



Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

## DEPARTMENT OF NATURAL RESOURCES

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**FEB 27 2012**

CERTIFIED MAIL: 70041350000314154448  
RETURN RECEIPT REQUESTED

Mr. Tom Kelpé  
President  
Kelpé Contracting, Inc.  
P.O. Box 100  
Wildwood, MO 63038

RE: New Source Review Temporary Permit Request  
Project Number: 2012-01-058 PORT-0435, Installation ID Number: 183-0244  
Temporary Permit Number **022012-016**  
Expiration Date: April 30, 2012

Dear Mr. Kelpé:

The Missouri Department of Natural Resources' Air Pollution Control Program has completed a review of your request to relocate Kelpé Contracting, Inc.'s PORT-0435 to Ameren UE's Sioux Power Station (Installation ID 183-0001) located at 8501 N. State Rt. 94, West Alton, Missouri 63386 in St. Charles County, S17, T48N, R6E. PORT-0435 has been in storage and was last permitted in 2001. 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), *Temporary Installation Permits*. Operation of this portable crusher at this site shall not go beyond April 30, 2012.

The following equipment will be located at the Ameren UE's Sioux Power Station:

- Excavator Case Model 9050B, S/N DAC0501097, manufactured in 1996;
  - Powered by 270 hp Mitsubishi Model 6D22T diesel engine, S/N 242408
- Impact Crusher Hartl Supertrack Model MT504TCV, rated at 400 tons/hour (actual maximum throughput will be 100 tons/hour), S/N 983-102, manufactured in 1999;
  - An attached 3' x 4' grizzly feeder
  - 48" underconveyor
  - Powered by 390 hp Caterpillar Model 3176 diesel engine, S/N 2AW00681
- Conveyor 36" x 50' Powerscreen Model 5036, S/N 9000586, manufactured in 1997;
  - Powered by 76 hp Cummins diesel engine, S/N 45445330



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The excavator will be used to load broken concrete (which has been placed in a "wind row") into the crusher, with the crushed concrete to be conveyed onto a separate "wind row". A water spray will be applied to the crusher. Once the broken concrete is crushed, the portable crusher will be removed from this site.

Emissions for the project were calculated using emission factors found in the United States Environmental Protection Agency (EPA) document AP-42 Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, Fifth Edition (AP-42). Emissions from the rock-crushing equipment were calculated using emission factors from AP-42 Section 11.19.2 "Crushed Stone Processing and Pulverized Mineral Processing," August 2004. Emissions from the three diesel engines/generators were calculated using emission factors from AP-42 Section 3.3 "Gasoline and Diesel Industrial Engines," (October 1996). Permission to operate the portable crusher at this site is granted for the time period between March 1, 2012 and April 30, 2012 resulting in a maximum potential operating time of 60 days (1440 hours). Potential emissions were calculated assuming hours of operation to be 1440 hours. Potential emissions for this project are summarized in Table 1 below:

Table 1: Potential Emissions Summary (tons)

PM	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>x</sub>	NO <sub>x</sub>	VOC	CO	HAPs
1.63	1.38	1.23	1.12	16.98	1.39	3.66	0.02

Given that the potential emissions are well below 100 tons for each pollutant, the request was made prior to the relocation of the portable crusher (PORT 0435), and ambient air quality standards are expected to be maintained; the proposed temporary permit is granted according to the provisions of Missouri State Rule 10 CSR 10-6.060(3). Subsequent notification should be made to the Air Pollution Control Program once the portable crusher (PORT 0435) is no longer located at the facility.

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 avoid violating 10 CSR 10-6.045 *Open Burning Requirements*, 10 CSR 10-6.220, *Restriction of Emission of Visible Air Contaminants*, 10 CSR 10-6.165 *Restriction of Emission of Odors*, 10 CSR 10-6.170 *Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin*, and 10 CSR 10-6.400 *Restriction of Emission of Particulate Matter From Industrial Processes*.

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A copy of this letter should be kept with the unit and be made available to Department of Natural Resources' personnel upon verbal request. If you have any questions regarding this determination, please do not hesitate to contact Kathy Kolb at 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

A handwritten signature in cursive script that reads "Kyra L. Moore". The signature is written in black ink and is positioned above the printed name and title.

Kyra L. Moore  
Director

KLM:kk1

c: PAMS File: 2012-01-058  
St. Louis Regional Office