



Governor's Nuclear Advisory Council

October 17, 2019

South Carolina Department of Health and Environmental Control
Healthy People. Healthy Communities.

- Westinghouse Nuclear Fuel Facility
- Barnwell LLRW Facility License Renewal
- Savannah River Site – DOE Interpretation of High Level Waste Definition

Westinghouse Nuclear Fuel Facility

- Consent Agreement
 - Establishes process for comprehensive environmental investigation – Follows CERCLA Process
- Permit Renewals
 - Air Permit
 - Waste Water Permit



Barnwell LLRW Facility License Renewal

- March 2004 – DHEC renewed the Chem-Nuclear Systems (CNS) License #097, Amendment 48.
- April 2004 – DHEC's Decision was appealed by Sierra Club and Environmentalists, Inc.
- March 2019 – SC Supreme Court Decision issued.
- September 30, 2019 – CNS submittal of License #097 Renewal Application to SCDHEC

DOE Interpretation of High Level Waste Definition

- HLW Defined in Atomic Energy Act of 1954 as amended and the National Waste Policy Act of 1982 as amended.
- October 10, 2018 - DOE request for comments on a revised interpretation of HLW.

The AEA and NWPA define the term “high-level radioactive waste” as:

- (A) the highly radioactive material resulting from the reprocessing of spent nuclear fuel, including liquid waste produced directly in reprocessing and any solid material derived from such liquid waste that contains fission products in sufficient concentrations; and
- (B) other highly radioactive material that the [Nuclear Regulatory] Commission, consistent with existing law, determines by rule requires permanent isolation.

Implications for Savannah River Site

- Section 3116 of the Ronald W. Reagan National Defense Authorization Act for Fiscal Year 2005 (NDAA) provides a process to redefine HLW in South Carolina & Idaho.
- June 10, 2019 – Proposal to issue EA for commercial disposal of 10,000 gallons of recycle waste water from DWPF.



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