Joseph Burch

From:	Joseph Burch
Sent:	Tuesday, November 03, 2020 10:17 AM
To:	Jon Richards; Cathcahe (dhec.sc.gov)
Cc:	HENNESSEY, BRIAN; 'pope.robert (epa.gov)'; Chris Bergren; fulmersb@dhec.sc.gov; Thelesia Oliver; Robert Shirley; J Ross; Jeffcj Ward; Amy Meyer; Dena Brett; Shelia Mcfalls; Steven Conner; Terry Killeen; Justin Steadman
Subject:	Characterization Status: RFI/RI WP for the Early Construction and Operational Disposal Site N-1 (NBN), Central Shops Scrap Lumber Pile (631-2G), and Building 690-N, Process Heat Exchanger Repair Facility (aka Ford Building) OU (SRNS-RP-2020-00041, Rev 1)

SRNS-J2600-2020-00348

Jon / Heather

Soil, sediment, and surface water sampling at Early Construction and Operational Disposal Site (ECODS) N-1, Central Shops Scrap Lumber Pile (631-2G), and Carolina Bay #125 was completed on 13-Oct-2020 in accordance with the regulatory-approved *RFI/RI Work Plan for the Early Construction and Operational Disposal Site N-1 (NBN), Central Shops Scrap Lumber Pile (631-2G), and Building 690-N, Process Heat Exchanger Repair Facility (aka Ford Building) Operable Unit (U)* (SRNS-RP-2020-00041, Revision 1, June 2020). As a result of this sampling effort, Savannah River Site is noting the following deviations/decisions for documentation purposes in advance of the RFI/RI Report with Baseline Risk Assessment and Corrective Measures Study/Feasibility Study (RFI/RI/BRA/CMS/FS) scoping meeting planned to occur during Calendar Year 2021:

- Sample location (CSSLP-22) at the Central Shops Scrap Lumber Pile (631-2G) was not sampled for surface water due to the presence of too much water that created a significant safety hazard (e.g., entanglement, depth, alligator(s), etc.) for the samplers at that specific location. As the water receded, a sediment sample was safely collected from an alternate location approximately 20-ft from CSSLP-22. The three surface water samples (CSSLP-20, CSSLP-21, and CSSLP-23) and four sediment samples (CSSLP-20, CSSLP-21, CSSLP-22, and CSSLP-23) that were obtained within the surface water impoundment will provide the necessary data to characterize the water/sediment matrix of this impoundment.
- Background sample location CSSLP-26 was moved further to the east to avoid extensive cutting of trees and vegetation to allow for access. The data obtained at the new location will be considered relevant background information as it is located well outside the proximity of any identified waste unit.
- For the background sampling locations for surface water at the Carolina Bay #125 (Figure 12 [page 68 of 90]), sample location CBBKG-2 was sampled at three different times to establish the background data. Sample locations CBBKG-1 and CBBKG-3 were not sampled due to the absence of surface water at these locations. The temporal samples obtained at CBBKG-2 is sufficient to establish background concentrations of the sediment/surface water.
- Per Section 5.3 of the RFI/RI Work Plan (page 42 of 90), additional surface soils samples were to be obtained at Building 690-N (Ford Building) only if radiological screening indicated soil contamination occurred during deactivation and demolition (D&D) of the building. The post-D&D radiological survey around the building footprint did not detect any change in the soil, therefore, no further sampling will be conducted at Building 690-N. The full set of existing data will be used to characterize the Ford Building slab and soils in the ECODS N-1, Central Shops Scrap Lumber Pile (631-2G), and Building 690-N Operable Unit RFI/RI/BRA/CMS/FS report.

Please let me know if you have any questions, comments or concerns regarding these details.

Thanks

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