

July 8, 2020

## **SEMIANNUAL REMEDY SELECTION PROGRESS REPORT COFFEEN ASH POND NO. 2**

In accordance with 40 C.F.R. § 257.97(a), the owner or operator of a coal combustion residuals (CCR) unit must prepare a semiannual report describing the progress in selecting and designing a remedy for statistically significant levels (SSLs) of constituents listed in Appendix IV of 40 C.F.R. Part 257 over the groundwater protection standards established in accordance with 40 C.F.R. § 257.95(h).

This report is for activities occurring between January 8, 2020 and July 8, 2020 at Ash Pond No. 2 (AP2) at Coffeen Power Station.

As stated in the January 8, 2020 Semiannual Remedy Selection Progress Report, a Corrective Measures Assessment (CMA) was completed for AP2 on July 8, 2019 as required by 40 C.F.R. § 257.96. The CMA indicated the source control measure would be closure in place with a geomembrane cover system. Construction of a geomembrane cover system began in July of 2019 and is anticipated to be completed by October 2020 in accordance with the Closure and Post Closure Care Plan approved by the Illinois Environmental Protection Agency in January of 2018.

As stated in the notification dated February 5, 2020, SSLs for cobalt and lithium were identified at AP2 during assessment monitoring completed in accordance with 40 C.F.R. § 257.95.

Selection of the groundwater remedy continues to be in the monitored natural attenuation (MNA) feasibility study phase. Activities completed since January 8, 2020 include review of existing groundwater and source water data, identification and collection of additional groundwater and source water samples; and, identification of additional data collection needs to support development of a geochemical conceptual site model. These activities are necessary to understand the natural attenuation mechanisms occurring at the site and to evaluate the natural attenuation of constituents to meet applicable groundwater protection standards.