



April 3, 2024

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Track Number: 10666

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**ENVIRONMENTAL BULLETIN: NOTICE OF AVAILABILITY REMEDIAL DESIGN
FACT SHEET AVAILABLE FOR THE EARLY CONSTRUCTION AND
OPERATIONAL DISPOSAL SITE N-1 (NBN), CENTRAL SHOPS SCRAP LUMBAR
PILE (631-2G), AND BUILDING 690-N, PROCESS HEAT EXCHANGER REPAIR
FACILITY (AKA FORD BUILDING) OPERABLE UNIT (U) AT THE SAVANNAH
RIVER SITE**

Please make the above document available to the general public a period of thirty (30) days beginning April 4, 2024.

Please acknowledge receipt of the document by email to Luchelle.Abney@srs.gov. If you have any questions, please call me at (803) 952-7401, or e-mail me at above address.

Sincerely,

Luchelle Abney
EC & ACP Records
730-4B, Room 135A

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**ENVIRONMENTAL BULLETIN: NOTICE OF AVAILABILITY
REMEDIAL DESIGN FACT SHEET AVAILABLE FOR THE
EARLY CONSTRUCTION AND OPERATIONAL DISPOSAL
SITE N-1 (NBN), CENTRAL SHOPS SCRAP LUMBAR PILE
(631-2G), AND BUILDING 690-N, PROCESS HEAT
EXCHANGER REPAIR FACILITY (AKA FORD BUILDING)
OPERABLE UNIT (U) AT THE SAVANNAH RIVER SITE**

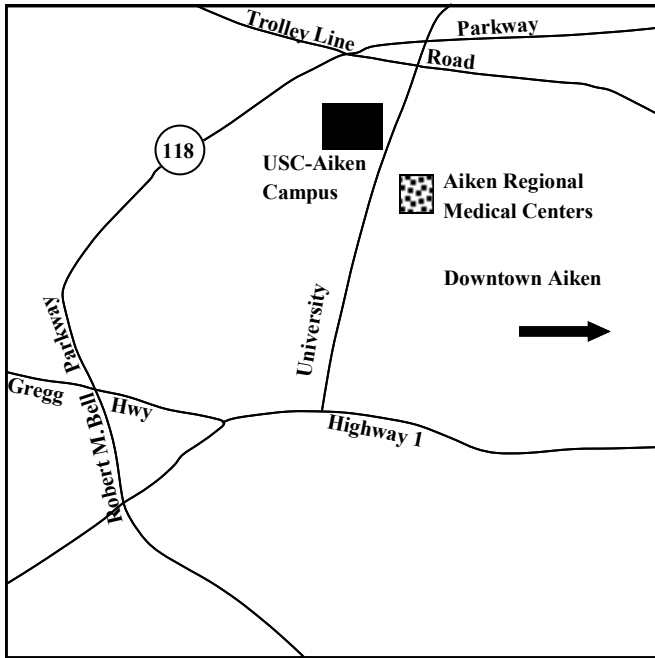
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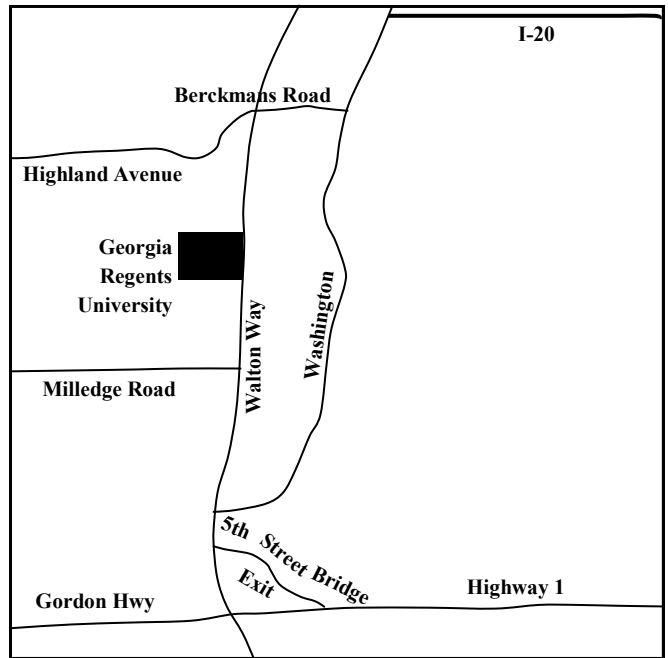
If you have any questions, please contact:

