



**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 30, 2022

Tom Wolf, Governor

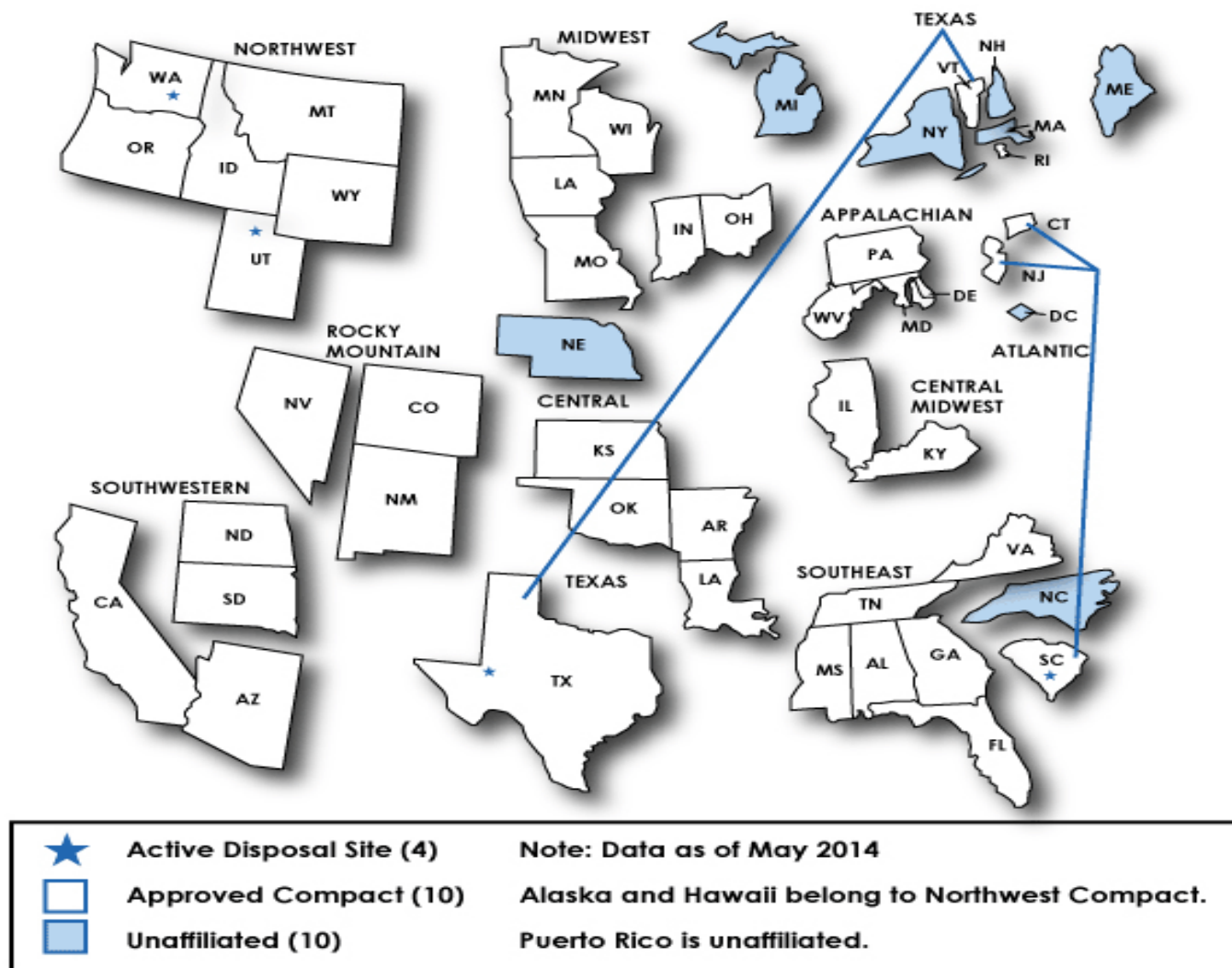
Ramez Ziadeh, Acting Secretary

# Background - Federal Legislation

Federal  
Low-Level  
Radioactive Waste  
Policy Act

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

# Status of LLRW Compacts



# Status of Commercial LLRW Disposal Facilities

- **Barnwell Disposal Facility in South Carolina (Regional Facility)**
  - Accepts 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)**
  - Accepts Class A, B, and C wastes from the Northwest and Rocky Mountain Compacts
- **EnergySolutions Facility in Utah (not a Regional Facility)**
  - Accepts Class A waste
  - Processes radioactive liquids
  - Provides for disposal of bulk waste, containerized waste, large components, and mixed waste
  - Transports large components for disposal
  - Seeking approval for license renewal of Class A waste, licensing of a Federal cell and exempted waste cell

# Status of Commercial LLRW Disposal Facilities

- **WCS Disposal Facility in Texas (Regional Facility)**
  - Accepts commercial LLRW (Class A, **B and C**) and federal LLRW and mixed waste
  - 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 and 30 percent to out-of-compact LLRW
  - Disposal of depleted uranium (DU) and Greater-Than-Class C (GTCC) waste is being considered
  - TCC Formed Capacity Committee to ensure future economic stability of the WCS facility

# Questions?

Rich Janati, M.S.  
Bureau of Radiation Protection

Phone: 717-787-2163  
[rjanati@pa.gov](mailto:rjanati@pa.gov)