State Regulatory Oversight

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Permitting and Federal Facilities Liaison
DHEC Coverage

• Do not cover
  • Storage of spent nuclear fuel
  • Nuclear materials

• Exempted by Congress
DHEC Environmental Roles

• Protection
• Emergency Preparedness
• Improvement
• Oversight
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)
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
  • DHEC-Resource Conservation and Recovery Act authority (Hazardous Waste Permit)
  • EPA-Comprehensive Environmental Response, Compensation and Liability Act authority
  • Marries process by which DHEC, EPA and DOE conduct cleanup
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

- Milestone example: Treatment of high level waste by 2028
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
  • 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

• Maintain
  • Permits and inspections
  • Cleanup momentum
  • Emergency preparedness
  • Oversight

• DHEC will focus on
  • High Level Waste treatment and tank closure
  • Site cleanup
  • Legacy waste disposition
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