

Groundwater Monitoring System for Bottom Ash Pond

The groundwater monitoring system for the Bottom Ash Pond consists of five wells. The wells are identified as MW-3, MW-4, MW-5, MW-6, and MW-8. MW-3 and MW-6 are located hydraulically upgradient of the Bottom Ash Pond whereas MW-4, MW-5, and MW-8 are hydraulically downgradient of the Bottom Ash Pond. Monitoring wells MW-3, MW-4, MW-5, and MW-6 were installed between the dates of April 26 and 27, 2016 by Smith & Company of Poplar Bluff, Missouri. Monitoring well MW-8 was installed on April 19, 2017 by Bulldog Drilling, Inc. of Dupou, Illinois. All well construction activities were performed under the direction of a Registered Geologist in the State of Missouri. Well design and installation techniques were completed in accordance with 10 CSR 23-4 which is consistent with the standards summarized in 40 CFR 257.91(e). Well depths are between 30 and 35.5 feet below ground surface. All wells monitor uppermost groundwater, which is contained within the alluvial aquifer at the bottom ash pond site. Each well yields sufficient quantities of water for the purposes of sampling and analysis.

Professional Engineer's Certification

40 CFR 257.91(f) Certification of Groundwater Monitoring System

I, Thomas R. Gredell, P.E., a professional engineer licensed in the State of Missouri, hereby certify in accordance with 40 CFR 257.91(f) that the groundwater monitoring system for the Sikeston Board of Municipal Utilities, Sikeston Power Station, Bottom Ash Pond meets the requirements of 40 CFR 257.91 as found in federal regulation 40 CFR 257, Subpart D – Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments. In addition, the determination was made using recognized and generally accepted methods.

Name: Thomas R. Gredell, P.E.

Signature: _____

Date: _____

Registration Number: PE-021137

State of Registration: Missouri

