



HALEY & ALDRICH, INC.
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Phoenix, AZ 85004
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13 October 2022
File No. 129342-051

Associated Electric Cooperative, Inc.
2814 South Golden Avenue
P.O. Box 754
Springfield, Missouri 65801-0754

Attention: Jenny Jones – Manager, Land and Water Resources

Subject: Assessment Monitoring Program February 2022 Sampling Event
Statistically Significant Level Notification
New Madrid Power Plant – Lined Pond

Dear Ms. Jones:

Associated Electric Cooperative, Inc. (AECI) has implemented the U.S. Environmental Protection Agency Federal Coal Combustion Residuals Rule (Code of Federal Regulations Title 40 [40 CFR] §§ 257 and 261) effective 19 October 2015, along with subsequent revisions, for the New Madrid Power Plant in Marston, Missouri. AECI provided Haley & Aldrich, Inc. with groundwater monitoring data collected from the Lined Pond groundwater monitoring system that meets the requirements of 40 CFR §§ 257.91 and 257.93. This memorandum documents the results of statistical analyses conducted to determine if Appendix IV groundwater monitoring constituents detected in wells downgradient of the Lined Pond are present at a statistically significant level (SSL) above groundwater protection standards (GWPS) consistent with the requirements in 40 CFR § 257.95.

Results of the statistical analyses completed on 13 September 2022 of the February 2022 assessment monitoring sampling event data for each analyte/well combination indicate a SSL above GWPS for cobalt at monitoring well P-7 at the Lined Pond.

Sincerely yours,
HALEY & ALDRICH, INC.

A handwritten signature in black ink, appearing to read "Steve Putrich".

Steve Putrich, P.E.
Project Principal

A handwritten signature in blue ink, appearing to read "Mark Nicholls".

Mark Nicholls, P.G.
Lead Hydrogeologist