

Fact Sheet



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

This Fact Sheet serves to address the changes specific to this Minor Modification, and shall be considered a supplement to the Fact Sheet corresponding with the Title V operating permit issued on September 1, 2015.

Permit Number: **R30-03900005-2015 Group 6 of 7**
Application Received: **October 5, 2015**
Plant Identification Number: **03-54-03900005**
Permittee: **Union Carbide Corporation**
Business Unit: **Emergency Services (Group 6 of 7)**
Facility Name: **Institute Plant**
Mailing Address: **P.O. Box 8361**
South Charleston, WV 25303

Permit Action Number: MM01 Revised: December 29, 2015

Physical Location: Institute, Kanawha County, West Virginia
UTM Coordinates: 432.19 km Easting • 4,248.75 km Northing • Zone 17
Directions: The facility is located west of Institute, WV, adjacent to State Route 25
and West Virginia State University

Facility Description

Emergency Services SIC Code: 2869

Emissions Summary

This modification will result in an increase in emission limits of 0.05 TPY of NO_x, 0.62 TPY of CO, and 0.01 TPY of PM₁₀. This is a result of more accurate emission factors.

Title V Program Applicability Basis

With the proposed changes associated with this modification, this facility maintains the 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, Union Carbide Corporation’s Institute 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.

The modification to this facility has been found to be subject to the following applicable rules:

Federal and State:	45CSR13	Permits for construction, modification, relocation, and operation of stationary sources
	45CSR16	Standards of performance for new stationary sources
	45CSR30	Operating permit requirement.
	45CSR34	Emission standards for HAP’s
	40 C.F.R. 60, Subpart IIII	Standards of performance for stationary compression ignition internal combustion engines
	40 C.F.R. 63, Subpart ZZZZ	NESHAP for stationary reciprocating internal combustion engines

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>)
G60-023A	October 27, 2015	

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

Bayer CropScience R30-03900007-2015 Group 1A of 8 was issued on September 1, 2015. The Permit and equipment were transferred to Union Carbide Corporation on September 4, 2015. The Permit has been modified to add the new Permittee information, to correct the UTM coordinates, and to include the revised

G60-C023A Permit Registration. The revised G60-C023A Permit Registration has slightly increased emissions due to more accurate emission factors. Section 1.2 and Condition 4.1.1 of the Title V Permit have been updated to cite the revised version.

Non-Applicability Determinations

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

N/A

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: N/A

Ending Date: N/A

Point of Contact

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

Mike Egnor
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone: 304/926-0499 ext. 1208 • Fax: 304/926-0478
michael.egnor@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)

Not applicable.