



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION



Bureau of Radiation Protection

Status of LLRW Compacts and Update on Commercial LLRW Disposal Facilities

Low-Level Radioactive Waste Advisory
Committee Meeting

September 29, 2023

Josh Shapiro

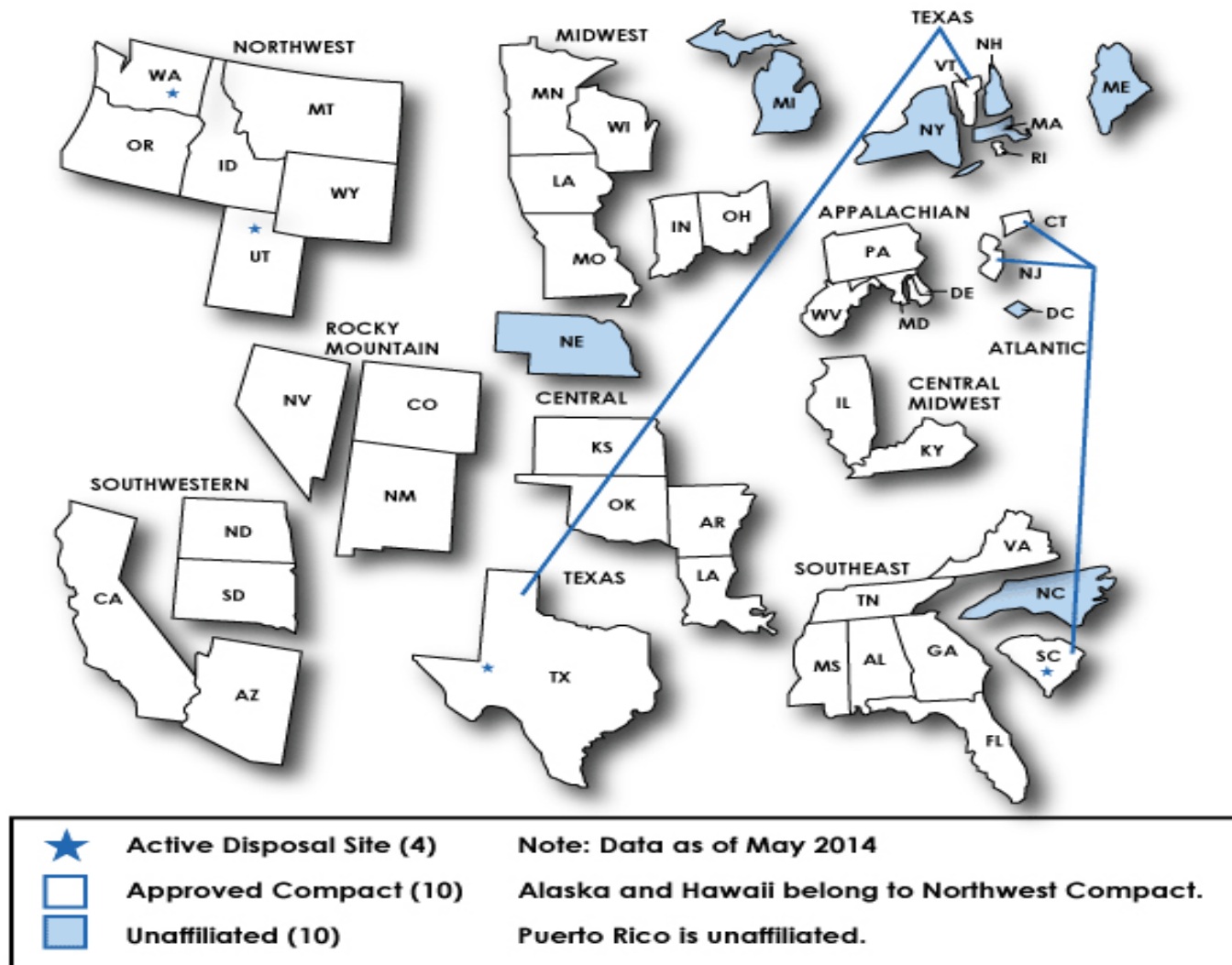
Richard Negrin, Secretary

Background: Federal Legislation

Federal
Low-Level
Radioactive Waste
Policy Act

- States Responsible
- Compacts Encouraged
- Exclusion of Out-of-Compact Waste

Status of LLRW Compacts



Commercial LLRW Disposal Facilities

- **Barnwell Disposal Facility in South Carolina (Regional Facility)**
 - Holds a license from the State of South Carolina for disposal of Class A, B and C wastes from the Atlantic Compact (CT, NJ, SC)
 - Closed to generators outside the Atlantic Compact as of July 1, 2008

- **Richland Facility in Washington (Regional Facility)**
 - Holds a license from the State of Washington for disposal of Class A, B and C wastes from the Northwest and Rocky Mountain Compacts

- **EnergySolutions Facility in Utah (not a Regional Facility)**
 - Holds a license from the State of Utah for disposal of LLRW (Class A only) and Class A mixed waste
 - Provides for disposal of bulk waste, containerized waste, and large components
 - Transports large components for disposal
 - Seeking approval for license renewal of Class A waste including sealed sources, licensing of a Federal cell and exempted waste cell

Commercial LLRW Disposal Facilities

- **WCS Disposal Facility in Texas (Regional Facility)**
 - WCS holds a license from the State of Texas for the disposal of LLRW (Class A, **B and C**), federal LLRW and mixed waste
 - Provides for disposal of bulk waste, containerized waste and large components
 - Annual limit on radioactivity of out-of-compact waste is 275,000 Ci
 - No annual limit on volume of out-of-compact waste
 - 70 percent of licensed capacity is allocated to the in-compact (Texas and Vermont) and 30% to out-of-compact LLRW
 - License Renewal is expected by September of 2024
 - Construction of new cell allows for additional capacity



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION



Bureau of Radiation Protection

QUESTIONS?

Rich Janati, M.S.
Bureau of Radiation Protection

Phone: 717-787-2163
rjanati@pa.gov



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION