



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

DEPARTMENT OF NATURAL RESOURCES

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JUL 10 2015

Mr. Dennis Richardson
Vice President of Operations
Kissick Construction Co.
8131 Indiana
Kansas City, MO 64098

RE: New Source Review Temporary Permit Request - Project Number: 2015-05-031

Installation ID Number: 165-0007

Temporary Permit Number **07 2015 - 004**

Expiration Date: September 30, 2015

Dear Mr. Richardson:

The Missouri Department of Natural Resources' Air Pollution Control Program has completed a review of your request to relocate PORT-0710 to crush concrete and bottom ash at the Kansas City Power and Light Iatan's facility in Weston, Missouri in Platte County (S31 T54N R36W). 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).

Kissick Construction Co. plans to relocate PORT-0710 consisting of a grizzly, primary crusher and three conveyors. The loader will be used to load broken concrete/ash from the existing stockpile into the crusher and then conveyed onto a separate stockpile. Water spray devices will be operated while the portable plant is located at this site. All of the crushed aggregate will remain onsite, therefore there are no haul roads calculated for this project. Once the broken concrete/ash 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. The plant will be powered by diesel engine, however it meets the definition of nonroad engine as defined in 40 CFR 89.2 (1)(i). Therefore, the emissions of the engine were not included in the project emissions.

There are trace element concentrations in coal bottom ash as stated in Table 6, "Reuse Options For Coal Fired Power Plant Bottom Ash and Fly Ash," Jayaranjan, Hullebusch, and

Annachhatrewe, 01 April 2014. The highest concentration found in subbituminous coal ash for each of the concerned HAPs was used to calculate the HAPs emission from particulate matter. All individual HAPs were below the SMAL and de minimis level. Combined HAPs are below the 25.0 ton de minimis level.

Permission to operate the portable crusher at this site is granted for the time period between July 1, 2015 and September 30, 2015 resulting in a maximum potential operating time of 92 days (2208 hours). Potential emissions were calculated assuming hours of operation to be 2208 hours. Potential emissions for this project are summarized in Table 1 below:

Table 1: Allowable Emissions for 2,208 hours of Operation Summary (tons)

PM	PM ₁₀	PM _{2.5}	HAPs
<25.0	11.54	1.72	0.0143

Kissick Construction Co. is authorized to construct and operate subject to the following special conditions:

1. Kissick Construction Co. shall install and operate wet spray devices on the crusher (EP-03). Watering may be suspended during periods of freezing condition, when use of the wet spray devices may damage the equipment. During these conditions, Kissick Construction Co. shall adjust the production rate to control emissions from these units. Kissick Construction Co. shall record a brief description of such events.
2. Once the broken concrete/bottom ash is crushed, the portable crusher shall be removed from this site, in any case, no later than September 30, 2015.
3. Kissack Construction Co. shall not exceed 2,208 hours of operation. They shall keep records of the days operated with hours of operation on site.
4. Annual PM Emission Limit
 - A. Kissack Construction Co. shall emit less than 25.0 tons of PM in any consecutive 3-month period from the entire installation while operating at this site.
 - B. Kissack Construction Co. shall demonstrate compliance with Special Condition 4.A using Attachment A or another equivalent form that has been approved by the Air Pollution Control Program, including an electronic form.

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Given that the potential emissions are conditioned below de minimis for each pollutant, the request was made prior to the relocation of the portable crusher (PORT 0710), 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 0710) 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*.

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 department's 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



Kyra L. Moore
Director

KLM:kk1

c: PAMS File: 2015-05-031
Kansas City Regional Office

