



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

## DEPARTMENT OF NATURAL RESOURCES

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JAN 13 2014

Craig Giesmann, P.E.  
Manager, Hydro Engineering  
Ameren Missouri  
1901 Chouteau Avenue  
P.O. Box 66149, MC 602  
St. Louis, MO 63166-6149

RE: Groundwater Detection Monitoring System for a Proposed Utility Waste Landfill,  
Ameren Missouri Labadie Energy Center, Franklin County

Dear Mr. Giesmann:

On December 11, 2013, the Missouri Department of Natural Resources' (Department) Solid Waste Management Program (SWMP) received the proposed groundwater detection monitoring system for the proposed utility waste landfill titled "Ameren Missouri Labadie Energy Center Groundwater Detection Monitoring System for a Proposed Utility Waste Landfill Franklin County, Missouri", dated November 2013, and prepared on behalf of Ameren Missouri by Reitz & Jens, Inc. and Gredell Engineering Resources, Inc. The revised application contained Appendix X(b) which justifies the installation of supplemental wells to the previously approved network installed. The SWMP and Missouri Geological Survey reviewed this document to ensure compliance with 10 CSR 80-11.010(11).

This document proposes to supplement the existing twenty nine (29) well monitoring network by installing seven (7) additional groundwater monitoring wells. The additional wells include four (4) shallow wells designated as MW-29, MW-30, MW-31 and MW-32 and three (3) deep wells designated as MW-33D, MW-34D and MW-35D. The wells, as proposed, are in the vicinity of existing up and down gradient monitoring wells.

The SWMP grants the facility approval to install the proposed supplemental monitoring network. These wells, upon installation and sampling, shall become part of the statistical background information for the facility. Please be reminded that should installation cause damage to the existing network, those wells shall be repaired or replaced and the SWMP shall be notified of the event in writing.



SCHEDULE CJG-ST2

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Ameren Missouri Labadie Energy Center UWLF  
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If you have any questions concerning this letter, please contact Mr. Darrell Hartley of my staff at (573) 526-3940 or at P.O. Box 176, Jefferson City, Missouri, 65102-0176.

Sincerely,

SOLID WASTE MANAGEMENT PROGRAM



Charlene S. Fitch, P.E.  
Chief, Engineering Section

CSF:dhl

c: Mr. Paul Pike, Ameren Missouri  
Tom Gredell, P.E., Gredell Engineering Resources, Inc.  
Mr. Paul Reitz, Reitz & Jens, Inc.  
Mr. Peter Price, Chief, Environmental Geology Section, Missouri Geological Survey  
Mr. Chris Wieberg, Unit Chief, Water Protection Program  
St. Louis Regional Office via Electronic Shared File