



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

CERTIFIED MAIL

January 14, 2013

Materion Brush, Inc.
14710 W. Portage River South Road
Elmore, OH 43416

RE: Class 2 Permit Modification Final Issuance
EPA ID Number: OHD 004 212 999

Dear Sir or Madam:

On October 15, 2012, Ohio EPA received Materion Brush Inc.'s request to add the newly installed monitoring well, MW-53, as a "Point of Action Well" to the integrated Groundwater Monitoring Plan. Certain requirements outlined in the compliance schedule in Permit Condition F.10 have been met due to this permit modification, therefore, Permit Conditions F.10(h)(i) – F.10(h)(iv) have been marked "Reserved." For this modification, Materion Brush, Inc. submitted a Class 2 permit modification application. The Agency did not receive any verbal or written comments concerning the Class 2 modification. I have enclosed the final modified Ohio hazardous waste facility installation and operation permit (Permit) action that was issued by the Director today, January 14, 2013. Please note that the modified Permit remains in effect until it is renewed, withdrawn, suspended or revoked.

You are hereby notified that this action of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00 which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Materion Brush, Inc.
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Environmental Review Appeals Commission
77 South High Street, 17th Floor
Columbus, OH 43215

If you have any questions, please contact Amber Hicks of Ohio EPA's Northwest District Office at (419) 352-8461.

Sincerely,



Georgia Frakes, Management Analyst
Division of Materials and Waste Management

cc: Dustin Tschudy, DMWM, CO
Scott Hester, DMWM, CO
Todd Anderson, Legal
Colleen Weaver, DMWM, NWDO
Amber Hicks, DMWM, NWDO
Gary Deutschman, DMWM, NWDO
Darla Peelle, PIC



ITS Programming

PUBLIC NOTICE RECORD

Notification Type: HAZARDOUS WASTE FACILITY PERMIT ACTION

Entity Info

Name: Materion Brush, Inc.

Address: 14710 West Portage River South Road

City/Township/Zip: Elmore, OH 43416

County: Ottawa

Description: Hazardous Waste

Notice Info

Weekly Review

Public Notice

Date Of Action: 01/14/2013

Notification Number: OHD004212999

Receiving Waters:

Meeting Details:

Standard Remark:

Other Remark:

On January 14, 2013, the director of Ohio EPA issued a modified Hazardous Waste Facility Installation and Operation Permit (Permit) to Materion Brush, Inc. (Materion) for its facility located at 14710 West Portage River South Road, Elmore, Ohio 43416. The EPA ID Number for this facility is OHD004212999. Materion operates an integrated beryllium manufacturing plant and is permitted for greater than 90 day storage of waste beryllium powder, post-closure care of three RCRA surface impoundments, and corrective action. On October 15, 2012, Ohio EPA received Materion's request to add the newly installed monitoring well, MW-53, as a "Point of Action Well" to the integrated Groundwater Monitoring Plan. Certain requirements outlined in the compliance schedule in Permit Condition F.10 have been met due to this permit modification, therefore, Permit Conditions F.10(h)(i) - F.10(h)(iv) have been marked "Reserved." Ohio EPA staff reviewed the modification application and determined that the proposal complies with Ohio EPA's hazardous waste rules.

OHIO E.P.A.
JAN 14 2013
ENTERED DIRECTOR'S JOURNAL

OHIO ENVIRONMENTAL PROTECTION AGENCY
**MODIFIED OHIO HAZARDOUS WASTE FACILITY
INSTALLATION AND OPERATION PERMIT**

Date of Issuance: January 14, 2013

Effective Date: January 14, 2013

U.S. EPA ID No.: OHD004212999

Name of Permittee: Materion Brush Inc.
Mailing Address: 14710 West Portage River South Road
Elmore, Ohio 43416
Facility Location: 14710 West Portage River South Road
Near State Routes 105 & 590
Elmore, Ohio 43416
Person to Contact: Michael Berakis

This Modified Ohio Hazardous Waste Facility Installation and Operation Permit is issued pursuant and subject to Section 3734.05(I) of the Ohio Revised Code and Rule 3745-50-51(D) of the Ohio Administrative Code.

The Ohio Hazardous Waste Facility Installation and Operation Permit with the above-referenced permit number as issued by the Ohio Environmental Protection Agency and journalized on September 20, 2011, is hereby incorporated by reference in its entirety, except as it may be modified herein.

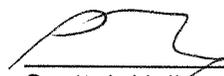
This modification of the permit shall remain in effect until such time as the Ohio Hazardous Waste Facility Installation and Operation Permit is renewed, modified, withdrawn, suspended, or revoked.

