

# PERMIT BOOK



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

## DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

~~CERTIFIED MAIL:~~  
~~RETURN RECEIPT REQUESTED~~

Mr. Kevin Noblet  
VP - Generation  
KCP&L Greater Missouri Operations Company - Sibley Generating Station  
33200 E Johnson Rd  
Sibley, MO 64088

RE: New Source Review Temporary Permit Request - Project Number: 2016-01-039

Installation ID Number: 095-0031

Temporary Permit Number:

Expiration Date: April 16, 2016 **012016 - 011**

Dear Mr. Noblet:

The Missouri Department of Natural Resources' Air Pollution Control Program has completed a review of your request to conduct trial testing of two different mercury reduction technologies on Units 1, 2, and 3 at KCP&L Greater Missouri Operations Company - Sibley Generating Station, located in Sibley, Missouri. The Air Pollution Control Program is hereby granting your request to conduct this temporary testing at this location in accordance with Missouri State Rule 10 CSR 10-6.060(3).

KCP&L GMO – Sibley is seeking to conduct trial testing to determine if two different mercury reduction technologies demonstrate compliance with the mercury requirements in 40 CFR Part 63, Subpart UUUUU. KCP&L GMO – Sibley proposes to inject brominated activated carbon (BAC) into the exhaust gas of Unit 3 and apply  $\text{CaBr}_2$  to the coal in the coal feeders for Units 1 and 2. Maximum usage rates will not exceed 300 lb/hr brominated activated carbon and 3 gal/hr/unit  $\text{CaBr}_2$ . Testing will be completed by no later than the 40 CFR Part 63, Subpart UUUUU compliance date of April 16, 2016. Potential emissions, available in Table 1, from this temporary project were based on 1,968 hours of operation and are less than 100 tons per year for each pollutant as required by 10 CSR 10-6.060(3).

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**Table 1: Project Potential Emissions (tons/1,968 hours)**

Emission Source	PM (tons)	PM <sub>10</sub> (tons)	PM <sub>2.5</sub> (tons)
Paved Receiving Haul Road	0.01	0.002	0.0005
BAC Silo	0.001	0.001	0.0001
Unit 3 Stack Increase	6.50	5.79	0.76
Units 1 & 2 Stack Increases	4.61	4.61	4.61
Fly Ash Silo Increase	0.36	0.12	0.12
Ash Loadout to Trucks Increase	0.13	0.04	0.04
Unpaved Landfill Haul Road Increase	0.80	0.23	0.02
Ash Loadout to Landfill Increase	0.13	0.04	0.04
Temporary Project Total	12.52	10.83	5.59
10 CSR 10-6.060(3) Threshold	<100	<100	<100

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 10-6.405 *Restriction of Particulate Matter Emissions From Fuel Burning Equipment Used for Indirect Heating*.

A copy of this letter should be kept with the units 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 Alana Hess at the departments' Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102 or by telephone at (573) 75 1-4817. Thank you for your time and attention to this matter.

Sincerely,  
AIR POLLUTION CONTROL PROGRAM

  
Kyra L. Moore  
Director

KLM:ahs

c: PAMS File: 2016-01-039  
Kansas City Regional Office