



U.S. DEPARTMENT  
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# Revitalizing Savannah River Site for America's Nuclear Future

**Tony Polk**

Deputy Manager

U.S. Department of Energy Savannah River Operations Office

*SC Governor's Nuclear Advisory Council*

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# *From Legacy Inventory to Strategic Material*

- H-Canyon remains the only operating, production-scale, radiologically-shielded chemical separations facility in the U.S.
- EM's uranium recovery approach shows how legacy materials can become usable feedstock.
- Recovery activities reduce long-term EM waste volume, lowers costs, and less material diverted to HLW.



# ***HB-Line & Isotope Production Potential***

- HB-Line historically supported purification and special-isotope recovery—capabilities that remain relevant for domestic supply needs.
- Modular systems tested at SRS show how targeted recovery can be inserted into EM workflows.
- As industry demand grows for isotopes supporting advanced reactors and research, SRS provides a unique EM-managed launchpad for selective recovery pathways.



# ***EM Liquid Waste Mission: Foundation for Future Work***

- Liquid waste progress has created a safer, more stable operational environment.
- Modernization efforts enable higher throughput and efficiency
  - SWPF: larger cross flow filters or increased salt concentration
  - Tank Farms: Drone Program
- This stability is what future fuel-cycle, recycling, and advanced manufacturing missions need.



# ***SRS in the Broader Nuclear Renaissance***

- Industry momentum nationally illustrates the value of DOE sites with mature infrastructure.
- Through EM cleanup, H-Canyon/HB-Line, and liquid waste systems, SRS is positioned as a core domestic energy hub.



# ***SRS in the Broader Nuclear Renaissance***

- Future opportunities:
  - Domestic strategic material preparation
  - Targeted isotope recovery
  - Support for fuel-cycle R&D or pilot-scale manufacturing
- EM's mission at SRS enables a transition from remediation toward revitalization, opening pathways for national nuclear growth.





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