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State of Ohio Environmental Protection Agency

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Street Address:

Lazarus Gov. Center
50 West Town Street, Suite 700
Columbus, OH 43215

TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Ohio Environmental
Protection Agency
Southeast District
Lazarus Gov. Center
P.O. Box 1049
Columbus, OH 43216-1049

02/26/08

CERTIFIED MAIL
RE: Final Chapter 3745-35 Permit To Operate
P902 (Materials Handling)Material Handling

DGM Inc. (06-40-01-0103)
Rex Leist
453 Salisbury Rd.
Beaver, OH 45613

Dear Rex Leist:

The enclosed Permit(s) to Operate allow you to operate the described emissions unit(s) in the manner indicated in the Permit(s). Because each permit contains several terms and conditions, I urge you to read them carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Compliance Assistance and Pollution Prevention at (800) 329-7518. For more information related to air pollution control in Ohio, visit www.epa.state.oh/dapc.

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

If you have any questions, please contact Southeast District Office.

Sincerely,

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

cc: Southeast District Office



State of Ohio Environmental Protection Agency

Final Permit To Operate An Emissions Unit

Effective Date: 02/26/08

Expiration Date: 02/26/13

This document constitutes issuance to:

Facility ID: 06-40-01-0103
DGM Inc.
1668 Kessinger School Rd.
Jackson, OH 45640

of a permit to operate for:

P902 (Materials Handling)
Material Handling

You will be contacted six months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency identified below. This permit and the authorization to operate the air contaminant source (emissions unit) at this facility shall expire at midnight on the expiration date shown above. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC Chapter 3745-35 and in accordance with the terms of this permit beyond the expiration date, provided that a complete renewal application is submitted no earlier than eighteen (18) months and no later than one-hundred eighty (180) days prior to the expiration date.

Described below is the Ohio EPA District Office or local air agency that is responsible for processing and administering your permit:

Southeast District Office
2195 Front Street
Logan, OH 43138
(740) 385-8501

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

A handwritten signature in cursive script, appearing to read "Chris Korleski", is written over a horizontal line.

Chris Korleski
Director

Part I: General Terms and Conditions

1. Compliance Requirements

The above-described emissions unit is and shall remain in full compliance with all applicable State and federal laws and regulations and the terms and conditions of this permit.

2. Permit to Install Requirement

Prior to the "installation" or "modification" of any "air contaminant source," as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.

3. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports 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 appropriate Ohio EPA District Office or local air agency. 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.)

4. Records Retention Requirements

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 for continuous monitoring instrumentation, and copies of all reports required by the permit. Such records may be maintained in computerized form.

5. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State and federal air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine

compliance with this permit. Upon verbal or written request, permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

6. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions unit or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of this emissions unit(s) that is (are) served by such control system(s).

7. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permittee. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

8. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

9. Permit Renewal

Approximately six months prior to the expiration date of this permit, a notice regarding the renewal of this permit will be sent to the permittee's designated facility contact. If you are not contacted, please contact the following Ohio EPA District Office or local air agency which has jurisdiction in the area in which the facility is located:

Southeast District Office
2195 Front Street
Logan, OH 43138
(740) 385-8501

It is the permittee's responsibility to renew this permit even if no notice of its expiration is received.

Part II: Special Terms and Conditions

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P902 - Material Handling including storage silos	OAC rule 3745-31-05(A)(3) (PTI #06-05379, 2/9/98)	<p>The baghouse shall achieve an outlet emission rate of no greater than 0.030 grain of PE per dry standard cubic foot of exhaust gases and no visible PE from the exhaust stack.</p> <p>PE from the exhaust stack shall not exceed 3.58 pounds per hour.</p> <p>PE shall not exceed 15.7 tons/yr</p> <p>Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.b through A.2.d)</p>

2. Additional Terms and Conditions

- 2.a The material handling operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:
- i. Aggregate/Sand hopper load-in/load-out
 - ii. Storage bins and all material transfer points
 - iii. Pneumatic transfer operations
 - (a) Bulk trucks to silos
 - (b) Material transfer
- 2.b The permittee shall employ best available control measures for the above-identified material handling operation(s) for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

material handling operation(s)	control measure(s)
i. Aggregate/Sand hopper load-in/load-out	Maintain material moisture
ii. Storage bins and all material transfer points	Baghouse and enclosure
iii. Pneumatic transfer operations	
(a) Bulk trucks to silos	Baghouse and enclosure
(b) Material transfer	Baghouse and enclosure

Nothing in this paragraph shall prohibit the permittee from employing additional control measures to ensure compliance.

