



State of Ohio Environmental Protection Agency

O.E.P.A.
S.E.D.O.

STREET ADDRESS:

1800 WaterMark Drive
Columbus, OH 43215-1099

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

MAILING ADDRESS:

P.O. Box 1049
Columbus, OH 43216-1049

98 FEB 17 AM 10:13

Re: Permit to Install
Jackson County
Application No: 06-5379

CERTIFIED MAIL

February 9, 1998

DGM, INC, TOW PATH READY MIX
REX LEIST
453 SALISBURY ROAD
BEAVER, OH 45613

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions I urge you to read it 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 Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 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. It must be filed with the Environmental Review Appeals Commission within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo, Manager
Field Operations & Permit Section
Division of Air Pollution Control

cc: US EPA
SOUTHEAST DISTRICT OFFICE, DAPC

George V. Voinovich, Governor
Nancy P. Hollister, Lt. Governor
Donald R. Schregardus, Director

**Permit to Install
Terms and Conditions**

Application No. 06-5379
APS Premise No. 0640010103
Permit Fee: \$2400.00

Name of Facility: DGM, INC, TOW PATH READY MIX

Person to Contact: REX LEIST

Address: 453 SALISBURY ROAD
BEAVER, OH 45613

Location of proposed source(s): 1668 KESSINGER SCHOOL ROAD
LICK TOWNSHIP, OHIO

Description of proposed source(s):
CONCRETE BATCH PLANT.

Date of Issuance: February 9, 1998

Effective Date: February 9, 1998

The above named entity is hereby granted a permit to install for the above described source(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit 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 and specifications, the above described source(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Donald R. Scheyardus

Director

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)

DGM, INC, TOW PATH READY MIX
Application No. 06-5379
Page 3 of 16
February 9, 1998

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.

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.

AIR EMISSION SUMMARY

The air contaminant sources listed below comprise the Permit to Install for DGM, INC, TOW PATH READY MIX located in Jackson County. The sources 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.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
F001	Concrete batching	Watering and minimize drop height filter sock and enclosure	3745-31-05	0.048 pound Particulate emissions/hour (0.021 TPY Particulate emissions)
F002	Material handling	Fabric filter, watering and minimize drop heights	3745-31-05	3.58 pounds Particulate emissions/hour (15.7 TPY Particulate emissions) 0.030 gr/dscf or no visible emissions
F003	Storage piles	Watering and minimize drop heights minimize pile heights	3745-31-05	Storage piles - no visible emissions for 13 minutes/60 minute period
F004	Roadways and parking areas	Watering, sweeping and graveling surfaces	3745-31-05	Paved - No visible emissions except for 1 minute/60 minute period. Unpaved - No visible emissions except for 3 minutes/60 minute period.

DGM, INC, TOW PATH READY MIX
Application No. 06-5379
Page 5 of 16
February 9, 1998

SUMMARY

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
Particulate	16.84

CONSTRUCTION STATUS

The OEPA Southeast District Office - DAPC shall be notified in writing as to (a) the construction starting date, (b) the construction completion date, and (c) the date the facilities were placed into operation for the following sources: F001 - Concrete batching; F002 - Material handling; F003 - Storage piles; and, F004 - Roadways and parking areas.

RECORD(S) RETENTION AND AVAILABILITY

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to OEPA Southeast District Office - DAPC, 2195 Front Street, Logan, Ohio 43138.

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 system(s) shall be

DGM, INC, TOW PATH READY MIX
Application No. 06-5379
Page 6 of 16
February 9, 1998

reported immediately to the OEPA Southeast District Office - DAPC,
2195 Front Street, Logan, Ohio 43138.

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

I. CONCRETE BATCHING (F001)

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>
Concrete batching (F001)	OAC Rule 3745-31-05	0.048 pound particulate emissions/hour 0.21 tons particulate emissions/year Opacity shall not exceed 20 percent as a 3-minute average for the fugitive emissions.

2. Additional Terms and Conditions

a. None.