Barbara Smoak
Savannah River Nuclear Solutions, LLC
Savannah River Site
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Aiken, SC 29808
1-803-952-8060
Barbara.Smoak@srs.gov

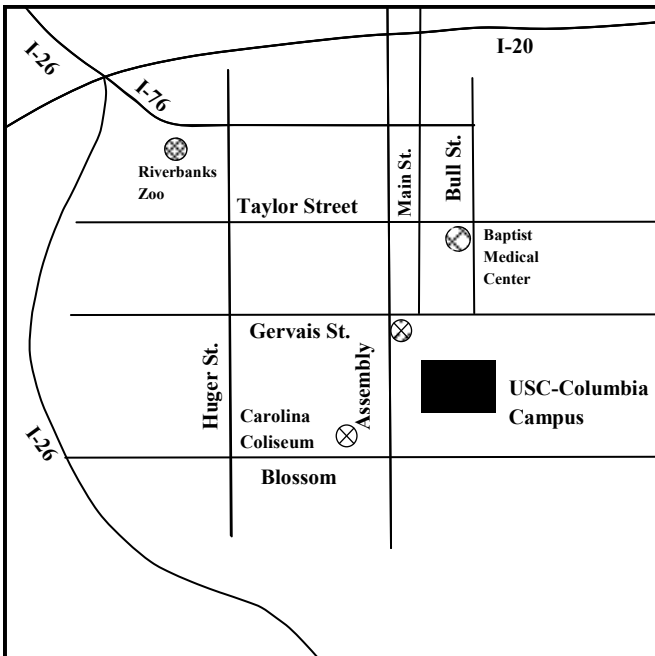
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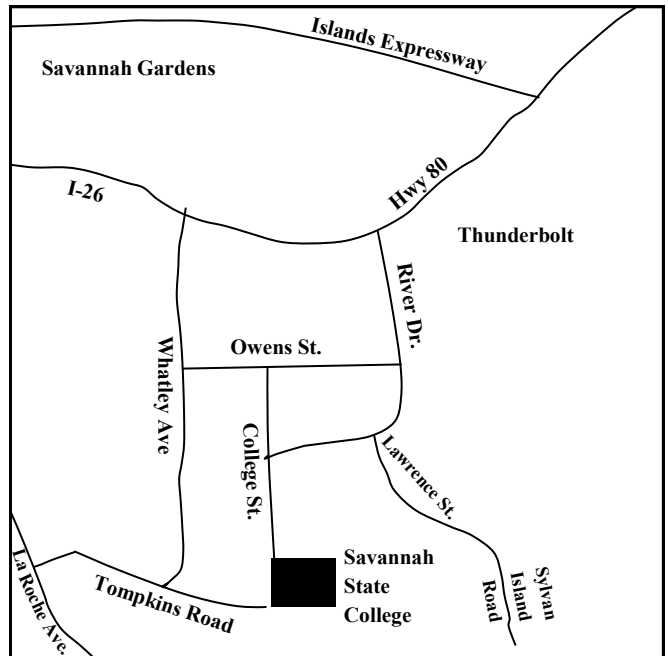
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APPENDIX A

FACT SHEET

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FACT SHEET

Remedial Action 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

Location

The Early Construction and Operational Disposal Site (ECODS) N-1 (NBN), Central Shops Scrap Lumber Pile (CSSLP)(631-2G), and Building 690-N, Process Heat Exchanger Repair Facility (aka Ford Building Operable Unit) is listed as a Resource Conservation and Recovery Act 3004(u) Solid Waste Management Unit / Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) unit in Appendix C of the Federal Facility Agreement for the Savannah River Site (SRS). These three subunits are located in three distinct locations within and near N Area (Central Shops) in an area of relatively flat terrain. Groundwater is not part of the OU and will be addressed under the Central Shops Groundwater OU.