2. Additional Terms and Conditions (continued)

- 2.c For each material handling operation that is not adequately enclosed, the above-identified control measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that use of the control measure(s) is unnecessary.
- 2.d Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rules 3745-17-07 and 3745-31-05.

B. Operational Restrictions

- 1. During the loading of sand and aggregate, the drop height of the front end loader bucket shall be minimized to the extent possible in order to minimize or eliminate visible emissions of fugitive dust from the working area(s).
- 2. Sufficient moisture content shall be maintained by the addition of water on an as needed basis.
- 3. The aggregate loaded into the storage bins shall have a moisture content sufficient to eliminate the visible emissions of fugitive dust from the elevator and the transfer points.
- 4. Cement shall be transferred pneumatically to storage. The pneumatic system shall be adequately enclosed so as to eliminate at all times visible emissions of fugitive dust. Any visible emissions of cement emanating from the delivery vehicle shall be cause for immediate halt of the unloading process and the refusal of the cement loading until the situation is corrected.
- 5. The cement silo shall be adequately enclosed and vented to a fabric filter. The enclosure shall be sufficient to minimize at all times visible emisisions of fugitive dust at the points of capture. The fabric filter shall achieve an outlet emissions rate of no greater than 0.030 grain per dry standard cubic foot of exhausts gases and there shall be no visible emissions from the outlet.

C. Monitoring and/or Record Keeping Requirements

- 1. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

material handling operation(s)	minimum inspection frequency
i. Aggregate/Sand hopper load-in/load-out	Daily
ii. Storage bins and all material transfer points	Daily
iii. Pneumatic transfer operations	
(a) Bulk trucks to silos	Once during each unloading event
(b) Material transfer	Daily

The above inspections shall be performed during representative, normal operating conditions. The presence or absence of any visible emissions shall be recorded in an operations log. If any visible emissions are observed, corrective actions shall be taken to eliminate the visible emissions and these actions shall also be recorded in the operations log.

- 2. The permittee shall maintain the following monthly records:
 - a. the amounts of sand, stone, and cement processed at this facility; and,
 - b. the number of hours of operation.

C. Monitoring and/or Record Keeping Requirements (continued)

3. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
 - c. the dates the control measure(s) was (were) implemented.

D. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
 - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
 - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Emission Limitation:

The baghouse shall achieve an outlet emission rate of not greater than 0.030 grain of PE per dry standard cubic foot of exhaust gases and no visible PE from the exhaust stack.

Compliance Method:

Compliance shall be demonstrated through Monitoring Requirement and Reporting Requirements above.

If required, compliance with this mass emission limitation shall be based on stack testing per OAC rule 3745-17-03(B)(7).

If required, compliance with the no visible emission limit from the exhaust of the fabric filter shall be determined using Test Method 22-like visible emission observations (Although Test Method 22 applies to fugitive emissions units, the visible/no visible emissions observation technique of Test Method 22 can be applied to ducted emissions, i.e., Test Method 22-like visible emission observations).

2. Emission Limitation:

PE from the exhaust stack shall not exceed 3.58 pounds per hour.

Compliance Method:

Compliance with the 3.58 pound per hour emission limitation shall be demonstrated by the following calculation using emission factors from AP-42, Compilation of Air Pollutant Emission Factors, Chapter 11, Table 11.12-2, Cement unloading and Sand & Aggregate Transfer (emission factor = 0.30 pound/ton material), the maximum rated capacity of 240 TPH and a control efficiency of 95% for enclosures and the baghouse based on application data:

For Material Handling: PE = (0.30 lb/ton) (240 tons/hr) (0.05 (95% control)) = 3.58 pounds per hour

E. Testing Requirements (continued)

3. Emission Limitation:

PE shall not exceed 15.7 tons/yr

Compliance Method:

The annual allowable was developed by multiplying the maximum hourly allowable particulate emission rate (0.30 lbs/hr developed using emission factors from AP 42, Compilation of Air Pollutant Emission Factors, Chapter 11, Table 11.12-2) by the maximum annual hours of operation (8760 hours), and then dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

For Material Handling: PE = (0.30 lb/ton) (240 tons/hr) (0.05 (95% control)) (8760 hr/yr) (1 ton/2000 lb) = 15.7 TPY

F. Miscellaneous Requirements

None