



Missouri Department of dnr.mo.gov

# NATURAL RESOURCES

Michael L. Parson, Governor

Carol S. Comer, Director

December 29, 2020

Michael Hutcheson  
Air Quality Permitting and Compliance Supervisor  
Ameren Missouri  
P.O. Box 66149 mc 602  
St. Louis, MO 66149

RE: New Source Review Permit Amendment - Permit Number: 072017-020A  
Project Number: 2018-08-029; Installation Number: 099-0016

Dear Michael Hutcheson:

This permit amendment is in response to your application received August 14, 2018. Ameren Missouri Rush Island Energy Center performed maximum heat input capacity testing on auxiliary boiler B-5 (which was installed under minor NSR Permit 072017-020) as required by NSPS Db. According to the permit amendment application, testing showed 24-hour fuel consumption of 17,814 gallons. This is less than the 27,054 gallons per 24-hours based upon the boiler design of 155 MMBtu/hr heat input.

In minor NSR Permit 072017-020, the boiler was limited to 987,491 gallons of fuel usage per 12-month period to meet the 10% annual capacity requirements of NSPS Db and the limited use requirements of MACT Subpart DDDDD. As the boiler's 24-hour fuel consumption is lower than originally permitted, the current limit of 987,491 gallons per 12-month period no longer restricts the boiler to 10% annual capacity; therefore, the limit is being reduced from 987,491 to 650,211 gallons per 12-month period. This affects Special Condition 2 of minor NSR Permit 072017-020. Emissions associated with the boiler have been revised as summarized in Table 1.

**Table 1: Minor NSR Permit 072017-020A Updated Emissions Summary (tpy)<sup>1</sup>**

Pollutant	Regulatory <i>De Minimis</i> Level	Screening Model Action Level (SMAL)	Amended Combined Project PTE
PM	25.0	N/A	18.41
PM <sub>10</sub>	15.0	N/A	5.74
PM <sub>2.5</sub>	10.0	N/A	2.62
SO <sub>2</sub>	40.0	N/A	2.31E-1
NO <sub>x</sub>	40.0	N/A	7.80
VOC	40.0	N/A	9.31E-2

<sup>1</sup> N/A = Not Applicable; N/D = Not Determined



<b>Pollutant</b>	<b>Regulatory <i>De Minimis</i> Level</b>	<b>Screening Model Action Level (SMAL)</b>	<b>Amended Combined Project PTE</b>
CO	100.0	N/A	1.65
Lead	0.6	N/A	1.05E-3
Combined HAPs	25.0	N/A	3.39E-2
Formaldehyde (50-00-0)	10.0	2	1.98E-2
Toluene (108-88-3)	10.0	10	2.10E-3
Benzene (71-43-2)	10.0	2	9.29E-5
Antimony Compounds	10.0	5	3.89E-5
Arsenic Compounds	10.0	0.005	1.60E-3
Beryllium Compounds	10.0	0.008	2.05E-4
Cadmium Compounds	10.0	0.01	2.31E-4
Chromium Compounds	10.0	0.002	1.11E-5
Cobalt Compounds	10.0	0.1	1.85E-4
Lead Compounds	10.0	0.01	1.05E-3
Manganese Compounds	10.0	0.8	2.33E-3
Mercury Compounds	10.0	0.01	1.38E-4
Nickel Compounds	10.0	1	8.30E-4
Selenium Compounds	10.0	0.1	1.26E-3

If you were adversely affected by this permit decision, you may be entitled to pursue an appeal before the administrative hearing commission pursuant to §§ 621.250 and 643.075.6 RSMo. To appeal, you must file a petition with the administrative hearing commission within 30 days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed; if it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the administrative hearing commission, whose contact information is: Administrative Hearing Commission, United States Post Office Building, 131 West High Street, Third Floor, P.O. Box 1557, Jefferson City, Missouri 65102, phone: 573-751-2422, fax: 573-751-5018, website: [www.ao.mo.gov/ahc](http://www.ao.mo.gov/ahc).

Michael Hutcheson  
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If you have any questions regarding this amendment, please do not hesitate to contact Alana Hess, at the department's Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102 or at (573) 751-4817. Thank you for your attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

A handwritten signature in blue ink that reads "Kendall B. Hale". The signature is written in a cursive style.

Kendall B. Hale  
Permits Section Chief

KBH:aha

Enclosures

c: St. Louis Regional Office  
PAMS File: 2018-08-029

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**SPECIAL CONDITIONS:**

The permittee is authorized to construct and operate subject to the following special conditions:

*The special conditions listed in this permit were included based on the authority granted the Missouri Air Pollution Control Program by the Missouri Air Conservation Law (specifically 643.075) and by the Missouri Rules listed in Title 10, Division 10 of the Code of State Regulations (specifically 10 CSR 10-6.060). For specific details regarding conditions, see 10 CSR 10-6.060(3)(E) "Conditions required by permitting authority."*

Ameren Missouri Rush Island Energy Center  
Jefferson County, S4,5,8,9, T39N, R7E

1. **Superseding Condition**  
The conditions of this permit supersede Special Condition 2.A. of minor NSR Permit 072017-020 previously issued by the Air Pollution Control Program.
2. **Fuel Throughput**  
Ameren Missouri Rush Island Energy Center shall not combust more than 650,211 gallons of distillate oil in auxiliary boiler (B-5) in any 12-month period.
3. **Record Keeping and Reporting Requirements**
  - A. Ameren Missouri Rush Island Energy Center shall maintain all records required by this permit for not less than five years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request. These records shall include SDS for all materials used.
  - B. Ameren Missouri Rush Island Energy Center shall report to the Air Pollution Control Program's Compliance/Enforcement Section, P.O. Box 176, Jefferson City, MO 65102 or by e-mail at [AirComplianceReporting@dnr.mo.gov](mailto:AirComplianceReporting@dnr.mo.gov), no later than 30 days after the end of the period during which any record required by this permit shows an exceedance of a limitation imposed by this permit.