



Nuclear Materials Missions

Brief to SRS Citizens Advisory Board March 14, 2023

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- 1. Nuclear Material Storage and Surplus Plutonium Disposition – K/Area
- 2. Spent Nuclear Fuel Storage L/Area
- 3. Spent Nuclear Fuel Processing H/Area
- 4. Excess Nuclear Facilities Deactivation and Surveillance & Maintenance
- 5. Solid Waste Treatment, Storage, and Disposal



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Nuclear Material Storage and Surplus Plutonium Disposition – K/Area



Glovebox



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Spent Nuclear Fuel Storage - L Area





Loading Fuel Bundle



Fuel Bundle

Excess Nuclear Facilities Deactivation and Surveillance & Maintenance





Spent Nuclear Fuel Processing – H/Area



Solid Waste Treatment, Storage, and Disposal

Responsible for disposition of SRS solid waste, including:

- Transuranic (TRU) Waste
- Low-Level Waste (LLW)
- Hazardous and Mixed Waste (HW/MW)
- Sanitary Waste

Examples:

- Discarded personal protective equipment
- Lightly contaminated tools and equipment
- Soil and groundwater cleanup materials
- Empty containers
- Research residues
- Excess chemicals



- Nuclear Materials own unique and/or one-of-a-kind facilities.
- Requires a highly trained workforce to manage and operate.
- Supports National Security (Non-Proliferation Initiatives).
- Requires support of the Savannah River National Laboratory.
- Very expensive to maintain and operate.
- Some of our work is classified.
- Nuclear Materials facilities are safely operated to ensure the safety of SRS workers, the public, and the environment.