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Sent: Thursday, August 8, 2019 4:38 PM

To: Kuhn, Kimberly M. <kuhnkm@dhec.sc.gov>

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Subject: Westinghouse_ RI Work Plan Addendum 1 SSAOU Assessment Report

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Kim,
Please see attached for the Westinghouse Remedial Investigation Work Plan Addendum 1 Assessment Report on the Southern Storage Area Operable Unit. The hard copy will be postmarked to you tomorrow.
Let me know if you have any questions or concerns.
Best regards.

Cynthia Logsdon
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SITE ASSESSMENT
REMEDIAL ACTION &
REVITALIZATION

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Our ref: LTR-RAC-19-65

August 8, 2019

Subject: Southern Storage Area Operable Unit Remedial Investigation Work Plan Addendum 1
Assessment Report

Mrs. Kuhn:

On June 18, 2019, Westinghouse submitted to the Department a work plan to investigate the Southern Storage Area (SSA) Operable Unit (OU). The SSAOU investigation was submitted as Addendum 1¹ of the overall Remedial Investigation being performed under the Consent Agreement CA-19-02-HW. This assessment report describes the work completed, sample results and the remaining actions for this investigation.

The SSAOU, in part, is used for the intermodal storage of materials awaiting uranium (U) recovery. On May 30, 2019, a scheduled inspection of intermodal containers (sea-lands) within the SSAOU was completed and identified impaired roofing and degraded drums due to rainwater intrusion in one sea-land, C-40. The drums within this sea-land included solid combustible materials, such as mop heads and filters, awaiting U reclamation by onsite incineration. C-40 was safely emptied of its contents by June 5, 2019; all drums were transferred to the main building for processing and C-40 was wrapped with tarps to minimize further water intrusion. Three soil samples were collected at 1 foot below soil surface (bss) in the area of the degraded drums beneath C-40, with results ranging in U concentrations from 2-4 ppm.

In addition, the groundwater wells associated with the SSAOU (W-7A, W-10, W-11, 13R, W-15, W-16, and W-32) were sampled on June 4-5, 2019. The results were received on June 21, 2019, and submitted to the Department on August 1, 2019, in the July 2019 CA progress Report². These results indicated that the intermodal storage has not contributed to the state of the groundwater beneath the site. Further review and comparison of groundwater well data from 2004 indicate that gross beta, Tc-99, and VOC contamination levels have not changed during the time of sea-land occupancy.

The initial extent of condition (EOC) evaluation for other onsite sea-lands identified a degraded floor in C-44 and roof leaks in C-35 and C-65. The roof leaks were immediately repaired. Corrective Action Program (CAP) issue number 2019-8970 was created, and a prioritized plan, starting with C-44, was developed for emptying each sea-land and inspecting each drum removed.

¹ Southern Storage Area Operable Unit Sampling Work Plan, Remedial Investigation Work Plan, Addendum 1, LTR-RAC-19-45, June 18, 2019

² July 2019 CA Progress Report, LTR-RAC-19-60, August 1, 2019

