

Sikeston Board of Municipal Utilities
Sikeston Power Station
Documentation of Fly Ash Pond Monitoring Well Design, Installation &
Development
Federal CCR Rule Record Document
for Compliance with 40 CFR 257.91

Overview of Groundwater Monitoring System for Fly Ash Pond

The groundwater monitoring system for the Fly Ash Pond is subject to extension compliance deadlines resulting from the initial inactive status and the Response to Partial Vacatur (the Direct Final Rule). Associated compliance deadlines are specified in 40 CFR 257.100(e)(5).

The groundwater monitoring system for the Fly Ash Pond consists of five wells. The wells are identified as MW-1, MW-2, MW-3, MW-7, and MW-9. MW-2 and MW-3 are located hydraulically upgradient of the Fly Ash Pond, whereas MW-1, MW-7, and MW-9 are hydraulically downgradient of the Fly Ash Pond. Monitoring wells MW-1, MW-2, and MW-3 were installed on April 26 and 27, 2016 by Smith & Company of Poplar Bluff, Missouri. Monitoring well MW-7 and MW-9 were installed on April 18, 2017 and November 13, 2017, respectively, by Bulldog Drilling, Inc. of Dupou, Illinois. 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 five wells monitor uppermost groundwater, which is within the alluvial aquifer at the Fly 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, Fly 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. 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

