



Jeremiah W. (Jay) Nixon, Governor • Mark N. Templeton, Director

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

AUG - 3 2010

CERTIFIED MAIL: 70052570000215831415  
RETURN RECEIPT REQUESTED

Mr. Paul Schell  
Environmental Engineer  
Lone Star Industries, Inc.  
P.O. Box 520  
Cape Girardeau, MO 63702-0520

RE: New Source Review Temporary Permit Request - Project Number: 2010-02-056  
Installation ID Number: 031-0021  
Temporary Permit Number: **08 2 0 1 0 - 0 0 2**  
Expiration Date: June 15, 2012

Dear Mr. Schell:

The Missouri Department of Natural Resources' Air Pollution Control Program has completed a review of your request to burn liquid fuel in the precalciner at your cement plant in Cape Girardeau. The Air Pollution Control Program is hereby granting your request to conduct this temporary operation at this location in accordance with Missouri State Rule 10 CSR 10-6.060(3).

Your facility requested the temporary permit to test the feasibility of burning liquid fuel in your precalciner as a partial replacement for coal. The fuel will be pumped to the precalciner using a skid-mounted pump and control system. The pump system will transfer the liquid fuel directly from the tanker truck to the precalciner burner. Your facility submitted laboratory testing reports of several fuels that it intends to use (i.e. Crystal Clean Alternative Number 2 Fuel Oil, Future Environmental Used Oil and Oil Filter Recyclers) but may test other fuels if they become available. The facility submitted the following as the maximum content for the fuels: Twenty-five % solids, 2.6 weight (wt) % chlorine, 2.9 wt. % sulfur, 3 parts per million (ppm) mercury and 50 ppm Polychlorinated Biphenyls. The facility also indicated that the HAP metals in the fuel will be in compliance with 40 CFR Part 63, subpart EEE, *National Emissions Standards for Hazardous Air Pollutants from Hazardous Waste Combustors*.

Your facility must either test the fuel in each tanker truck or obtain testing results from the manufacturer of the fuels for each tanker truck to show that the content of the fuel does not exceed those listed above. Only fuels considered nonhazardous may be used and the facility must keep documentation showing that the fuels are not hazardous as defined in 40 CFR Part 261. All control devices (i.e. baghouse) used with the unit while burning coal shall also be

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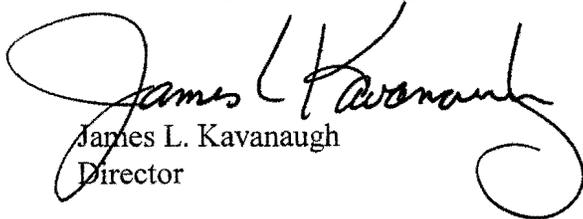
used while burning the nonhazardous fuel. Your facility has until one year (June 15, 2011) after the issuance of this permit to determine the feasibility of using the liquid fuels. During the trials, the facility shall keep an operating log that include at least the date and the duration of the trials, types of fuel being burned, heating value of the fuel, quantity of fuel used and temperature of combustion. If the facility determines that the use of liquid fuels is feasible and would like to apply for a construction permit for the permanent use of these fuels, the facility must conduct performance tests to characterize emissions and the test must be performed before the expiration date of this permit (June 15, 2012). After feasibility has been determined, your facility cannot burn the fuel for any purpose other than to conduct performance tests. The proposed test plan for the performance tests shall be submitted to the permitting section of the Air Pollution Control Program and the plan shall include a list of all the pollutants to be tested.

You are still obligated to meet all applicable air pollution control rules, Department of Natural Resources' rules, or any other applicable federal, state, or local agency regulations. Specifically, you should not violate 10 CSR 10-6.220, *Restriction of Emission of Visible Air Contaminants*, 10 CSR 10-3.090, *Restriction of Emission of Odors* and 10 CSR 10-6.170 *Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin*.

A copy of this letter should be kept with the unit and be made available to Department of Natural Resources' personnel upon request. If you have any questions regarding this determination, please do not hesitate to contact Chia-Wei Young with the Departments' Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102 or by telephone at (573) 751-4817. Thank you for your time and attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM



James L. Kavanaugh  
Director

JLK:cwyl

c: PAMS File: 2010-02-056  
Southeast Regional Office