B. Operational Restrictions

1. None.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily observations for any visible particulate emissions from the emissions unit, other than water vapor. These observations shall be performed by a person who is trained in recording visible emissions. 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.

D. Reporting Requirements

1. The permittee shall submit an annual report which identify any exceedances of the above conditions, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year. If an exceedance did not occur during the reporting time period, then a report stating that fact is required.
2. For each excursion event, the following information shall be provided:
 - a. the date of the excursion;

- b. the time interval over which the excursion occurred;
- c. the operating rates during the excursion;
- d. the cause(s) of the excursion; and,
- e. the corrective action(s) which have or will be taken to prevent similar excursions in the future.

E. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

a. Emission Limitation

0.048 pound Particulate Emissions/hour, 0.21 tons Particulate Emissions/Year

Applicable Compliance Method

If required, the permittee shall demonstrate compliance by testing in accordance with emission factors contained in AP-42, Table 11.12-2, Truck Loading (0.02 pound/ton material loaded):

b. Emission Limitation

Visible particulate emissions from any stack shall not exceed twenty percent opacity, as a three-minute average, except as provided by rule.

Applicable Compliance Method

If required, compliance shall be demonstrated by the Method 9 or Method 22, 40 CFR Part 60, Appendix A.

F. Miscellaneous Requirements

1. None.

II. MATERIAL HANDLING (F002)

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>
Material handling (F002)	OAC Rule 3745-31-05	3.58 pounds particulate emissions/hour 15.7 tons particulate emissions/year 0.030 gr/dscf or no visible emissions from the stack.

2. Additional Terms and Conditions

a. None.

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 point.
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 the 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 emissions of fugitive dust at the points of capture. The fabric filter shall achieve an outlet emissions rate of not greater than 0.030 grain per dry standard cubic foot of exhaust gases or there shall be no visible emissions from the outlet, whichever is less stringent.

C. Monitoring and/or Recordkeeping Requirements

1. 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.
2. The permittee shall perform daily observations for any visible particulate emissions from the emissions unit, other than water vapor. These observations shall be performed by a person who is trained in recording visible emissions. 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.

D. Reporting Requirements

1. The permittee shall submit an annual report which identify any exceedances of the above conditions, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year. If an exceedance did not occur during the reporting time period, then a report stating that fact is required.
2. For each excursion event, the following information shall be provided:
 - a. the date of the excursion;
 - b. the time interval over which the excursion occurred;
 - c. the operating rates during the excursion;
 - d. the cause(s) of the excursion; and,

- e. the corrective action(s) which have or will be taken to prevent similar excursions in the future.

E. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

- a. Emission Limitation

3.58 pounds Particulate Emissions/hour, 15.7 tons Particulate Emissions/Year or 0.030 gr/dscf

Applicable Compliance Method

If required, the permittee shall demonstrate compliance by calculating emissions in accordance with emission factors contained in AP-42, Table 11.12-2, Cement Unloading, Sand and Aggregate Transfer (ef = 0.30 pound/ton).

- b. Emission Limitation

No visible emissions from the stack.

Applicable Compliance Method

If required, compliance shall be demonstrated by the Method 9 or Method 22, 40 CFR Part 60, Appendix A.

F. Miscellaneous Requirements

1. None.

III. MATERIAL STORAGE PILES (F003)

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>
Material storage piles (F003)	OAC Rule 3745-31-05	See Section B.2 below.

2. Additional Terms and Conditions

- a. None.

B. Operational Restrictions

1. The permittee shall employ Best Available Technology to control particulate emissions from the material storage piles. Control measures shall include, but not be limited to, the following:
 - a. minimize drop heights;
 - b. watering; and,
 - c. low storage pile heights.
2. For material storage piles, there shall be no visible particulate emissions except for a period of time not to exceed one minute during any sixty-minute observation period.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily observations for any visible particulate emissions from the emissions unit, other than water vapor. These observations shall be performed by a person who is trained in recording visible emissions. 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.

