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File No. 0129420

TO: Southern Indiana Gas and Electric Company

FROM: Haley & Aldrich, Inc.

SUBJECT: Semi-Annual Remedy Selection Progress Report Pursuant to 40 CFR §257.97(a)
A.B. Brown Generating Station – Ash Pond

The Southern Indiana Gas and Electric Company (SIGECO) initiated an evaluation of the nature and extent of contamination and an assessment of corrective measures for the Ash Pond at the A.B. Brown Generating Station on April 15, 2019, in response to a statistically significant level (SSL) of an Appendix IV constituent exceeding Groundwater Protection Standards (GWPS). Pursuant to Title 40 Code of Federal Regulations (40 CFR) §257.96(a), a demonstration of need for a 60-day extension for the assessment of corrective measures was completed on July 12, 2019. The Corrective Measures Assessment (CMA) Report was completed and placed in the facility operating record on September 13, 2019.

Following completion of the CMA, SIGECO must, as soon as feasible, select a remedy that meets the standards listed in 40 CFR §257.97(b). Pursuant to 40 CFR §257.97(a), the owner or operator of a coal combustion residual management unit that has completed a CMA for groundwater shall prepare a semi-annual report describing the progress made in selecting and designing the remedy. This report documents activities completed in support of selecting and designing a remedy during the period from September 13, 2025, through March 13, 2026. A summary of the progress in selecting a remedy is provided below.

Summary of Actions Completed

The following actions have been completed during this reporting period:

- November 5 to 7, 2025 – Collected groundwater samples from monitoring wells at the Ash Pond for laboratory analysis in accordance with 40 CFR § 257.95(b) and 40 CFR § 257.95(d)(1). Groundwater elevations were measured in a synoptic round prior to sampling in accordance with 40 CFR § 257.93(c);
- February 25, 2026 - Completed statistical analysis of November 2025 assessment monitoring laboratory analytical results received on December 25, 2025, to determine if SSLs of Appendix IV constituents are present downgradient from the Ash Pond at concentrations greater than the GWPS (consistent with 40 CFR §257.95);
- Continued implementation of a pilot study for the feasibility of in-situ redox manipulation (ISRM) as an alternative remedy, monitored performance and began evaluation of the results to inform the selection of remedy.

Planned Activities

Anticipated activities for the upcoming six months include the following:

- Conduct semi-annual groundwater sampling in May 2026 consistent with 40 CFR § 257.95(b) and 40 CFR § 257.95(d)(1).
- Continue performance monitoring of the pilot study for the feasibility of ISRM technology as an alternative remedy and evaluate the results to inform the selection of remedy.
- Expand pilot study implementation downgradient of the Ash Pond to a second target location representing differing lithology and geochemistry to verify the overall feasibility of ISRM technology as an alternative remedy for this unit.
- As soon as feasible, select a remedy that, at a minimum, meets the standards outlined in 40 CFR § 257.95(b) and considers the evaluation factors in 40 CFR § 257.95(c).
- Following remedy selection, initiate remedial activities and implement the corrective action groundwater monitoring program as outlined in 40 CFR § 257.98.

https://haleyaldrich.sharepoint.com/sites/VectrenCorporation/Shared Documents/0129420.AB Brown/Deliverables/2_SoR Progress Reports/2026 March/2026-0311_HAI_ABB_AP-Semiannual_SOR_F.docx