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State of Ohio Environmental Protection Agency

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

Re: Permit to Install
Licking County
Application No: 01-7339
NSPS

CERTIFIED MAIL
RECEIVED
FEB 10 1998
OHIO EPA/CDO

February 4, 1998

VAN WEY SAND AND GRAVEL
RICHARD VAN WEY
6824 MT VERNON RD, NE
NEWARK, OH 43055

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

cc: US EPA
CENTRAL DISTRICT OFFICE, DAPC



Permit to Install Terms and Conditions

Application No. 01-7339
APS Premise No. 0145020367
Permit Fee: \$7200.00

Name of Facility: VAN WEY SAND AND GRAVEL

Person to Contact: RICHARD VAN WEY

Address: 6824 MT VERNON RD, NE
NEWARK, OH 43055

Location of proposed source(s): STATE ROUTE 13
NEWTON TOWNSHIP, OHIO

Description of proposed source(s):
FOUR CRUSHING AND SCREENING PLANTS, MATERIAL HANDLING, STORAGE PILES, AND PAVED AND UNPAVED ROADWAYS AND PARKING.

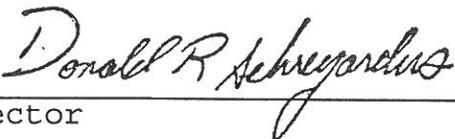
Date of Issuance: February 4, 1998

Effective Date: February 4, 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



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)

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 VAN WEY SAND AND GRAVEL located in Licking 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	Sand and gravel screening - Plant No. 1	Compliance with applicable rules and permitted limits, along with wet suppression.	3745-31-05 40 CFR 60 Subpart 000	0.591 ton PM/yr; Opacity shall not exceed 10% as a 6 minute average; See Additional Special Terms and Conditions.
F002	Sand and gravel crushing and screening - Plant No. 2	Compliance with applicable rules and permitted limits, along with wet suppression.	3745-31-05 40 CFR 60 Subpart 000	0.573 ton PM/yr; Opacity shall not exceed 10%/15% as a 6 minute average from the screening/crushing; See Additional Special Terms and Conditions.
F003	Sand and gravel crushing and screening - Plant No. 3	Compliance with applicable rules and permitted limits, along with wet suppression.	3745-31-05 40 CFR 60 Subpart 000	0.596 ton PM/yr; Opacity shall not exceed 10%/15% as a 6 minute average from the screening/crushing; See Additional Special Terms and Conditions.
F004	Sand and gravel crushing - Plant No. 4	Compliance with applicable rules and permitted limits, along with wet suppression.	3745-31-05 40 CFR 60 Subpart 000	0.048 ton PM/yr; Opacity shall not exceed 15% as a 6 minute average; See Additional Special Terms and Conditions

<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>
F005	Material handling	Compliance with applicable rules and permitted limits, along with wet suppression.	3745-31-05 40 CFR 60 Subpart 000	1.453 tons PM/yr; Opacity shall not exceed 10% as a 6 minute average; See Additional Special Terms and Conditions.
F006	Storage piles	Compliance with applicable rules and permitted limits, along with reduced drop height and application of suppressant.	3745-31-05 40 CFR 60 Subpart 000	3.23 tons PM/yr; See Additional Special Terms and Conditions.
F007	Paved and unpaved roadways and parking	Compliance with applicable rules and permitted limits, along with speed reduction, good house-keeping, and no visible particulate emissions except for a period of 1 minute/3 minutes during any 60 minute observation period from a paved/unpaved roadway.	3745-31-05	9.73 tons PM/yr; See Additional Special Terms and Conditions.

SUMMARY
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
PM	16.22

NSPS REQUIREMENTS

The following sources are subject to the applicable provisions of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

<u>Source No.</u>	<u>Source Description</u>	<u>NSPS Regulation (Subpart)</u>
F001-F006	Crushing, screening, material handling, storage.	000

The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:

- a. construction date (no later than 30 days after such date);
- b. anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
- c. actual start-up date (within 15 days after such date); and
- d. date of performance testing (If required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
P.O. Box 163669
Columbus, OH 43216-3669

and OEPA Central District Office - DAPC
3232 Alum Creek Drive,
Columbus, Ohio 43207-3417

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 Central District Office - DAPC, 3232 Alum Creek Drive, Columbus, Ohio 43207-3417.

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 reported immediately to the OEPA Central District Office - DAPC, 3232 Alum Creek Drive, Columbus, Ohio 43207-3417.

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.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

A. Operational Requirements

1. 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 paved surfaces shall be swept, at a minimum, when visible emissions can be seen. The permittee shall not be required to sweep during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust.