D. Reporting Requirements

1. The permittee shall submit an annual report which identify any exceedances of the above conditions, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year. If an exceedance did not occur during the reporting time period, then a report stating that fact is required.
2. For each excursion event, the following information shall be provided:

- a. the date of the excursion;
- b. the time interval over which the excursion occurred;
- c. the operating rates during the excursion;
- d. the cause(s) of the excursion; and,
- e. the corrective action(s) which have or will be taken to prevent similar excursions in the future.

E. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1. and B.2. of these terms and conditions shall be determined in accordance with the following method(s):

a. Emission Limitation

No visible particulate emissions (except for 1 minute per 60 minute period).

Applicable Compliance Method

If required, the permittee shall demonstrate compliance by testing in accordance with Method 9 or Method 22, 40 CFR Part 60, Appendix A. If required, the permittee shall demonstrate compliance by calculating emissions (0.04 pound/hour particulate emissions, 0.18 TPY particulate emissions) in accordance with emission factors contained in AP-42, Table 11.12-2, Storage Piles (ef = 3.5 pounds/acre/day).

F. Miscellaneous Requirements

1. None.

IV. ROADWAYS AND PARKING AREAS (F004)

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>
Roadways and parking areas (F004)	OAC Rule 3745-31-05	See Section B below.

2. Additional Terms and Conditions

a. None.

B. Operational Restrictions

1. There shall be no visible particulate emissions from any paved roadway or parking area except for a period of time not to exceed 1 minute during any 60-minute observation period.
2. There shall be no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed 3 minutes during any 60-minute observation period.
3. The permittee shall sweep the paved roadways and parking areas to minimize or eliminate, at all times, visible emissions of fugitive dust generated by vehicular traffic. The following equipment shall be used to sweep the roadways and parking areas: broom sweeper. The paved surfaces shall be swept, at a minimum, every week. The permittee shall not be required to sweep during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust.
4. The permittee shall apply dust suppressants to the unpaved roadway and parking areas to minimize or eliminate, at all times, visible emissions of fugitive dust generated by vehicular traffic. Water shall be used as the dust suppressant, and the following equipment shall be used for the periodic applications: water sprinkling system with a recovery tank. The dust suppressant shall be applied to the unpaved surfaces, as needed to comply with the allowable particulate matter emission rate. This term and condition shall be waived during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust.
5. Any material carried off of the permittee's property and deposited onto public streets be vehicular

traffic or by erosion by water, etc., shall be promptly removed and disposed of properly to minimize or prevent resuspension.

6. A maximum speed limit of 10 miles per hour shall be posted and enforced on all unpaved roads and parking areas on the property.
7. Open bodied vehicles transporting materials likely to become airborne shall be covered at all times.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain records which include the following information for the paved roadways and parking areas:
 - a. the date the paved surfaces were swept/flushed;
 - b. the portions of the paved surfaces that were swept/flushed; and,
 - c. the name of the equipment operator responsible for the sweeping/flushing.
2. The permittee shall maintain records which include the following information for the unpaved roadways and parking areas:
 - a. the date and time dust suppressants were applied to the unpaved surfaces;
 - b. the portions of unpaved surfaces that were treated with dust suppressants;
 - c. the application rate of water and any chemical additives (gallons of each per square yard); and,
 - d. the name of the equipment operator responsible for the application of the dust suppressants.

D. Reporting Requirements

1. None.

E. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.1. and B of these terms and conditions shall be determined in accordance with the following method(s):

a. Emission Limitation

Visible emissions limitations from paved/unpaved roadway and parking areas (paved: 1 minute/60 minute period, unpaved: 3 minutes/60 minute period).

Applicable Compliance Method

If required, the permittee shall demonstrate compliance by testing in accordance with Method 9 or Method 22, 40 CFR Part 60, Appendix A. If required, the permittee shall demonstrate compliance by calculating (0.17 pound/hour particulate emissions, 0.75 TPY particulate emissions) emissions in accordance with emission factors contained in RACM, Section 2.1.1.2, Equation 2.

F. Miscellaneous Requirements

1. None.