

217/782-2113

CONSTRUCTION PERMIT -- NSPS SOURCE

PERMITTEE

Meyer Material Company
Attn: Rebecca Kazmierski
1819 North Dot Street
McHenry, Illinois 60051

Application No.: 02050060

I.D. No.: 111811AAE

Applicant's Designation:

Date Received: May 16, 2002

Subject: Aggregate Transfer System

Date Issued:

Location: 1819 North Dot Street, McHenry

Permit is hereby granted to the above-designated Permittee to CONSTRUCT emission unit(s) and/or air pollution control equipment consisting of three conveyors as described in the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. The conveyors are subject to New Source Performance Standards (NSPS) for Nonmetallic Mineral Processing Plants, 40 CFR 60, Subparts A and 000. The Illinois EPA is administrating these standards in Illinois on behalf of the United States EPA under a delegation agreement.
- b. Emissions of particulate matter from the transfer points on the belt conveyors (except from truck dumping) shall not exceed 10 percent opacity (40 CFR 60.672(b)).
- c. At all times the Permittee shall also maintain and operate this equipment, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions.
2. This permit is issued based on negligible emissions of particulate matter from the aggregate conveying system. For this purpose, emissions shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/year. These limits are based on the maximum aggregate transfer rate and standard controlled emission factors given by AP-42. Compliance with annual limits shall be determined from a running total of 12 months of data.
3. No person shall cause or allow any visible emissions of fugitive particulate matter from any process, including material handling or storage activity, beyond the property line of the emission source, pursuant to 35 Ill. Adm. Code 212.301.
4. The moisture content of the aggregate as crushed on controlled units shall be at least 1.5% by weight so as to reduce emissions of particulate matter. The Permittee shall demonstrate compliance with this requirements as follows:

- a. The moisture content of a representative sample of the aggregate shall be measured at least once per week using ASTM Procedures (C566-67) for total moisture content of material. Compliance with this requirement may be presumed if moisture content of aggregate as shipped is at least 1.5%; or
 - b.
 - i. Water sprays shall be used on emission units as necessary, except when weather conditions are below or expected to fall below freezing temperatures, to provide moisture that will reduce emissions of particulate matter; and
 - ii. Inspections of water spray equipment and operation (such as leaking, adequate flow rate, clogging of flow lines, etc.) shall be performed at least once per week when the facility is in operation; or
 - c. Water saturated materials mined below the water table are being processed.
5. The Permittee shall maintain the following records:
- a. Monthly records of the aggregate transfer rate (tons/mo, tons/yr);
 - b. Written records of the application of control measures as may be needed for compliance with the opacity limitations. The records shall include at least the following:
 - i. A map or diagram showing the location of all controlled emission sources including the location, identification, length, and width of roadways;
 - ii. For each application of water or chemical solution to roadways by truck: the name and location of the roadway controlled, application rate of each truck, frequency of each application, width of each application, identification of each truck used, total quantity of water or chemical used for each application and, for each application of chemical solution, the concentration and identity of the chemical;
 - iii. For application of physical or chemical control agents: the name of the agent, application rate and frequency, and total quantity of agent and, if diluted, percent of concentration, used each day;
 - iv. A log recording incidents when control measures were not used and a statement of explanation.
 - c. Weekly records of the moisture content measurements.

6. The records required under this permit shall be kept and maintained for at least three (3) years and shall be available for inspection and copying by the Illinois and US EPA representatives during working hours.
 - 7a. Within 60 days after achieving the maximum production rate at which the affected facilities will be operated, but not later than 180 days after initial startup, performance test shall be conducted during conditions which are representative of maximum emissions.
 - b. USEPA Method 9 referred to in 40 CFR 60, Appendix A shall be used for testing of emissions.
 - c. Testing shall be performed by a certified observer.
 - d. The Illinois EPA shall be notified prior to these tests to enable the Illinois EPA to observe these tests. Notification for the expected date of testing shall be submitted a minimum of thirty (30) days prior to the expected date. Notification of the actual date and expected time of testing shall be submitted a minimum of five (5) working days prior to the actual date of the tests. The Illinois EPA may, at its discretion, accept notification with shorter advance notice provided that the Illinois EPA will not accept such notifications if it interferes with the Illinois EPA's ability to observe the testing.
8. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing, or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency
Division of Air Pollution Control
1340 North Ninth Street
P.O. Box 19276
Springfield, Illinois 62794-9276

and one (1) copy shall be sent to the Illinois EPA's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency
Division of Air Pollution Control - Regional Office
9511 West Harrison
Des Plaines, Illinois 60016

If you have any questions on this, please call Valeriy Brodsky at 217/782-2113.

Donald E. Sutton, P.E.
Manager, Permit Section
Division of Air Pollution Control

DES:VJB
cc: Region 1