



SCANNED

Westinghouse Electric Company
Nuclear Fuel
Columbia Fuel Fabrication Facility
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RECEIVED

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AUG 30 2019
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Your ref:
Our ref: LTR-RAC-19-70

August 29, 2019

Subject: August 2019 CA Progress Report

Ms. Kuhn:

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 1, 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 the bathymetric survey of Upper Sunset Lake
 - Addendum 1: Southern Storage Area Operable Unit (SSAOU)
 - Intermodal container C-28 was safely emptied of its contents on 8/8/19. Radiological contamination was found in a small 1 foot by three foot area on the floor inside the

container; the floor was dry, and there was no evidence that the floor had been compromised. 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-29 was safely emptied of its contents on 8/22/19. The inside of the container was dry and free of radiological contamination.
- Plans for removal of the empty intermodal containers and subsequent sampling are being developed.
- Conducted soil sampling to further assess potential sources of Tc-99
- Completed field work for additional assessment to the RI Work Plan (dated August 2, 2019) including lithologic borings and groundwater screening in the floodplain areas south of Upper Sunset Lake and east of Lower Sunset Lake
- Conducted well development of 19 newly installed wells

(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. The data is being compiled for validation and quality control review as described in the RI Work Plan and will be submitted in the September 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 data validation/quality control review for surface water and sediment data
 - Continue roto-sonic drilling of permanent wells within the controlled access area (CAA): W-74, W-75, W-77, W-78, and W-93
 - Meet with DHEC personnel to share floodplain assessment screening results and propose the locations of the four floodplain permanent monitoring wells
 - Pending approval by the Department, install four floodplain permanent monitoring wells
 - Continue emptying intermodal containers in the SSAOU
 - Contact stakeholders for off-site 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 Sediment Characterization"

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

- 100% of bathymetric surveys completed
- 100% of Tc-99 soil sampling completed
- 100% of additional flood plain assessment completed
- 20/25 (80%) of wells with known locations are installed
 - Well percentages exclude the 4 wells in flood plain whose locations and screened intervals will be agreed upon by CFFF and DHEC based upon the vertical groundwater profiling analytical results in conjunction with the Conceptual Site Model
- 19/20 (95%) of wells installed have been developed

Respectfully,



Diana P. Joyner

Principal Environmental Engineer

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