

October 13, 2021

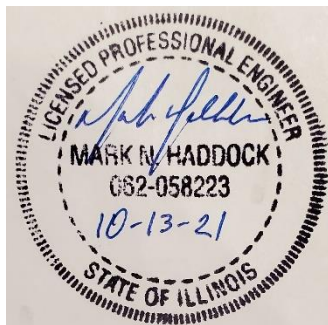
Certification of Appropriateness of Selected Statistical Method (35 IAC §845.640(f)(2))

**Southern Illinois Power Cooperative
Former Emery Pond
Marion Power Plant**

I, Mark Haddock, being a Professional Engineer in accordance with the laws of the State of Illinois, and having experience in the collection and interpretation of information from groundwater monitoring systems at surface impoundments, do hereby state that I am qualified in the subject matter of statistical analysis of CCR groundwater monitoring data. I have personally examined and am familiar with the statistical methods selected for evaluation of groundwater monitoring information for the Southern Illinois Power Cooperative (SIPC) former Emery Pond, prepared by Golder Associates Inc. and dated October 2021. Based on an inquiry of those individuals immediately responsible for selecting the statistical approach, I believe that the selected statistical methods, a narrative of which is provided herein, are appropriate for the applications outlined below.

SIPC has selected statistical methods that were developed in accordance with the requirements of 35 IAC §845.640 using methodology presented in Statistical Analysis of Groundwater Data at RCRA Facilities, Unified Guidance, March 2009, EPA 530/R-09-007 (Unified Guidance). The statistical evaluation techniques described in the Groundwater Monitoring Plan Addendum #1 (Golder, October 2021) will be used for Corrective Action monitoring.

In consideration of the above and in accordance with 35 IAC §845.640(f)(2), I certify to the best of my knowledge, information, and belief that the statistical methodologies described herein are appropriate for evaluating the groundwater monitoring data for the former Emery Pond.



Mark Haddock
Illinois Professional Engineer
License #062-058223

October 13, 2021
Date