



POWERSOUTH[®]
ENERGY COOPERATIVE

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Charles R. Lowman Power Plant
Coal Combustion Residuals (CCR) Surface Impoundment Remedy
Selection and Design: Semi-Annual Progress Report
June 2021

Regulations codified at 40 C.F.R. § 257.97(a) and Alabama Department of Environmental Management (ADEM) Admin. Code r. 335-13-15-.06(8)(a) require the selection of a remedy and the preparation of “a semiannual report describing the progress in selecting and designing the remedy” until a remedy is selected. PowerSouth Energy Cooperative, submitted an Assessment of Corrective Measures (ACM), on July 11, 2019, for the Charles R. Lowman Power Plant. The ACM identified and evaluated monitored natural attenuation (MNA), a permeable treatment barrier, and groundwater recovery and treatment as potential remedies. The ACM recommended MNA as the primary remedy. In response to comments provided by ADEM, a Revised ACM was prepared and submitted on May 5, 2020. The Revised ACM provided additional information, including the anticipated effects of source control. The ACM discussed potential corrective measures and again recommended MNA as the primary remedy. Both versions of the ACM are available on the CCR compliance website for the Lowman Power Plant. To fulfill the requirements of 40 CFR §257.96(e) and ADEM Admin Code r. 335-13-15-.06(7)(e) PowerSouth hosted a public meeting at the Jackson Community Center in Jackson, Alabama on June 29, 2020.

During the semi-annual period since the previous progress report submitted in December 2020, the following activities have been completed:

- PowerSouth has reviewed and provided responses to additional comments from ADEM concerning the submitted Revised ACM.
- PowerSouth has developed and submitted for review a Corrective Action Plan that outlines the procedures and timeline for implementation of the selected remedy.
- Site groundwater data continues to be collected and compiled that will support the effectiveness of MNA as the selected remedy.

PowerSouth continues to actively pursue an access agreement to install an off-site delineation well on the adjacent property to the south of the Lowman facility. Engineering control measures are currently being evaluated that could be implemented within the area of concern along the southern property boundary, if necessary, to ensure that any groundwater impacts from the CCR pond would be contained within the Lowman site boundaries.

PowerSouth is completing the installation of a dewatering treatment system for removing and treating residual wastewater from the interconnected, multiunit CCR pond system in support of the planned closure of the CCR pond. Installation of the system commenced in May 2021 and is scheduled to be commissioned and operational by August 2021.