



## Southern Illinois Power Cooperative

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November 04, 2024

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 2024**

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 2024 relative to the former Emery Pond. This is the thirteenth 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. All 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](mailto:wwatson@sipower.com).

Sincerely,

Wendell Watson

*Wm* 10/24/24

Wendell Watson  
Director of Environmental Services  
Southern Illinois Power Cooperative

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