



SCANNED

Westinghouse Electric Company
Nuclear Fuel
Columbia Fuel Fabrication Facility
5801 Bluff Road
Hopkins, South Carolina 29061

SCDHEC, BLWM
Kim Kuhn
2600 Bull Street
Columbia, SC 29201

Direct tel: 803.647.1920
Direct fax: 803.695.3964
e-mail: joynerdp@westinghouse.com

Your ref:
Our ref: LTR-RAC-19-76

October 2, 2019

RECEIVED

Subject: September 2019 CA Progress Report

OCT 04 2019

Ms. Kuhn:

SITE ASSESSMENT,
REMEDICATION &
REVITALIZATION

In accordance with Item 19 of Consent Agreement (CA) 19-02-HW, this progress report is being submitted to you, including the following requested information:

- (a) a brief description of the actions which Westinghouse has taken toward achieving compliance with the Consent Agreement during the previous month;
- (b) results of sampling and tests, in tabular summary format received by Westinghouse during the reporting period;
- (c) brief description of all actions which are scheduled for the next month to achieve compliance with the Consent Agreement, and other information relating to the progress of the work as deemed necessary or requested by the Department; and
- (d) information regarding the percentage of work completed and any delays encountered or anticipated that may affect the approved schedule for implementation of the terms of the Consent Agreement, and a description of efforts made to mitigate delays or avoid anticipated delays.

In response to the above requirements, the following is being reported to the Department since the last progress report on **August 29, 2019**:

- (a) Actions during the previous month:
Westinghouse began implementation of the Remedial Investigation (RI) Work Plan on 6/10/19. To comply with **Item 4** of the CA, the following actions were completed this month.
 - Completed roto-sonic drilling of permanent wells within the controlled access area (CAA): W-74, W-75, W-77, W-78, and W-93
 - Met with DHEC personnel to share the floodplain vertical groundwater screening results and proposed the locations of the four floodplain permanent monitoring wells

- Installed the four floodplain permanent monitoring wells (W-94, W-95, W-96 and W-97) in the agreed upon locations
- Continued emptying intermodal containers in the Southern Storage Area Operable Unit (SSAOU) per Work Plan Addendum 1
 - Intermodal containers C-30 was safely emptied of its contents on 9/3/19. Radiological contamination was found in a small 1 foot by 1 foot area on the floor inside the container; Confirmatory bias samples will be collected from the soil underneath the small area of interest once the intermodal is removed from the current location
 - Intermodal container C-31 was safely emptied of half its contents on 9/11/19; Half was completed due to planned equipment maintenance for the incinerator; The radiological survey will be completed when all contents are removed.
- Conducted well development of 9 newly installed wells
- Contacted 6 private land owners for off-site private water supply well surveys
- Submitted Revision 1 of the East Lagoon Sludge Characterization Remedial Investigation Work Plan (Addendum 2) under cover letter LTR-RAC-19-49-R1
- Updated the site Conceptual Site Model (CSM) to include sediment and surface water data collected in July 2019 as part of the RI Work Plan investigation
- Met with DHEC to discuss proposed sediment sampling transects in Upper Sunset Lake, Lower Sunset Lake, and Mill Creek

(b) Results of sampling and tests:

- Surface water and sediment samples were collected in July with laboratory results received by the facility in mid to late August; Per the RI Work Plan, the data has been validated and quality control reviewed in September by AECOM personnel. The data validation reports will be submitted to Westinghouse in October and submitted with the next monthly progress report.

(c) Brief description of all actions which are scheduled for the next month:

- In accordance with **Item 4** of the CA, Westinghouse will continue to implement the Work Plan to include the following actions:
 - Complete well development of W-71
 - Complete well water sampling of all functioning and viable groundwater wells
 - Complete locational surveys for environmental data collected in support of the RI Work Plan and CSM development (new groundwater well installations and lithologic boring locations). AECOM previously completed surveys for the staff gauge installations during the bathymetric survey campaigns in July and August.
 - Conduct well water depth surveys and staff gauge level surveys
 - Continue emptying intermodal containers in the SSAOU
 - Continue to contact stakeholders for off-site private water supply well surveys (within 1 mile radius of the property boundary)

- With DHEC approval, initiate Phase 1 sampling identified in Addendum 2 to the RI Work Plan, entitled “Wastewater Treatment Area Operable Unit East Lagoon Sludge Characterization, Revision 1”

(d) Percentage of work completed and any delays encountered or anticipated:

- 29/29 (100%) of new wells associated with the CA are installed
- 28/29 (97%) of new CA wells installed have been developed

Respectfully,

A handwritten signature in black ink, appearing to read "Diana P. Joyner". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Diana P. Joyner
Principal Environmental Engineer
Westinghouse Electric Company, CFFF
803.497.7062 (m)

Cc: N. Parr, Environmental Manager
E. Wills, EH&S Manager
J. Grant, AECOM Project Manager
ENOVIA Records