History

ECODS N-1 is one of 25 ECODS at SRS that were used during the construction and early operation of SRS for disposal of construction debris and other non-radioactive waste materials. It is located within the Pen Branch watershed.

The CSSLP subunit is segregated into two areas, the Upland Area (~1.3 hectares (ha) [3.3 acres (ac)]) and the Surface Water Impoundment Area (~0.41 ha [1.02 ac]). The Upland Area was cleared in 1951 and used for equipment laydown, rubble storage, and for burning construction-related material of various unknown types and wood, which may have included treated lumber and creosote-treated wood.

The Ford Building was constructed in the 1950s to test Ford Company-manufactured motor control packages for control rod drive mechanisms before they were installed in the SRS reactors. In 2021, the building structure was demolished to its slab, and an engineered concrete cover system was installed over the entire concrete remnant slab area extending out 0.3 m (1 ft) from the building edge.

Remedial Action

The selected remedy for the ECODS N-1 subunit is Land Use Controls (LUCs) to prevent human exposure to asbestos that is present in subsurface soils. This remedy was selected at the ECODS N-1 subunit due to the overall protection and effectiveness of the remedy.

The selected remedy for CSSLP subunit is excavation (hot spot removal) and disposal of arsenic-contaminated surface soil and sediment to support unrestricted land use; it will not require land use controls, annual site inspections, or five-year remedy reviews. This remedy will eliminate exposure of contaminated media to human receptors. This remedy includes excavating contaminated media exceeding the arsenic cleanup level (8.2 mg/kg) down to 1 ft below ground surface, disposing of the contaminated media off-site, and backfilling with clean soil to grade.

The selected remedy for the Ford Building subunit is LUCs to prevent human exposure to Cs-137 and polychlorinated biphenyls on the Ford Building remnant concrete slab and Co-60 in surface soils underlying a portion of the gravel apron surrounding the slab. This remedy was selected at the Ford Building subunit due to the short half-life (~5.3 years) of Co-60. The risks to the industrial worker will be below 1E-06 within 20 years, thereby eliminating any long-term requirements other than LUCs for the concrete cover that currently exists over the original remnant slab.

LUCs for the ECODS N-1 and Ford Building subunits will be in effect until concentrations of hazardous substances are at levels that will allow for unrestricted use.

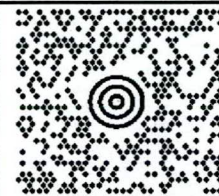
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KSTANLEY
803-557-4974
SAVANNAH RIVER NUCLEAR SOLUTIO
BLDG 731-1N RM 113
AIKEN SC 29808

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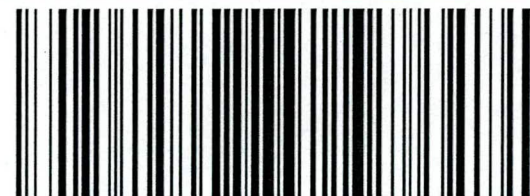
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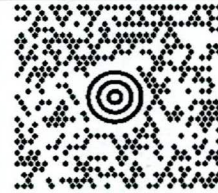
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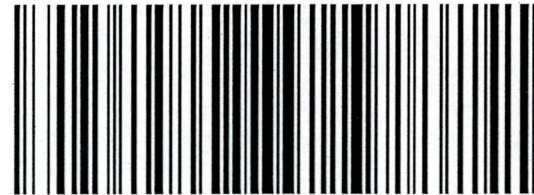
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