

TECHNICAL MEMORANDUM

DATE January 14, 2021 19-124481
TO Jaclyn Vu, JEA
CC Carl Eldred, Hopping Green & Sams
FROM Samuel F. Stafford, PE **EMAIL** sstafford@golder.com

**SEMI-ANNUAL REMEDY SELECTION PROGRESS REPORT
BYPRODUCT 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 second semi-annual remedy selection progress report was completed June 17, 2020. The following activities have been completed as part of the remedy selection process during this semi-annual period:

- Identified molybdenum at a statistically significant level (SSL) above the groundwater protection standard (GWPS) at CCR-6. Previously radium 226+228 was identified at SSL above the GWPS at CCR-6 and CCR-7.
- Prepared an addendum to the Assessment of Corrective Measures to address additional SSLs of radium 226+228 at CCR-7 and molybdenum at CCR-6. The Assessment of Corrective Measures Addendum was completed December 1, 2020.
- Held virtual public meeting pursuant to §257.96(e) to discuss results of the assessment of corrective measures and subsequent addendum.
- Continued nature and extent evaluation including installation of an additional downgradient piezometer and supplemental groundwater monitoring events.
- Initiated closure construction of BSA-B to include geosynthetic capping as a control source measure.
- Continued Monitored Natural Attenuation (MNA) evaluation to further assess the long-term viability of MNA for radium 226+228 and molybdenum.
- 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.
- Complete closure construction of BSA-B.

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[https://golderassociates.sharepoint.com/sites/110243/Project Files/6 Deliverables/Remedy Selection Progress/TM_Remediation Selection Progress Report_Jan2021-Final.docx](https://golderassociates.sharepoint.com/sites/110243/Project%20Files/6%20Deliverables/Remedy%20Selection%20Progress/TM_Remediation%20Selection%20Progress%20Report_Jan2021-Final.docx)