

South Carolina Department of Health and Environmental Control Regulatory Oversight

Van Keisler

Federal Facility Agreement Manager

SCDHEC Coverage

- Do not cover
 - Storage of spent nuclear fuel
 - Nuclear materials
- Exempted by Congress

DHEC Environmental Roles

- Protection
- Oversight
- Emergency Preparedness
- Improvement

Environmental Quality Control

- Bureau of Land and Waste Management
- Bureau of Air
- Bureau of Water
- Bureau of Environmental Health Services

Protection

- Federal and State Laws/Regulations
- EPA delegates implementation to 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 necessary

Protection Programs

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

Oversight

- DHEC monitors SRS and surrounding area to determine impact of SRS activities.
 - Air, water, soil, sediment, vegetation, milk, fish and game animals
- www.scdhec.gov/environment/envserv/esop.htm
- DHEC maintains frequent presence at SRS through office in Region.

Emergency Preparedness

- South Carolina has a comprehensive emergency operations plan for disasters:
 - Natural (hurricanes, earthquakes, etc.)
 - Man-made (acts of terrorism)
- DHEC takes extra measures for SRS
 - Maintain responders with Q Clearance
 - 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)
- Federal Facility Agreement
 - Resource Conservation and Recovery Act authority (RCRA)
 - Comprehensive Environmental Response, Compensation and Liability Act authority (CERCLA)
 - Marries process by which DHEC, EPA and DOE conduct cleanup
 - Ensures cleanup activities satisfy both RCRA and CERCLA requirements

Improvement - Cleanup

- Differences between Hazardous Waste Permit and Federal Facility Agreement (FFA)
 - RCRA Permit is a defined regulatory mechanism
 - FFA is an agreement
 - RCRA Permit violation => enforcement
 - FFA disagreement => dispute resolution
- Federal Facility Agreement
 - Has worked well
 - Run by a well established, highly efficient cleanup team
 - Always current due to 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

- 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

- Regulated under State Wastewater Program
 - Operates under an Industrial Wastewater Permit
 - Closure under an Industrial Wastewater Closure Plan consisting of:
 - General Closure Plan (Tank Farm Specific)
 - Closure Modules (Tank Specific)
- Also covered by Hazardous Waste Permit cleanup authority
- Addressed through FFA process

SCDHEC Team

FFA Review Team

Ernest Davis

Duke Taylor

Ashleigh Thrash

Carrier Turner

Heather Cathcart

Van Keisler

Waste Water Review Team

Bryon Amick

Bridget Clarke

Barry Mullinax

Lorea Sample

Crystal Rippy

SCDHEC Team

Environmental Health Services Team

Leigh Beatty

Greg O'Quinn

Trey Reed

Scott Simons

Jennifer Hughes

Shelly Wilson – SRS Liaison

Status

- Committed to Maintaining
 - Permits and inspections
 - Oversight
 - Emergency preparedness
- DHEC will focus on
 - High Level Waste treatment and tank closure
 - Continued site cleanup
 - Legacy waste disposition

Questions ?

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