



State Regulatory Oversight

July 30, 2019

Susan Fulmer, FFA Manager

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

Our Vision

- Healthy people living in healthy communities

Our Mission

- To improve the quality of life for all South Carolinians by protecting and promoting the health of the public and the environment.



Environmental Affairs

- Air
- Water
- Land and Waste Management
- Environmental Health Services
- Ocean & Coastal Resource Management (OCRM)



DHEC's Environmental Role

- Protection
- Oversight
- Emergency Preparedness
- Improvement



DHEC's Environmental Role

- Does not regulate
 - Storage of spent nuclear fuel
 - Nuclear materials
- Exempted by Congress

Protection

- Federal and State Laws/ Regulations
- EPA delegates implementation to the State
- DHEC has been delegated authority for
 - Air
 - Water
 - Waste
 - Cleanup

Protection

- Issue permits in accordance with Federal/ State requirements
- Inspect for compliance
- Take enforcement action when it's necessary

Protection Programs

- Drinking Water
- National Pollutant Discharge Elimination System
- Navigable Waters
- Underground Injection Control
- Wastewater Treatment
- 401 Certification (Wetlands)
- Lab Certification
- Air
- Asbestos
- Hazardous Waste (RCRA)
- Radioactive Waste Transportation
- Solid Waste (Landfills)
- Stormwater
- Underground Storage Tanks

Oversight

- DHEC monitors SRS and surrounding area to determine impact of SRS activities.
 - Air, water, soil, sediment, vegetation, milk, fish, and game animals
- DHEC maintains frequent presence at SRS through our Regional Office.



ESOP
Environmental Surveillance
and Oversight Program
2017 DATA REPORT



Aiken Environmental Affairs Office
206 Executive Street, N.E.
Aiken, SC 29801

CR-004111 2/16

Emergency Preparedness

- SC has a comprehensive emergency operations plan for disasters
 - Natural (hurricanes, earthquakes, etc.)
 - Man-made (terrorism)
- DHEC takes extra measures for SRS
 - Hold practice drills specifically geared to SRS
 - Meet quarterly



Improvement - Cleanup

- Hazardous Waste Permit
 - Requires assessment and cleanup of all waste contaminated areas at SRS
 - Covers some major areas/plumes (F, H, M, MWMF)



Improvement - Cleanup

- Federal Facility Agreement (FFA)
 - DHEC-RCRA authority (Hazardous Waste Permit)
 - EPA-CERCLA authority
 - Marries process by which DHEC, EPA, and DOE conduct cleanup



Improvement - Cleanup

- Differences between Hazardous Waste Permit and FFA
 - RCRA Permit is a defined regulatory mechanism
 - FFA is an agreement
 - RCRA Permit violation → enforcement
 - FFA disagreement → dispute resolution
- Federal Facility Agreement
 - Works well
 - Well-established, efficient cleanup team
 - Yearly updates

Improvement – Legacy Waste

- Site Treatment Plan
 - Enabled by Federal Facility Compliance Act
 - Requires treatment of legacy waste by an approved schedule, enforced by order
 - Covers legacy mixed low-level, transuranic, and high-level waste
- Requires State approval for any haz/rad waste shipment proposed to SRS

High-Level Waste



High-Level Waste

- Section 3116 of 2005 National Defense Authorization Act
- Residuals remaining must be under
 - Energy Secretary determination in consultation with NRC and
 - “A State-approved closure plan or State-issued permit”

High-Level Waste Tanks

- Regulated under State Wastewater Program
 - Operation through Wastewater Permit
 - Closure through Wastewater Closure Plan
 - General Closure Plan
 - Closure Modules (Tank-Specific)
- Also covered by Hazardous Waste Permit cleanup authority
- Addressed through FFA process

Status

- Committed to maintaining
 - Permits and inspections
 - Cleanup momentum
 - Emergency preparedness
 - Oversight
- DHEC will focus on
 - HLW treatment and tank closure
 - Site cleanup
 - Legacy waste disposition





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