



pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Radiation Protection

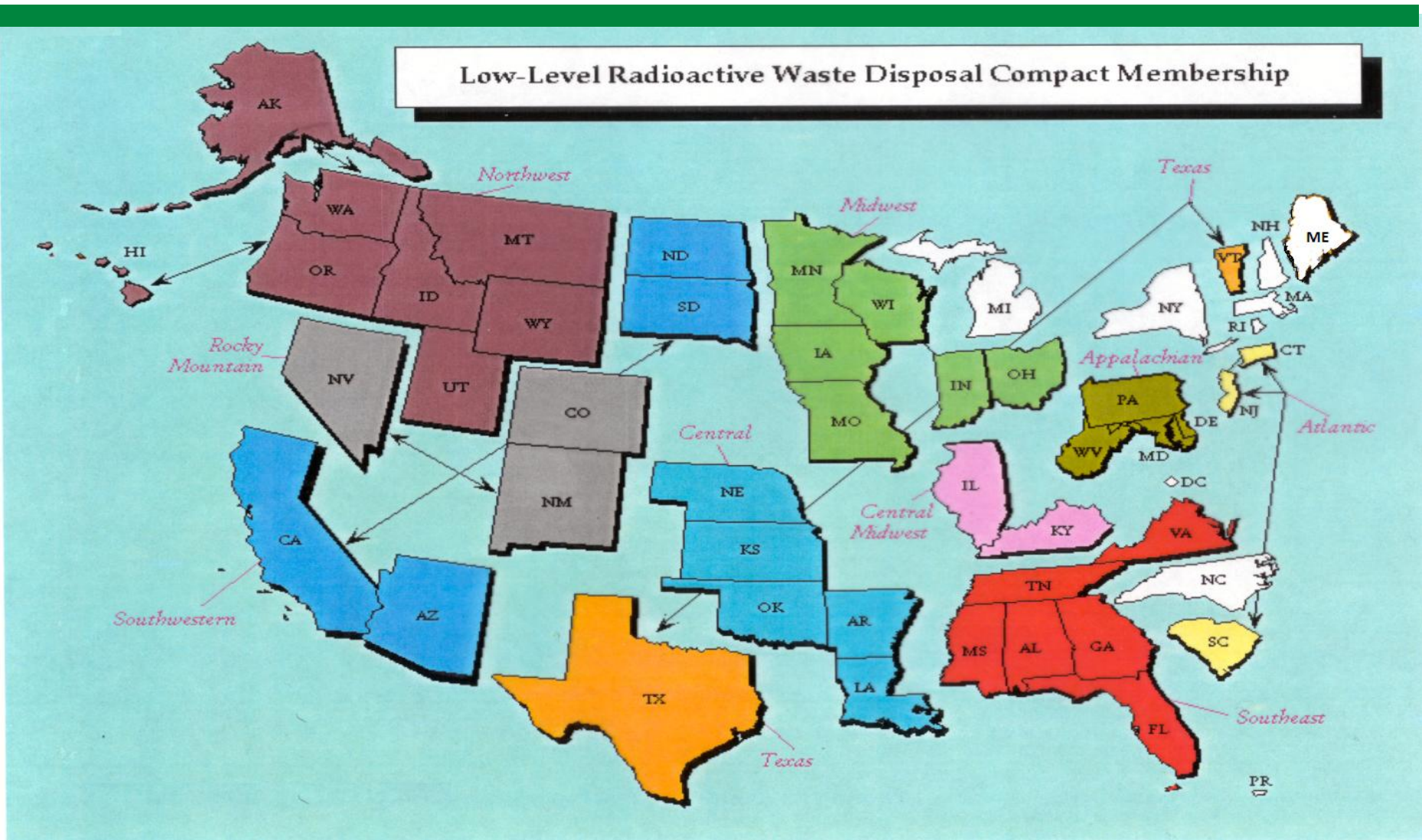


Status of Low-Level Radioactive Waste (LLRW) Compacts and update on Commercial LLRW Disposal Facilities

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
 - Current projected closure date is 2038
- **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)
 - Current projected closure date is 2056
- **EnergySolutions Facility in Utah (not a Regional Facility)**
 - Accepts Class A waste from the entire nation except the Northwest and Rocky Mountain Compacts
 - Provides for disposal of bulk waste, containerized waste, large components, and mixed waste
 - Transports large components such as steam generators for disposal

Status of Commercial LLRW Disposal Facilities

EnergySolutions Cont.)

- Regulatory review for disposal of large quantities of depleted uranium (DU) underway
- Utah granted license variance for disposal of sealed sources

Received and managed 41,192 sealed sources between 2013 and 2016 under the CRCPD Source Collection and Threat Reduction (SCATR) Program

- Approval for disposal of Class A sealed sources has been requested and it is part of the permanent license amendment
- Current projected closure date is 2050

Status of Commercial LLRW Disposal Facilities

➤ **WCS Disposal Facility in Texas (Regional Facility)**

— Two facilities: one license

- Compact facility (initially licensed for 2.3 Mft³ and 3.9 MCi)
- Federal facility for DOE waste (26 Mft³ and 5.6 MCi)

- 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
- Volume expansion from 2.3 Mft³ to 9 Mft³ granted by TCEQ
- Disposal of Depleted Uranium (DU) and Greater-Than-Class C (GTCC) waste is being considered
- Current projected closure date is 2045

Recent Developments re Management and Disposal of LLRW

- Update on EnergySolutions' Acquisition of Waste Control Specialists
- NRC released a rulemaking plan on financial assurance for disposition of Category 1 and 2 byproduct material radioactive sealed sources (SECY-16-0115)
- Commission issued the 10 CFR Part 61 Staff Requirements Memorandum (SECY-16-0106)
- NRC plans to issue a FRN to launch a scoping study on the issue of whether and how to define, as well as the potential impacts of defining a new category of “very low activity” radioactive waste