



State of Ohio Environmental Protection Agency

RE: **FINAL PERMIT TO INSTALL MODIFICATION**      **CERTIFIED MAIL**  
**OTTAWA COUNTY**

Street Address:

Mailing Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Lazarus Gov.  
Center

Application No: 03-13117

Fac ID: 0362000079

DATE: 5/29/2008

Graymont Dolime (OH) Inc.  
Keith Hille  
21880 W. State Route 163  
Genoa, OH 43430

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

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:

Environmental Review Appeals Commission  
309 South Fourth Street, Room 222  
Columbus, OH 43215

Sincerely

Michael W. Ahern, Manager  
Permit Issuance and Data Management Section  
Division of Air Pollution Control

CC: USEPA

NWDO



**Permit To Install  
Terms and Conditions**

**Issue Date: 5/29/2008  
Effective Date: 5/29/2008**

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 03-13117

Application Number: **03-13117**  
APS Premise Number: **0362000079**  
Permit Fee: **\$400**  
Name of Facility: **Graymont Dolime (OH) Inc. Hille**  
Person to Contact: **Keith**  
Address: **21880 W. State Route 163  
Genoa, OH 43430**

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**21880 W. State Route 163  
Genoa, OHIO**

Description of modification:  
**Modification of PTI to change the frequency of monitoring requirements.**

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

**Chris Korleski**  
Director

**Graymont Dolime (OH) Inc.**  
**PTI 03-13117**  
**Modification Issued: 5/29/2008**

Facility ID: **0362000079**

## **GENERAL PERMIT CONDITIONS**

### **TERMINATION OF PERMIT TO INSTALL**

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

### **NOTICE OF INSPECTION**

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

### **CONSTRUCTION OF NEW SOURCES**

The proposed source(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of Ohio Administrative Code (OAC) Rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet applicable standards.

### **PERMIT TO INSTALL FEE**

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

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### **PUBLIC DISCLOSURE**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC Rule 3745-49-03.

### **APPLICABILITY**

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

### **BEST AVAILABLE TECHNOLOGY**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

### **PERMIT TO OPERATE APPLICATION**

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement of operation..

### **SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION**

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws and regulations.

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| <u>Ohio EPA Source Number</u> | <u>Source Identification Number</u> | <u>BAT Determination</u> | <u>Applicable Federal &amp; OAC Rules</u> | <u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u> |
|-------------------------------|-------------------------------------|--------------------------|---|--|
|-------------------------------|-------------------------------------|--------------------------|---|--|

**AIR EMISSION SUMMARY**

The air contaminant emissions units listed below comprise the Permit to Install for **Graymont Dolime (OH) Inc.** located in **OTTAWA** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

P019

| <u>Ohio EPA Source Number</u> | <u>Source Identification Description</u>                          |
|-------------------------------|---|
| P901                          | Hydrated lime storage silo, bucket elevator and loadout equipment |

Hydrated lime product separation cyclone

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|-------------------------------|-------------------------------------|--------------------------|---|--|
|-------------------------------|-------------------------------------|--------------------------|---|--|

BAT Determination

Use of dead box loadout, baghouse and compliance with the terms and conditions of this permit

Compliance with the terms and conditions of this permit

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| <u>Ohio EPA Source Number</u> | <u>Source Identification Number</u> | <u>BAT Determination</u> | <u>Applicable Federal &amp; OAC Rules</u>  | <u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u> |
|-------------------------------|-------------------------------------|--------------------------|--|--|
|                               |                                     | 3745-17-07 (A)           |  | *  |
|                               |                                     | 3745-17-11               | Permit Allowable Mass Emissions and/or Control/Usage Requirements  | *  |
|                               | Applicable Federal & OAC Rules      |                          |  |  |
|                               | 3745-31-05                          |                          | Baghouse Emissions:<br><br>0.41 pound Particulate Emissions (PE)/hour and 1.80 tons PE/year<br><br>0 percent opacity as a 6 minute average<br><br>Fugitive Emissions:<br><br>0.50 ton PE/year<br><br>5 percent opacity as a 3 minute average |  |
|                               | 3745-17-07 (A)                      |                          | *  |  |
|                               | 3745-17-11                          |                          | *  |  |
|                               | 3745-31-05                          |                          | 0.41 pound Particulate Emissions (PE)/hour and 1.80 tons PE/year<br><br>0 percent opacity as a 6 minute average  |  |

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- \* The emissions limits based on these applicable rules are less stringent than the limits established pursuant to OAC rule 3745-31-05.

