



Southern Illinois Power Cooperative

11543 Lake of Egypt Road
Marion, IL 62959
(618) 964-1448 Fax (618) 964-1867

November 17, 2023

Illinois Environmental Protection Agency
DWPC - Permits MC#15
Attn: Part 845 Coal Combustion Residuals Rule Submittal
1021 North Grand Avenue East
Springfield, IL 62794-9276

**RE: SOUTHERN ILLINOIS POWER COOPERATIVE
MARION POWER PLANT
FORMER EMERY POND
DATA TRANSMITTAL September 2023**

Dear Program Reviewer:

Consistent with the requirements of 35 Illinois Administrative Code Part 845.610(b)(3)(D), please find enclosed the groundwater monitoring data collected in September 2023 relative to the former Emery Pond. This is the tenth round of data collected since closure by removal of the former Emery Pond was completed on April 5, 2021. Southern Illinois Power Cooperative (SIPC) determined detections above background, detections above the groundwater protection standards (GPS), and significant decreases (SSDs) using the methods described in the Groundwater Monitoring Plan Addendum #1 prepared by WSP USA Inc., formerly known as Golder Associates USA Inc., and dated October 2021.

Monitoring wells EP-2 and EP-5 were unable to be sampled in September 2023 due to lack of sample volume. Both wells were purged dry and did not recharge within 24 hours. All other locations were sampled in accordance with the Groundwater Monitoring Plan Addendum #1.

The following constituents were detected at statistically significant levels above background:

- Arsenic
- Boron
- Calcium
- Chloride
- Cobalt
- pH
- Sulfate
- Total Dissolved Solids



SIPC is an equal opportunity provider and employer.

The following constituents were detected at statistically significant levels above the applicable GPS:

- Boron
- Calcium
- Chloride
- Cobalt
- pH
- Sulfate
- Total Dissolved Solids

The following SSDs were identified at monitoring well EP-4:

- Arsenic
- Thallium

Closure by removal of the former Emery Pond served as part of the approved groundwater correction action. SIPC will continue to monitor groundwater and report the results on a quarterly basis until concentrations are below the GPS for a period of three consecutive years.

Should you have any questions or comments regarding this Quarterly Progress Report, do not hesitate to contact me via my email address, wwatson@sipower.com.

Sincerely,

Wendell Watson

Wm 11/17/23

Wendell Watson
Director of Environmental Services
Southern Illinois Power Cooperative

cc: Mark Haney - WSP USA Inc.
Danielle Sylvia Cofelice - WSP USA Inc.