

Illinois Environmental Protection Agency

Notice of Comment Period and Public Hearing
Concerning the Proposed Issuance of a Revised Construction Permit/PSD Approval
to Vulcan Construction Materials for Its Lime Plant in Manteno

Vulcan Construction Materials, 1000 Warrenville Road, Suite 100, Naperville, Illinois, has applied to the Illinois Environmental Protection Agency (Illinois EPA) for a revised construction permit for its lime plant at 6141 N. Route 50 in Manteno. The revised permit would allow Vulcan to restart the plant, which produces metallurgical grade lime. The permit would also address the addition of a preheater tower to the kiln and a spray dryer absorber for control of sulfur dioxide (SO₂) emissions. The lime plant is a major source for emissions of SO₂, particulate matter (PM), nitrogen oxides (NO_x) and carbon monoxide (CO) under the federal rules for Prevention of Significant Deterioration (PSD), 40 CFR 52.21, as its emissions of these pollutants would be above the PSD significant emission thresholds. The resumption of operation of the plant with proposed changes to the kiln requires a review of the determination of Best Available Control Technology (BACT) and the air quality analysis for the plant under the PSD rules.

Based on its review of the application, the Illinois EPA has made a preliminary determination that the application meets the standard for issuance and has prepared a draft permit for public review and comment. The Illinois EPA is holding a public comment period and a hearing to accept comments from the public on the proposed issuance of a permit for this project, prior to making a final decision on the application.

The Illinois EPA Bureau of Air will hold a public hearing on June 4, 2009 at 7:00 pm at the Manteno High School, 443 North Maple in Manteno. The hearing will be held to receive comments and answer questions from the public prior to making a final decision concerning the application. The hearing will be held under the Illinois EPA's "Procedures for Permit and Closure Plans," 35 IAC 166, Subpart A. Lengthy comments and questions should be submitted in writing. Requests for interpreters (including sign language) must be made by May 20, 2009. Any questions about hearing procedures or requests to address special needs should be made to the Illinois EPA, Dean Studer - Hearing Officer, Re: Vulcan Manteno, 1021 N. Grand Ave. E., P.O. Box 19276, Springfield, IL 62794-9276, 217/782-7027.

Written comments must be sent to the Hearing Officer and postmarked by midnight, July 6, 2009, unless otherwise specified by the Hearing Officer. Written comments need not be notarized.

Persons wanting more information may obtain copies of the draft permit and project summary at www.epa.gov/region5/air/permits/ilonline.html (please look under Permits (Sorted by Type), PSD/Major NSR Records, under the listing of sources whose names begin with "V"). These documents and the application can also be viewed at the Manteno Public Library, 50 W. Division St. in Manteno and the Illinois EPA's offices at 9511 West Harrison in Des Plaines, 847/294-4000 and 1340 N. Ninth St., Springfield, 217/782-7027 (for either Illinois EPA location please call ahead to assure that someone will be available to assist you).

For information or requests about the application or draft permit, please contact:
Brad Frost, Community Relations, Illinois EPA, 1021 N. Grand Ave. E., Box 19506, Springfield,
IL 62794-9506, 217/782-2113 or 217/782-9143 TDD.

The Illinois EPA's initial review concludes that the emission control measures now proposed by Vulcan will provide BACT for the lime plant. These measures include the design of the kiln, low excess air and good combustion practices for NO_x and CO, a spray dryer absorber for SO₂, and a baghouse for PM. The addition of a preheater tower to the kiln will improve its energy efficiency and reduce fuel-related emissions.

The air quality analysis submitted by Vulcan shows that the plant with proposed changes will not cause violations of the ambient air quality standards or applicable PSD increments and the plant's impacts on air quality should be lower than when it previously operated. For PM, as PM₁₀, the maximum increment consumption should be no more than 27.5, 24-hour average, and 5.7, annual average, compared to increments of 30 and 17 µg/m³, respectively. For SO₂, the maximum increment consumption should be no more than 69.6, 3-hour, 26.0, 24-hour, and 1.8, annual, compared to increments of 325, 91 and 20 µg/m³, respectively. For NO_x, the maximum increment consumption should be no more than 4.7, annual, compared to the increment of 25 µg/m³. For CO, the plant's air quality impacts will not be significant.