

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 original Fact Sheet corresponding with the issuance of the initial Title V operating permit issued on May 26, 2005.

(Group 1/8)

(Powerhouses/Maintenance/WWTU/Laboratory)

Permit Number: **R30-03900007-2005**

Applications Received: **November 21, 2008**

Plant Identification Number: **03900007**

Permittee: **Bayer CropScience, LP**

Facility Name: **Institute Site**

Mailing Address: **P.O. Box 1005, Institute, WV 25112**

Permit Action Number: MM02

Revised: March 31, 2009

Physical Location:	Institute, Kanawha County, West Virginia
UTM Coordinates:	432.0 km Easting • 4,248.3 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

Bayer CropScience, an agricultural chemical based company, operates a multi-product, multi-process chemical plant. The Plant has five basic manufacturing units along with several other production facilities primarily responsible for producing raw materials used in the manufacture of agricultural chemicals. The principal products produced at the Institute site are SEVIN brand carbaryl, TEMIK brand aldicarb, LARVIN brand thiodicarb, methomyl, RHODIMET AT-88, oxamyl, BPMC, Carbofuran, and Carbosulfan. SIC Codes: 2879; 2869

This permitting action encompasses changes requested in two minor permit modification applications. The annual throughput for the flyash drumming system at the No. 1 Powerhouse has been increased to flyash limits dictated by the Plant's Boiler and Industrial Furnace (BIF) Permit. The baghouse's total hours of

operation limit has been removed allowing the baghouse to operate even when flyash is not being conveyed to the flyash silo. Additionally, all references to 40 C.F.R Part 63 Subpart DDDDD were removed from this permit.

Emissions Summary

PTE didn't change as result of this permit revision.

Title V Program Applicability Basis

This facility maintains the potential to emit over 10 tons per year of a single HAP, and over 25 tons per year of aggregate HAPs. Due to this facility's potential to emit over 10 tons per year of a single HAP and over 25 tons per year of aggregate HAPs, (Bayer CropScience) 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.

Federal and State:	45CSR13	Permits for construction, modification, relocation, etc.
	45CSR30	Operating permit requirement.

Each State and Federally-enforceable condition of the draft Title V Operating Permit references the specific relevant requirements of 45CSR30 or the applicable requirement upon which it is based. Any condition of the draft Title V permit that is enforceable by the State but is not Federally-enforceable is identified in the draft 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, 45CSR15, 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>)
R13-1308A	February 10, 2009	NA
R13-2001B	January 26, 2009	NA

Determinations and Justifications

Increasing the annual throughput for the flyash drumming system at the No. 1 Powerhouse to flyash limits dictated by the Plant's Boiler and Industrial Furnace (BIF) Permit will ensure the drumming system's operation is consistent with the maximum flyash generation capabilities of the BIF boilers.

Removal of the limit on the hours of operation for the baghouse will provide operational flexibility while still limiting the amount of flyash. Existing permits limit the amount of flyash conveyed to the flyash silos to 33,500 tons/year. Since all flyash conveyed to the silo must go through the baghouse first, the throughput limit is a reliable measure of the particulate matter emissions from the baghouse.

All references to 40 C.F.R. Part 63 Subpart DDDDD were removed from this permit. This subpart was vacated by court action on July 30, 2007.

Non-Applicability Determinations

None

Request for Variances or Alternatives

None

Insignificant Activities

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

Point of Contact

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