



U.S. DEPARTMENT OF
ENERGY

Savannah River Site

**A Presentation to the
SRS Citizens Advisory Board**

Low-level, Mixed Low-level and Hazardous Waste Disposition

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Purpose

To provide the process and general status for low-level radioactive, mixed low-level radioactive and hazardous waste disposition at the Savannah River Site





Agenda

- **Low-level Radioactive Waste**
- **Mixed Low-level Radioactive Waste**
- **Hazardous Waste**
- **Conclusion**

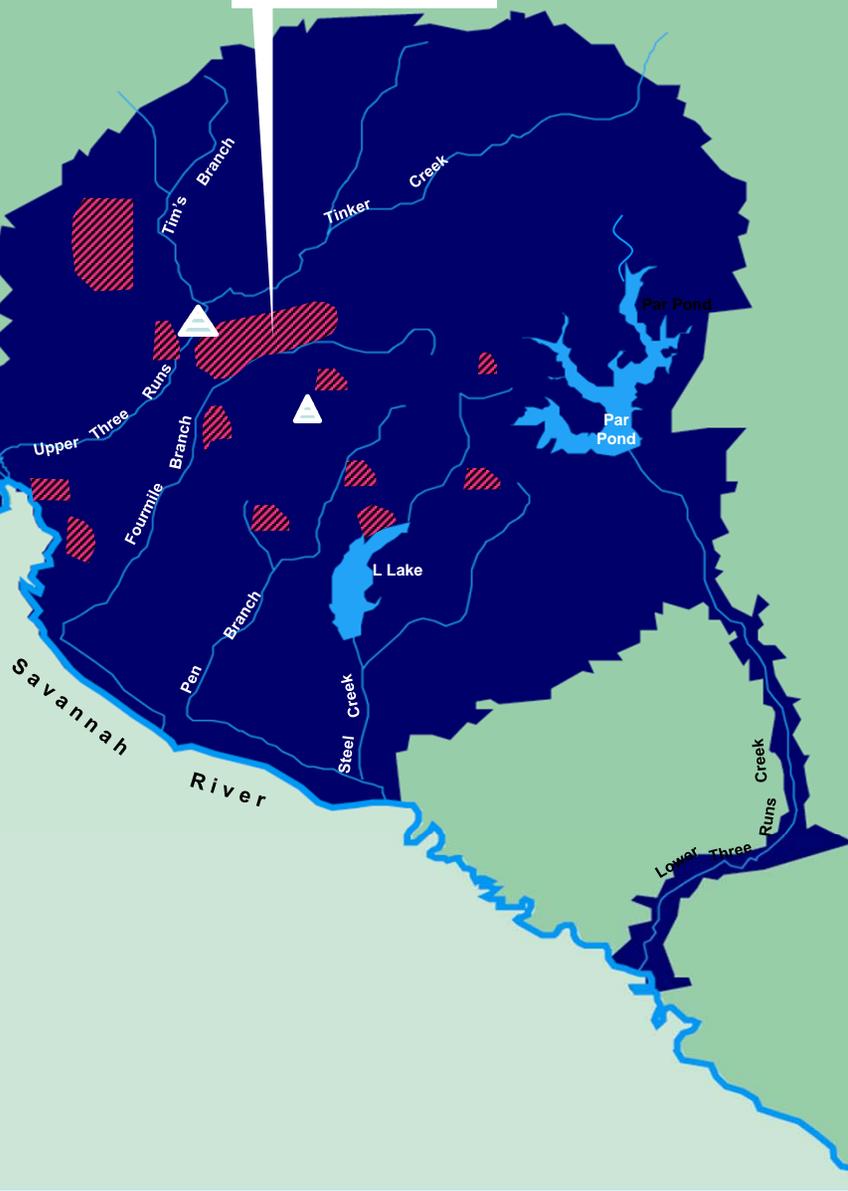


Savannah River Site *Low-level Radioactive Waste Disposal Area*

E Area

South Carolina

Georgia



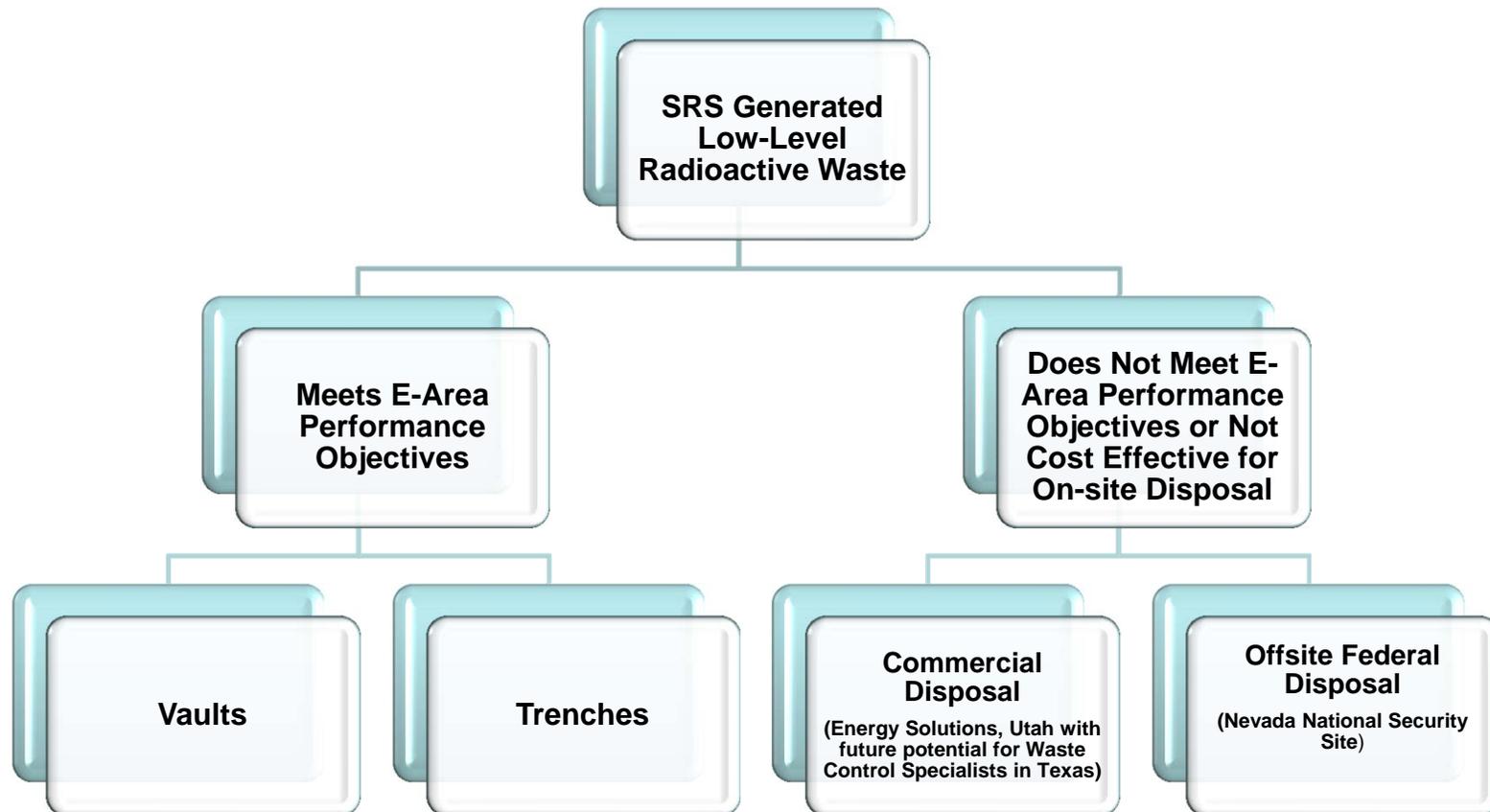


E-Area Low-level Radioactive Waste Disposal Facility





