



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Radiation Protection



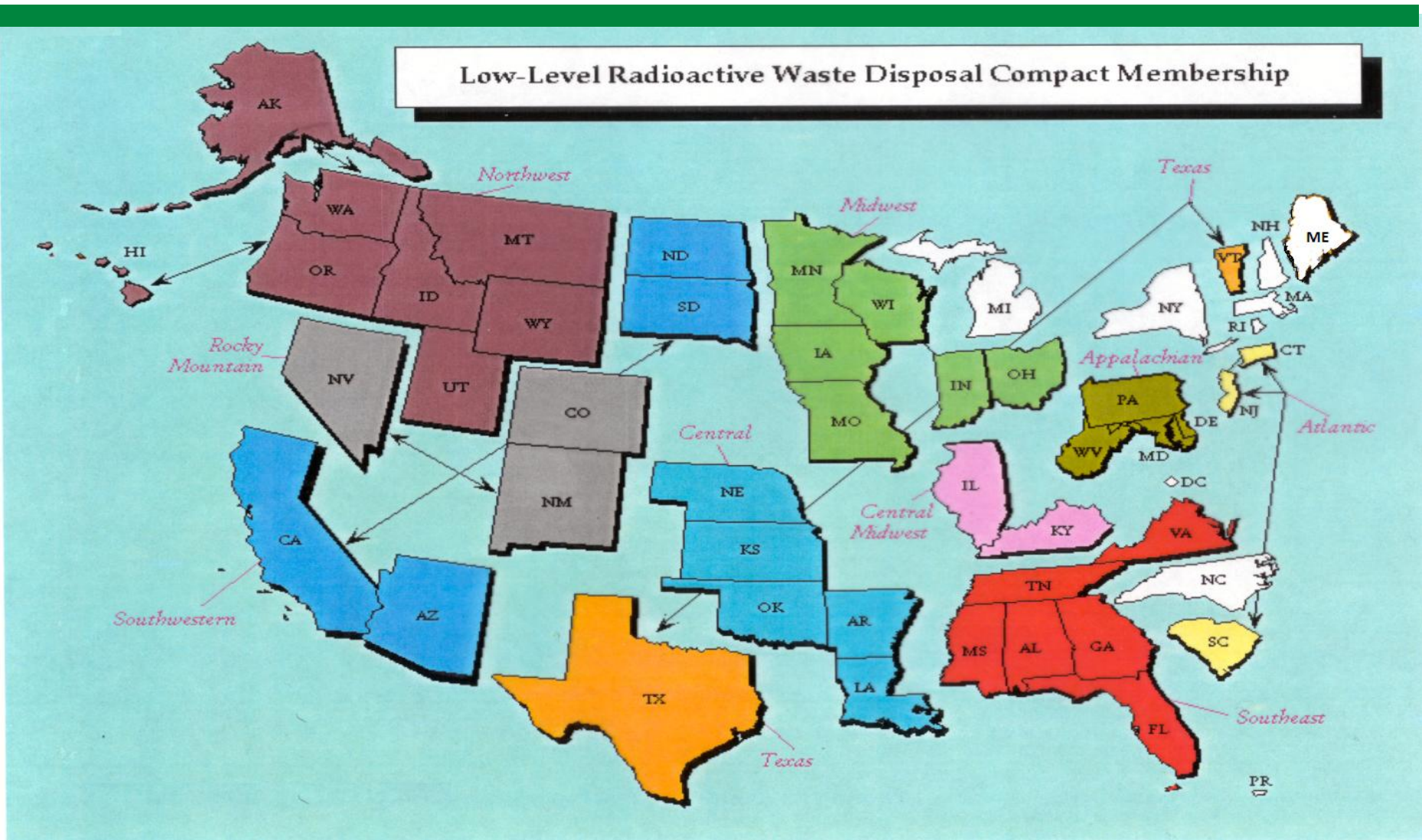
Status of Commercial Low-Level Radioactive Waste Disposal Facilities

Appalachian Compact Commission Meeting
November 8, 2019

Tom Wolf, Governor

Patrick McDonnell, Secretary

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 (11 states in 2 compacts)
- **EnergySolutions Facility in Utah (not a Regional Facility)**
 - Accepts Class A waste (soil, resin, filters, operational waste, large components) from the entire nation except the Northwest and Rocky Mountain Compacts
 - Processes radioactive liquids
 - Provides for disposal of bulk waste, containerized waste, large components, and mixed waste
 - Transports large components for disposal

Status of Commercial LLRW Disposal Facilities

EnergySolutions (Cont.)

- May not receive or dispose of significant quantities of DU (one metric ton) until Utah approves DU performance assessment
- Approval for disposal of Class A sealed sources has been requested and is part of the permanent license amendment
- In May 2019, Utah legislature enacted House Bill 220 (HB-220) re disposal of radioactive waste in Utah

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
 - Disposal of Depleted Uranium (DU) and Greater-Than-Class C (GTCC) waste is being considered
 - Texas legislature introduced proposed Bills HB-2269 and SB-1021 relating to operations of the facility and SB-1753 relating to regulation of radioactive waste

Recent National Developments

- Interpretation of Definition of High-Level Radioactive Waste
- Very Low-Level Waste (VLLW) Scoping Study
- Status of 10 CFR Part 61 Rulemaking
- Greater-Than-Class C (GTCC) Waste Regulatory Basis

Questions?

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