The permittee shall apply dust suppressants to the unpaved roadways and parking areas to minimize or eliminate, at all times, visible emissions of fugitive dust generated by vehicular traffic. The dust suppressant shall be applied to the unpaved surfaces, at a minimum whenever fugitive dust can be seen. This term

and condition shall be waived during wet conditions when there is sufficient moisture to prevent visible emissions of fugitive dust.

Any material carried off of the permittee's property and deposited onto public streets by vehicular traffic or by erosion by water, etc., shall be promptly removed and disposed of properly to minimize or prevent resuspension.

A maximum speed limit of 15 miles per hour shall be posted and enforced on the property.

Open bodied vehicles transporting materials likely to become airborne shall be covered at all times.

2. All storage piles shall contain sufficient moisture so as to minimize or eliminate visible emissions caused by wind erosion.

There shall be no visible particulate emissions from the material storage piles except for a period of time not to exceed three minutes during any sixty-minute observation period.

During the unloading onto or removal from the storage piles, the drop height of the front-end loader shall be minimized in order to minimize or eliminate visible emissions of fugitive dust.

B. Monitoring and 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;
 - b. the portions of the paved surfaces that were swept; and,
 - c. the name of the equipment operator responsible for the sweeping.
2. The permittee shall maintain records which include the following information for the unpaved roadways and parking areas:
 - a. the date 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.
3. The permittee shall maintain monthly records of the total tons of aggregate processed by these emission units.

C. Reporting Requirements

1. The permittee shall submit annual reports that identify the annual aggregate production rate. These reports shall be submitted by January 31 of each year.

D. Testing Requirements

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

a. Emission Testing Requirements

Fugitive particulate emissions from material handling and screening operations shall not exceed 10 percent opacity as a six minute average.

Applicable Compliance Method

Method 9 of 40 CFR Part 60, Appendix A

b. Emission Testing Requirements

Fugitive particulate emissions from crushing operations shall not exceed 15 percent opacity as a six minute average.

Applicable Compliance Method

Method 9 of 40 CFR Part 60, Appendix A

c. Emissions Testing Requirements

0.591 ton PM/year from F001

Applicable Compliance Method

Multiply the emission factor of 0.00084 pound PM/hour (for screening operations) by the number of tons/hour screened (by F001) by 8760 hours/year and divide by 2000 pounds/ton.

d. Emission Testing Requirements

0.573 ton PM/year from F002

Applicable Compliance Method

Multiply the emission factor of 0.00084 pound/hour (for screening operations) by the number of tons/hour screened (by F002) by 8760 hour/year and divide by 2000 pounds/ton. Then, multiply the emission factor of 0.00059 pound PM/hour (for crushing operations) by the number of tons/hour crushed (by F002) by 8760 hours/year and divide by 2000 pounds/ton. Add the two factors together for a total tons/year.

e. Emission Testing Requirements

0.596 ton PM/year from F003

Applicable Compliance Method

Multiply the emission factor of 0.00084 pound PM/hour (for screening operations) by the number of tons/hour screened (by F003) by 8760 hours/year and divide by 2000 pounds/ton. Then, multiply the emission factor of 0.00059 pound PM/hour (for crushing operations) by the number of tons/hour crushed (by F003) by 8760 hours/year and divide by 2000 pounds/ton. Add the two factors together for a total tons/year.

f. Emission Testing Requirements

0.048 ton PM/year from F004

Applicable Compliance Method

Multiply the emission factor of 0.00059 pound PM/hour (for crushing operations) by the number of tons/hour crushed (by F004) by 8760 hours/year and divide by 2000 pounds/ton.

g. Emission Testing Requirements

1.453 tons PM/year from material handling throughout facility

Applicable Compliance Method

Multiply the emission factor of 1.25E-04 pound/ton (for unloading) times the actual number of tons per year unloaded. Then multiply the emission factor of 7.83E-04 pound/ton (for loading) times the actual number of tons per year loaded. Then multiply the emission factor of 4.80E-05 pound/ton (for a transfer point) times the total number of tons per year at that specific transfer point. Do this for

each additional transfer point. Then add all of the above calculations together.

h. Emission Testing Requirements

3.23 tons PM/year for storage piles

Applicable Compliance Method

Multiply the emission factor of $7.83E-04$ pound/ton (for gravel load-in) times the total number of tons per year gravel load-in. Then multiply the emission factor of $2.09E-04$ pound/ton (for sand load-in) times the total number of tons per year sand load-in. Then multiply the emission factor of $7.38E-04$ pound/ton (for gravel load-out) times the total number of tons per year gravel load-out. Then multiply the emission factor of $2.09E-04$ pound/ton (for sand load-out) times the total number of tons per year sand load-out. Add these calculations together with 1.53 tons per year (for wind erosion) to get a total tons/year.