

**TECHNICAL MEMORANDUM**

**DATE** June 17, 2020 19-124481  
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**SEMI-ANNUAL REMEDY SELECTION PROGRESS REPORT  
BYRPRODUCT STORAGE AREA B  
ST. JOHNS RIVER POWER PARK**

In accordance with §257.97(a) of the Coal Combustion Residual (CCR) Rule, the remedy selection and design process must be documented in semi-annual progress reports. The Assessment of Corrective Measures (ACM) for Byproduct Storage Area B (BSA-B) at the St. Johns River Power Park was completed on June 12, 2019. The ACM noted that additional site data and characterization would be required to evaluate feasible remedies and design appropriate corrective measures. The first semi-annual remedy selection progress report was completed December 23, 2019. The following activities have been completed as part of the remedy selection process during this semi-annual period:

- Identified radium 226+228 at a statistically significant level (SSL) above the groundwater protection standard (GWPS) at CCR-7. Previously radium 226+228 was identified at SSL above the GWPS at CCR-6.
- Continued nature and extent evaluation including installation of an additional downgradient piezometer and supplemental groundwater monitoring events.
- Preparing construction documents for closure of BSA-B to include geosynthetic capping as a control source measure.
- Completed initial Monitored Natural Attenuation (MNA) evaluation to demonstrate plume stability and that attenuation is occurring at the site. Initiated MNA evaluation to further assess the long-term viability of MNA for radium 226+228.
- Continued assessment monitoring in accordance with §257.96(b).

Upcoming activities related to the remedy selection process include the following:

- Complete MNA evaluation for the site to determine mechanism and rate of attenuation, aquifer capacity for attenuation, and develop performance monitoring system.
- Prepare an addendum to the ACM to include the SSL at CCR-7.
- Public meeting pursuant to §257.96(e).

**Golder Associates Inc.**

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[https://golderassociates.sharepoint.com/sites/110243/Project Files/7 Correspondence/TM\\_Remediation Selection Progress Report\\_June2020\\_final.docx](https://golderassociates.sharepoint.com/sites/110243/Project%20Files/7%20Correspondence/TM_Remediation%20Selection%20Progress%20Report_June2020_final.docx)