



# **Regional Perspectives on Low-Level Waste and Sealed Sources**

**April 17, 2009**

**Daniel Collins, Deputy Director  
Division of Nuclear Materials Safety  
Region I**

# Inspection Process

- Inspection of LLW management
  - Captured in routine safety inspection procedures
  - Two procedures revised to consider security
  - Few escalated enforcements
- Data not collected by inspection

# Experience During Decommissioning

- Large quantities of Class A waste handled safely
- Currently, no major backlog
- Some challenges with Class B/C waste

# Waste Management Experience at Materials Facilities

- Mostly non-radioactive and Class A waste
- Licensees anticipated Barnwell closure
- Low volumes of Class B/C waste
- Packaging guidance important
- Unique challenges

# Disposition of Sealed Sources

- Shipped back to manufacturer
- Transferred to other licensees
- Recovered by the Off-Site Source Recovery Project
- Conference of Radiation Control Program Directors, Inc.
- Sources awaiting transfer stored safely

# Reactor Class B/C Waste

- Power Reactors
  - Resin waste managed safely
  - Irradiated components stored in fuel pools
  - Evaluating storage in shielded canisters

# Reactor Class B/C Waste

- Research & Test Reactors
  - No current problems with Class B/C waste
  - Very little waste produced
  - Barnwell closure anticipated
  - Future disposal concerns

# Conclusions

- Minimal backlog of waste in U.S.
- Sealed sources safely managed
- Licensees in Puerto Rico need disposal options
- Inspection process provides awareness