The Permittee shall comply with all requirements of the modified Part B permit application as amended or supplemented on October 15, 2012. The information contained in the modified Part B permit application is incorporated herein by reference. Specifically, all written statements regarding the specifications, locations, or capabilities of the processes, equipment, containment devices, safety devices or programs, or other matters made by the applicant in the permit modification application are hereby incorporated as express, binding terms and conditions of this modified permit.

The modified Terms and Conditions of this permit are attached hereto and are incorporated herein by reference. The modified Terms and Conditions supersede and replace the corresponding pages found in the September 20, 2011, renewal permit.

I certify this to be a true and accurate copy of the official documents as filed in the records of the Ohio Environmental Protection Agency.

By: Jimmy Cassler Date: 1-14-13



Scott J. Nally
Director

- (e) Reserved
- (f) Reserved
- (g) Reserved
- (h) Reserved
- (i) Reserved

- (ii) Reserved
- (iii) Reserved
- (iv) Reserved

F.11 Property Use Restrictions

- (a) No Use of Ground Water: The Permittee shall not extract or use ground water underlying or within the zone of influence of the property or any portion of the property at the following approximate coordinates: 41.4870 degrees North latitude (southern boundary of the Eastern Settling Lagoons AOI) north to the property boundary (Portage River) and 83.2142 degrees West longitude (west of the PCE AOC) east to the property boundary for any purpose, potable or otherwise, except for monitoring or remediation of the ground water. For the purpose of this permit, remediation includes the pumping of Production Wells to maintain hydraulic capture.
- (b) No Construction of Buildings: The Permittee shall not construct a building or structure of any kind within the footprint of the ground water VOC plume for any purpose due to the potential of vapor intrusion from contaminated ground water volatilizing into an overlying structure causing an inhalation human health exposure pathway. For the purposes of this condition, the footprint of the VOC plume is defined as the area within the plume shown in the most recent VOC plume map provided to Ohio EPA annually as part of the Supplemental Report. Construction would be allowed in this area under two circumstances:
 - (i) If a risk evaluation (including a vapor intrusion model if appropriate), approved by the Ohio EPA, indicates that an exposure pathway from volatilizing compounds (including applicable VOCs and SVOCs) is not present based upon the proposed building construction or risk standards applicable to occupancy or activities within the proposed building having been met; or,
 - (ii) An engineering control has been approved by Ohio EPA and constructed and implemented at the site construction. An engineering

control must be used in conjunction with an operation and maintenance plan.

Table F-1									
Well ID	Semi-annual Sampling Event			Annual Sampling Event					
	Hazardous Constituents*	Possible Degradation Products*	Other VOCs*	APP IX VOCs plus cis-1,2-DCE and TICs	Appendix IX Metals plus fluoride	Cyanide	App IX PCBs	App IX SVOCs	Water Level
POA Wells									
MW-40	•	•	•	•	•	•			•
MW-41	•	•	•	•	•	•			•
MW-43	•	•	•	•	•	•			•
MW-36**	•	•	•	•	•	•	•	•	•
MW-37									•
MW-20	•	•	•	•	•	•			•
MW-44	•	•	•	•	•	•			•
MW-45	•	•	•	•	•	•			•
MW-50	•	•	•	•	•	•			•
MW-53	•	•	•	•	•	•			•
Plume Growth Wells									
MW-39				•	•	•			•
MW-16				•	•	•			•
MWRW-19				•	•	•			•
MW-52				•	•	•			•
MW-38				•	•	•			•
Within Plume Wells									
MW-27				•	•	•			•
MW-42				•	•	•			•
MW-32				•	•	•			•
MW-33				•	•	•			•
MW-26				•	•	•	•		•
MW-35				•	•	•	•	•	•
Background Wells									
MB-02				•	•	•			•
MW-34				•	•	•			•
MW-21				•	•	•			•
MW-22				•	•	•			•
Water Level Collection Only									
MW-17									•
MW-29									•
MW-30									•
MW-31									•
MW-46									•
MW-48									•
MB-01									•
MW-9D									•
MW-10D									•
MW-11D									•
MW-12D									•
MW-23D									•
MW-24D									•
MW-25D									•
MW-51D									•
P-03									•
P-04									•
P-05									•
P-06									•

* Hazardous Constituents – tetrachloroethene (PCE), trichloroethene (TCE), cis 1,2-dichloroethylene (Cis 1,2-DCE), and Arsenic
 * Possible Degradation Products – trans 1,2-dichloroethylene (Trans 1,2-DCE), 1,1-dichloroethylene (1,1-DCE), 1,1-dichloroethane (1,1-DCA), 1,2-dichloroethane (1,2-DCA), chloroethane, vinyl chloride
 * Other VOCs – 1,1,1-trichloroethane (1,1,1-TCA)
 TICs – Tentatively Identified Compounds
 ** Annual Sampling of MW-36 for Appendix IX SVOCs and PCBs will occur for three years and every other year following the third year.

