



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

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-24-13

February 8, 2024

Subject: **January 2024 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) a 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 submitted on **January 11, 2024**. The following progress report is for work occurring from **January 1- 31, 2024**:

- (a) Actions during the previous month:
In accordance with **Item 7** of the Consent Agreement and to support completion of the **Feasibility Study (FS) Report** due on or before November 30, 2024, Westinghouse continued work as follows:
 - Submitted an annual update to the State Historic Preservation Office and other interested parties on January 4, 2024 (LTR-RAC-24-01) stating there were no activities involving cultural resources at the Westinghouse site in 2023.
 - Submitted the Semiannual Groundwater Monitoring Report to DHEC on January 26, 2024 through e-permitting.
 - Began development of an assessment work plan for the Middle Ditch to identify the extent of contamination.
 - Groundwater flow model:
 - Completed over 100 fate and transport runs to begin development of source term concentrations (primarily focusing on the central, higher concentration lobe) and distribution of degradation and sorption constants such that the model predicts the PCE plume and its daughter products.

- Split the site into three CVOC degradation areas (two above and one below the bluff) based upon observed PCE daughter product data analysis to attempt to mimic the observed data in these areas.
 - Developed an Excel work flow to export concentrations at/near observed concentrations for more efficient calibration.
 - FS:
 - Completed identification and screening of remedial technologies.
 - Began development and evaluation of remedial alternatives.
- (b) Results of sampling and tests:
- None
- (c) Brief description of all actions which are scheduled for the next month:
- Continue development of an assessment work plan for the Middle Ditch to identify the extent of contamination.
 - Groundwater flow model:
 - Complete a 50-year run to evaluate steady-state conditions for CVOCs.
 - Continue to perform iterations on degradation, sorption, and source term(s). Focus will be on the eastern lobe of the PCE plume and below the bluff.
 - FS:
 - Schedule a meeting to present the progress of the FS to the Department.
 - Continue development and evaluation of remedial alternatives.
- (d) Percentage of work completed, and any delays encountered or anticipated:
- 100% of the **Remedial Investigation** is complete.
 - 100% of the **Groundwater Flow Model** is completed.
 - 100% of the **Feasibility Study Work Plan** is completed.
 - 40% of the **Groundwater Fate and Transport Model** is completed.
 - 29% of the **Feasibility Study** is completed:
 - Identification of remedial action objectives/goals (complete)
 - Screening of remedial technologies (complete)
 - Development and evaluation of remedial alternatives (5% complete, 75% of overall FS).
 - Currently there are no anticipated delays.

Respectfully,



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

cc : N. Parr, Environmental Manager
J. Ferguson, EH&S Manager
J. Grant, AECOM Project Manager
S. Subosits, Licensing Engineer
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