



March 2007

FACT SHEET

Hazardous Waste Management Permit for Lone Star Industries, Inc.

The United States Environmental Protection Agency (U.S. EPA) is proposing to issue a Hazardous Waste Management Permit under the Resource Conservation and Recovery Act (RCRA) to Lone Star Industries, Inc., located in Greencastle, Indiana. This permit addresses requirements for a cement kiln burning hazardous waste at Lone Star Inc., Greencastle Waste-Derived Fuel Facility.

The RCRA Permit is comprised of both this permit, which contains the effective Federal RCRA Permit conditions, and the effective State RCRA Permit conditions issued by the State of Indiana's RCRA program authorized under Title 40 Code of Federal Regulations (CFR) Part 271. The State RCRA permit was issued in December 2006.

Because the U.S. EPA has not yet authorized the State of Indiana to administer certain regulations, including the Boilers and Industrial Furnaces regulations, the U.S. EPA Region 5 is issuing the RCRA permit requirements for operations at the Lone Star's facility which fall under these regulations.

Background

The facility is located at 3301 South County Road 150 West in the City of Greencastle, Indiana. The facility provides for the receipt, blending, and storage of selected waste materials that are used as supplemental fuel in the manufacture of Portland cement.

Lone Star stores hazardous waste derived fuel in tanks and containers and then burns that fuel in a rotary cement kiln to facilitate the production of cement. Lone Star operates a cement kiln unit regulated under the Boiler Industrial Furnace (BIF) requirements.

Basis for Decision to Issue the Permit

In June 2002, Lone Star conducted a comprehensive performance test for front-burning to demonstrate its compliance status with the Maximum Achievable Control Technology (MACT) standards specified in 40 CFR Part 63, Subpart EEE, National Emission Standards for Hazardous Waste Combustors. In September 2002, Lone Star submitted a Notice of Compliance (NOC) for front-burning category. In December 2004 and September 2005, Lone Star conducted

pre-calciner MACT tests. In March 2005 and October 2005, Lone Star submitted a NOC for front and back-burning categories. A Part 70 operating permit was issued by the Office of Air Quality of the IDEM on April 14, 2004. (The expiration date of the Part 70 operating permit is April 14, 2009.)

On April 16, 2002, the U.S. EPA approved the risk assessment report, for both human health and ecological assessments, which were developed based on the risk burn test conducted in December 2000. The risk burn report and the risk assessment report indicate that there is no need to specify risk-based limits in the RCRA permit.

This permit will set general conditions which Lone Star should comply with to operate its cement kiln under the BIF regulations. This draft permit includes conditions to ensure that the operation of the cement kiln complies with the U.S. EPA regulations contained in 40 CFR Section 266, Section 264, and Section 270. More specific operating conditions are specified in the NOCs which Lone Star should comply with. This permit also specifies hazardous waste codes which were not included in the State RCRA permit.

Tentative Decision:

Subject to public notice and comment under 40 CFR Section 124.10, and under the authority of the RCRA as amended by the Hazardous and Solid Waste Amendments of 1984 (HSWA), the U.S. EPA proposes to issue a RCRA Permit to the Lone Star for the burning of hazardous waste fuels in its cement kiln at the Greencastle plant. This permit will be effective until January 17, 2012.

Procedures for Reaching a Final Permit Decision:

This proposed RCRA Permit is based on information contained in the administrative record. The administrative record consists of this fact sheet, Part B Permit Application, emission test reports, risk assessment reports, and other relevant materials that the U.S. EPA has assembled. The administrative record for the Lone Star is on file at the following location and may be reviewed and copied at any time between 8:00 a.m. and 4:30 p.m., Monday through Friday except for legal holidays:

Program Management Branch (DM-7J)
U.S. Environmental Protection Agency
77 West Jackson Blvd.
Chicago, Illinois 60604
Contact: Jae Lee (312) 886-3781 or Toll Free Number 1-800-621-8431

Copies of a draft permit and fact sheet are available at:

Putnam County Public Library
103 E. Popular Street
Greencastle, Indiana 46135

(765) 653-2755

The draft permit and Fact Sheet may also be viewed at:

<http://www.epa.gov/reg5rcra/wptdiv/permits/index.htm>

Comments on this proposed action may be submitted to the addresses listed below, no later than May 15, 2007. You may request that U.S. EPA hold a public hearing about this permit. At a hearing, you would have an opportunity to submit written comments, ask questions, make statements and otherwise discuss any concerns about the permit with U.S. EPA staff. If a public hearing is held, U.S. EPA will make a separate announcement of the date, time, and location of that hearing/meeting 30 days in advance.

Comments, requests for information, and requests for a public hearing should be made to:

Mr. Jae Lee (e-mail: lee.jae@epa.gov) (1-800-621-8431 EXT. 6-3781)
Waste, Pesticides, and Toxics Division (DM-7J)
U.S. Environmental Protection Agency, Region 5
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

After the close of the public comment period, the U.S. EPA will review all comments received and decide whether or not to issue the RCRA Permit. Any final decision will include notification to those who submitted written comments during the official comment period or made a statement at the hearing. The U.S. EPA will also prepare and send to all commenters a document responding to significant comments received during the public comment period. Within 30 days of a final decision, any person who submitted written comments or made a statement at the hearing may petition the U.S. EPA's Environmental Appeals Board to review the decision.

If you have any questions about the permit or public notice process, please feel free to contact Mr. Jae Lee at 1-800 621-8431 ext 6-3781.