**SUMMARY**  
**TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

| <u>Pollutant</u> | <u>Tons/Year</u> |
|------------------|------------------|
| PE               | 4.10             |

**REPORTING REQUIREMENTS**

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Ohio EPA, Northwest District Office, 347 North Dunbridge Road, Bowling Green, OH 43402.**

**WASTE DISPOSAL**

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

**MAINTENANCE OF EQUIPMENT**

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

**MALFUNCTION/ABATEMENT**

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control

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system(s) shall be reported immediately to the **Ohio EPA, Northwest District Office, 347 North Dunbridge Road, Bowling Green, OH 43402.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

### **AIR POLLUTION NUISANCES PROHIBITED**

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

### **CONSTRUCTION COMPLIANCE CERTIFICATION**

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

### **ADDITIONAL SPECIAL TERMS AND CONDITIONS**

#### Introduction

This registration PTI is for the installation of emissions unit P901 which involves a hydrated lime storage silo, bucket elevator, and loadout equipment. This registration PTI also allows for the installation of a hydrated lime product separation cyclone (emissions unit P019).

#### A. Applicable Emission Limitations and/ or Control Requirements

1. No additional applicable emission limitations than those specified in the Air Emissions Summary.

#### B. Operational Restrictions

1. The pressure drop across the baghouse associated with emissions unit P901 shall be maintained within the range of \* inches of water while the emissions unit is in operation.
  - a. Not more than 180 days following the initial startup of the emissions unit, the permittee shall notify the Ohio EPA in writing of the pressure drop across the

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baghouse. The permittee shall operate the baghouse in accordance with these reported values.

2. The permittee shall not exceed an annual product throughput of 70,000 tons for emissions unit P901.

C. Monitoring and / or Record keeping Requirements

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the associated emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

The permittee may reduce the frequency of the pressure drop readings from daily to weekly if the following conditions are met:

- a. For a full quarter the pressure drop readings are in compliance with the operating established for that unit; and
  - b. The permittee continues to comply with all other recordkeeping and monitoring requirements of this PTI.
2. The permittee shall maintain annual records the product throughput for emissions units P901.
  3. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings, if a strip-chart recorder is employed, for continuous monitoring instrumentation, and copies of all reports required by the permit. Such records may be maintained in computerized form.

D. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in section B.1. This reports shall be submitted in accordance with the requirements of section D.2.

- The permittee shall submit annual deviation (excursion) reports which identify any exceedance of the throughput restriction contained in section B.2 for emissions unit P901. These reports shall include the corrective actions that were taken to achieve compliance and shall be submitted by January 31 of each year.
3. The permittee shall submit quarterly written reports for emissions units P901 and P019 of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the Ohio EPA, Northwest District Office. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06).

E. Testing Requirements

1. Compliance with the emissions limitations in the permit to install shall be determined in accordance with the following methods:

a. Emissions Unit P901

i. Fugitive Emission Limitations:

- aa. Visible fugitive PE shall not exceed 5 percent opacity, as a 3-minute average.

Applicable Compliance Method:

Compliance with the visible emission limitations shall be determined in accordance with 40 CFR 60, Appendix A-Method 9

- ab. 0.50 ton PE/yr

Applicable Compliance Method:

The ton/yr limitation was developed by applying a 99 percent control efficiency for use of dead box loading to an uncontrolled emission factor of 1.5 lbs PE/ton of product loaded and a maximum annual product throughput of 70,000 tons. Compliance shall be demonstrated by using the actual annual product throughput from recordkeeping specified in section C.2.

ii Baghouse Emissions Limitation:

aa. 0.41 lb PE/hr

Applicable Compliance Method:

The lb/hr limitation was developed by using a baghouse performance standard of  $2.28 \times 10^{-7}$  lb/dscf and a maximum air flow rate of 180,000 cf per hour. If required, compliance with the PE limitation shall be determined in accordance with the test method and procedures in OAC rule 3745-17-03 (B(10)).

ab. 1.80 tons PE/yr

Applicable compliance Method:

The annual PE emission limitation was developed by multiplying the lb/hr limitation by the maximum operating schedule of 8,760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with hourly limitations, compliance will also be shown with the annual limitation.

ac. 0 percent opacity as a six-minute average

Applicable Compliance Method:

Compliance with visible emission limitations shall be determined in accordance with 40 CFR 60, Appendix A-Method 9.

b. Emissions Unit P019

i. Emission Limitations:

aa. 0.41 lb PE/hr

Applicable Compliance Method:

The lb/hr limitation was developed by using a baghouse performance standard of  $2.28 \times 10^{-7}$  lb/dscf and a maximum air flow rate of 180,000 cf per hour. If required, compliance with the PE limitation shall be determined in accordance with the test method and procedures in OAC rule

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3745-17-03 (B(10)).

ab. 1.80 tons PE/yr

Applicable Compliance Method:

The annual PE emission limitation was developed by multiplying the lb/hr limitation by the maximum operating schedule of 8,760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with hourly limitations, compliance will also be shown with the annual limitation.

ac. 0 percent opacity as a six-minute average

Applicable Compliance Method:

Compliance with visible emission limitations shall be determined in accordance with 40 CFR 60, Appendix A-Method 9.

F. Miscellaneous Requirements

None.