



U.S. DEPARTMENT OF
ENERGY



D Area

Deactivation and Decommissioning Progress

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Acronyms

D&D - Deactivation and Decommissioning

DOE-EM – U.S. Department of Energy-Environmental Management

SRNS – Savannah River Nuclear Solutions

SRSCRO – Savannah River Site Community Reuse Organization

Definitions

- **Deactivation**-The process of placing a shut-down facility into a safe and stable condition by the elimination or reduction of residual hazards.
- **Decommissioning**-Typically the final stage for the facility when the residual hazards are eliminated permanently. Possible alternatives might include in situ disposal, demolition, or transfer to another program.
- **Surveillance and Maintenance (S&M)** -A program established during transition from operations and continuing through decommissioning to provide a containment of contamination; physical safety and security controls; and maintenance of the facility in a manner that is protective of workers, the public, and the environment.
- **Savannah River Site Community Reuse Organization (SRSCRO)** – A non-profit organization that utilizes the Savannah River Site's resources to facilitate economic development and job creation in its two state, five county region.

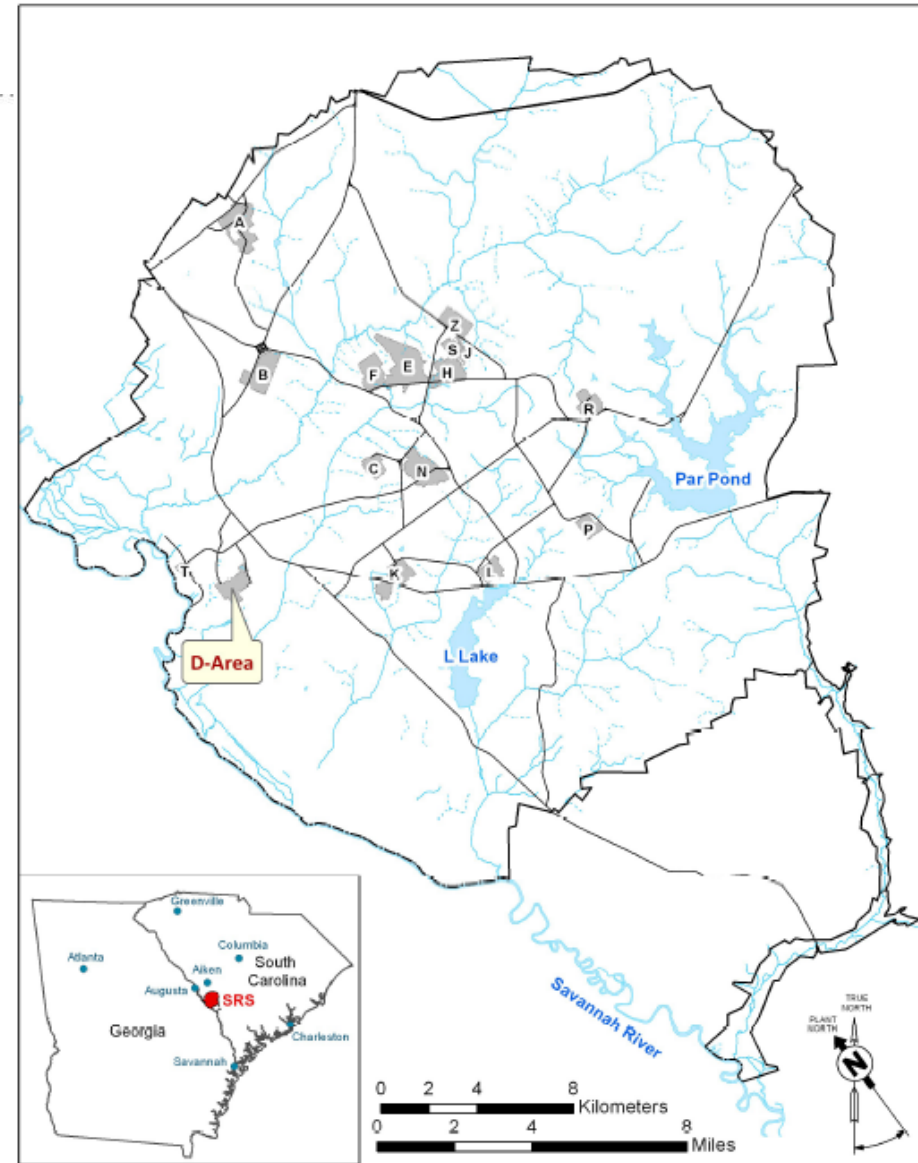


**482-2D Cooling
Tower Switchgear
Building**



D Area Background

- D Area is in the southwest quadrant of the SRS, approximated 3,000 feet east of the nearest site boundary, the Savannah River
- Current D&D activities in D Area are of the powerhouse support facilities which began in 2020 with planning, engineering and regulatory documentation
- The SRNS and the Savannah River Community Reuse Organization (SRSCRO) are performing the work



Benefits of D Area D&D

- Support DOE-EM mission, “ To complete the safe cleanup of the environmental legacy brought about from decades of nuclear weapons development and government –sponsored nuclear energy research.” - *EM Current Year 2022 Mission Statement*
- Increased worker safety during D&D
- Reduced cost of long-term surveillance and maintenance of inactive facilities
- Reduced uncertainty of contaminant source contributing to groundwater
- Earlier completion of a groundwater remedy
- Potential for recycling and reuse of valued building components and materials

D Area Aerial Photo Before D&D Began



Completed D Area Facilities

484-5D Storage Building



Completed D Area Facilities



Completed D Area Facilities



485-D Cooling Tower



Completed D Area Facilities

454-D and 454-1D Diesel Fuel Storage Tank and Shed



- This facility along with 5 other facilities were dismantled by the SRSCRO
- Small assets in and around the powerhouse were also salvaged
- Utilizing SRSCRO reduces overall costs for D&D.



Completed D Area Facilities



480-3D Storage Shed

Current Scope (FY22): Coal Handling Facilities



To-Go Scope (Outyear): Powerhouse



To-Go Scope (Outyear): Water Treatment Plant



Summary



- D&D activities for the powerhouse support facilities have been ongoing since 2020; 31 of 40+ facilities will be demolished by the end of the Fiscal Year
- Supports the EM Mission to clean up cold war legacy facilities
- Utilizing the SRSCRO reduces overall costs of D&D. The funds generated by the salvage and sale of these assets will be used by the SRSCRO to help diversify the economy and create new jobs in communities surrounding the Savannah River Site.
- D Area could be the next area closure and D&D activities support that effort.