West Virginia Department of Environmental Protection
Division of Air Quality

Fact Sheet

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

This Fact Sheet serves to address the changes specific to this Significant Modification, and shall be considered a supplement to the Fact Sheet corresponding with the Title V operating permit issued on December 28, 2006.

Permit Number: **R30-09500001-2006(SM03)**
Application Received: **November 16, 2009**
Plant Identification Number: **03-54-095-00001**
Permittee: **MPM Silicones, LLC**
Facility Name: **Sistersville Plant**
Mailing Address: **3500 South State Route 2, Friendly WV 26146**

Permit Action Number: *SM03* Revised: May 26, 2010

Physical Location:	Friendly, Tyler County, West Virginia
UTM Coordinates:	492.2 km Easting • 4370.5 km Northing • Zone 17
Directions:	WV State Route 2 approximately six miles south of Sistersville.

Facility Description

The Sistersville Plant is engaged in specialty chemical manufacturing (SIC 2869) and manufactures a broad range of silicone and silane products, plus organic chemical intermediates. As part of the facility's operations they utilize a hazardous waste combustor, which is subject to 40 C.F.R. 63, subpart EEE, MACT requirements. The purpose of this modification is to incorporate the changes associated with implementing the phase II standards from the Federal Regulation.

Hazardous Waste Combustor MACT, Subpart EEE

The permitee operates a rotary kiln hazardous waste incinerator. The original Title V permit incorporated the "interim standards, which were in effect from September 30, 2003 until October 14, 2008. On October 14, 2008 the permittee became subject to the replacement standards and had one year to conduct testing in order to verify compliance. During this compliance testing the permittee also established operating limitations in order to provide continuous compliance measures in the form of periodic monitoring and

recordkeeping. The interim standards are found in 40 C.F.R.§63.1203 and the replacement standards are cited from 40 C.F.R..§63.1219.

MPM Silicones' hazardous waste incinerator was found to be in compliance with the replacement standards, as documented in the Comprehensive Performance Test Report and Notification of Compliance, dated June 3, 2009. On March 24, 2010, Lucia Pontiveros, Assistant Director of the Hazardous and Solid Waste Air Program, approved the validity of the compliance testing results. As a result, the updated operating parameters for phase II compliance are being proposed within section 10.0 of this modification permit.

Emissions Summary

The resulting modification did not result in any change to the facility's potential to emit regulated pollutants.

Title V Program Applicability Basis

With the proposed changes associated with this modification, this facility maintains the potential to emit Carbon Monoxide (CO) at 96 tons per year (tpy), Nitrogen Oxides (NOx) at 295 (tpy), Volatile Organic Compounds (VOC) at 553 (tpy), and Hazardous Air Pollutants (HAPs) at 474.6 (tpy). Due to this facility's potential to emit over, 100 tons per year of VOCs and NOx, as well as over 10 tons per year of a single HAP, and over 25 tons per year of aggregate HAPs, MPM Silicones 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:	40 C.F.R. Part 63	Subpart EEE – National Emission Standards for Hazardous Waste Combustion
	45CSR30	Operating permit requirement.
State Only:	N/A	

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, 45CSR34 and 45CSR30.

Active Permits/Consent Orders

Permit or Consent Order Number	Date of Issuance	Permit Determinations or Amendments That Affect the Permit *(if any)*
N/A		

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 B," which may be downloaded from DAQ's website.

Determinations and Justifications

As a result of incorporating the new phase II hazardous waste combustor standards, the following sections of the Title V permit are proposed to change for the following reasons:

10.1.3 and 10.1.4	Incorporate the replacement standards, emission limits and removal efficiency
10.1.5	Incorporate revised operating parameter limits
10.1.7	Incorporated revised automatic waste feed cutoffs
10.1.19	Delete condition related to complying with the replacement standards – which has been met by the submission of the Notification of Compliance.
10.1.20	Delete condition related to submitting an application for Title V permit modification – which has been met by this modification application
10.1.2 and 10.2.6	Correction of minor typographical errors.

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.

Comment Period

Beginning Date: April 7, 2010
Ending Date: May 7, 2010

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

Jesse Hanshaw, P.E.
Title V Permit Writer
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street SE
Charleston, WV 25304

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.

Point of Contact

Jesse Hanshaw, P.E.
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone: 304/926-0499 ext. 1216 • Fax: 304/926-0478

Response to Comments (Statement of Basis)

Not applicable.