facility's Rule 13 permit(s) governing construction-related specifications and timing requirements will not be included in the Title V Operating Permit but will remain independently enforceable under the applicable Rule 13 permit(s). All other conditions from this facility's Rule 13 permit(s) governing the source's operation and compliance have been incorporated into this Title V permit in accordance with the "General Requirement Comparison Table," which may be downloaded from DAQ's website.

Determinations and Justifications

Miscellaneous:

Updates to Section 1.1 Emission Units:

- Year installed changed for DMS003 from 1987 to 2011. This unit has no opening to the atmosphere and does not have any emissions according to the applicant.
- Year installed changed for DMS014 from 1978 to 2013. This unit has no opening to the atmosphere and does not have any emissions according to the applicant.
- Year installed changed for DMS021 from 1937 to 2015. A permit determination, PD15-002, was submitted for the replacement of this tank and it was determined that a permit under 45CSR13 was not required.

Sections 3.5.3, 3.5.5, and 3.5.6 were updated to include current addresses.

DME027 was removed from the permit. According to the facility's environmental contact, this carbon filter was removed from service.

Non-Applicability Determinations

The following requirements have been determined not to be applicable to the subject facility due to the following:

40CFR64 Compliance Assurance Monitoring (CAM)

There has not been the addition of any pollutant-specific emission units that have potential pre-control device emissions of a regulated air pollutant that are equal to or greater than 100 percent of the amount, in tons per year, required for a source to be classified as a major source.

Request for Variances or Alternatives

None

Insignificant Activities

Insignificant emission unit(s) and activities are identified in the Title V application.

Comment Period

Beginning Date: June 3, 2022

Ending Date: July 5, 2022

Point of Contact

All written comments should be addressed to the following individual and office:

Jonathan Carney
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone: 304/926-0499 ext. 41247
jonathan.w.carney@wv.gov

Procedure for Requesting Public Hearing

During the public comment period, any interested person may submit written comments on the draft permit and may request a public hearing, if no public hearing has already been scheduled. A request for public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing. The Secretary shall grant such a request for a hearing if he/she concludes that a public hearing is appropriate. Any public hearing shall be held in the general area in which the facility is located.

Response to Comments (Statement of Basis)

No comments received.