Low-level Radioactive Waste Disposition Process Flow





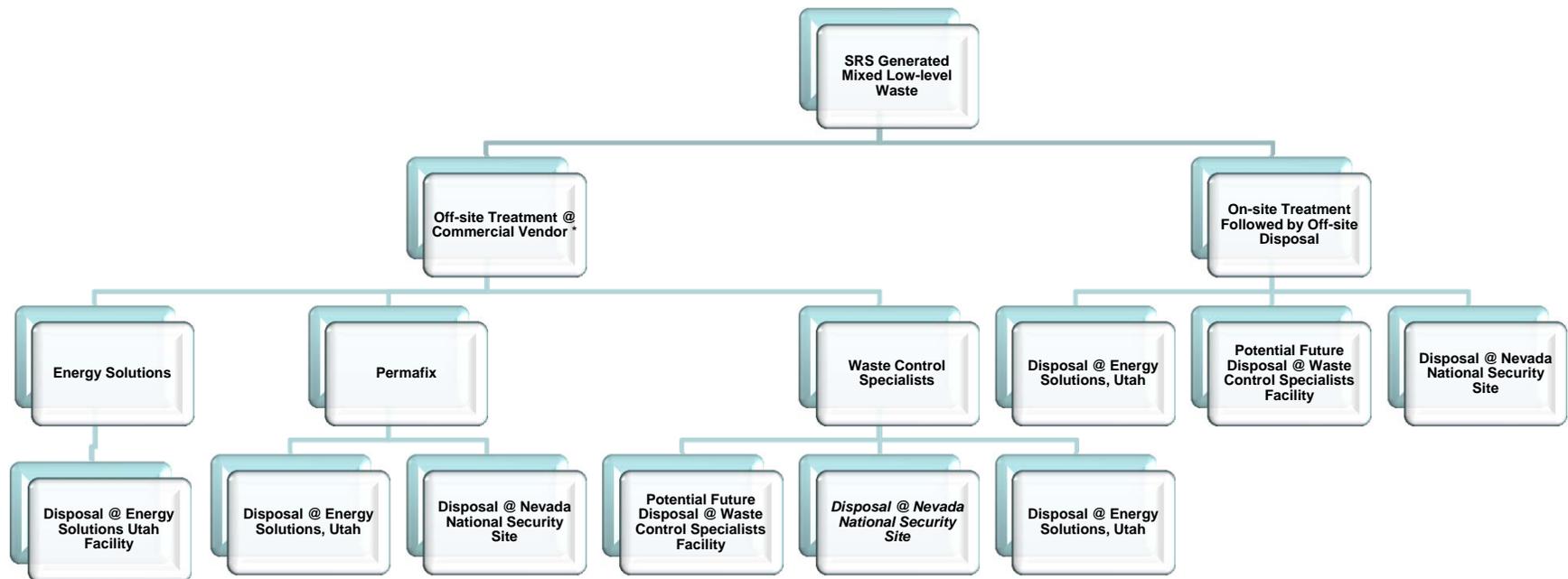
Low-level Radioactive Waste Status

- Covers recently installed over Slit Trenches 1-5
- Depleted Uranium Oxide disposition
- No legacy waste in storage
- Only off-site receipts are from Naval Reactor facilities





Mixed Low-level Radioactive Waste Disposition Process flow



* Typical vendors but not all inclusive





Mixed Low-level Radioactive Waste Status

- Two Resource Conservation and Recovery Act (RCRA) permitted treatment and storage facilities recently closed to reduce operational footprint
- Approximately 50 cubic meters legacy waste in storage undergoing radioactive decay prior to off-site treatment per the Site Treatment Plan
- Continue disposition of newly generated waste within one year of generation
- No off-site receipts



Building 710-B Hazardous/Mixed Waste Facility



N-Area Hazardous/Mixed Waste Facilities





Hazardous Waste Disposition Process Flow





Hazardous Waste Status

- Dispositioned 154 railcars of lead contaminated soil recently removed from the Small Arms Training Area (SATA)
- Continue disposition of newly generated waste within one year of generation
- No legacy waste in storage
- No off-site receipts





Conclusion

- Legacy waste, with one small exception, has been eliminated at the Savannah River Site
- Operational footprint has been reduced
- The Solid Waste Program is in steady-state where all waste types are being dispositioned in an efficient and timely manner

