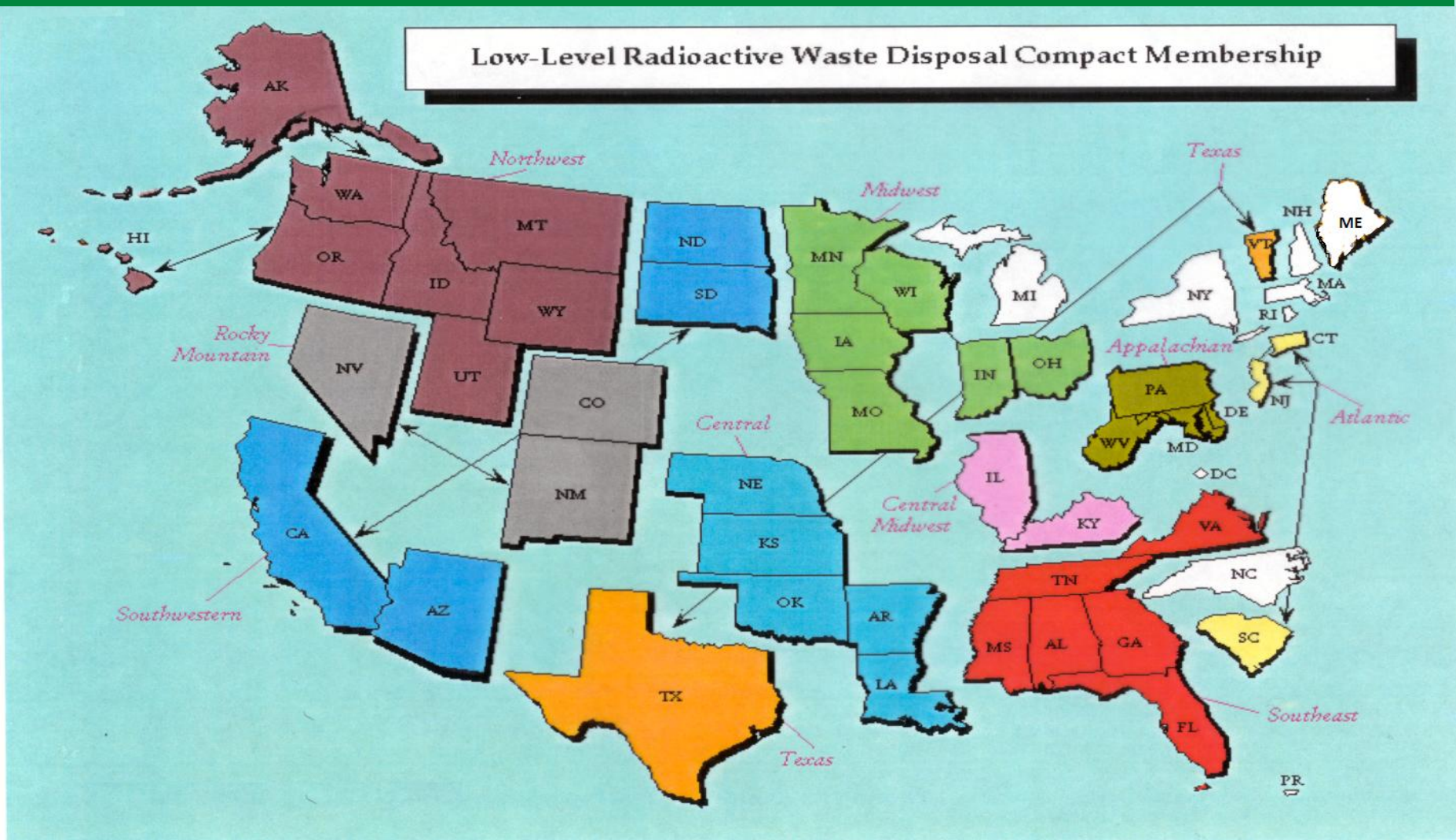


**Appalachian States Low-Level Radioactive Waste
Commission**

**Status of LLRW Compacts and
Update on Commercial LLRW
Disposal Facilities**

November 5, 2021

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
 - Processes radioactive liquids
 - Provides for disposal of bulk waste, containerized waste, large components, and mixed waste
 - Transports large components for disposal
 - Submitted several license amendments related to 11e.(2) cell, disposal of depleted uranium (DU) in the Federal cell, and a proposed exempt 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
 - Texas Compact Commission (TCC) Published a Contingency Plan
 - TCC Forms Capacity Committee

LOW-LEVEL WASTE STATISTICS FOR 2020*

➤ <u>Disposal Facility</u>	<u>Volume (ft3)</u>	<u>Activity (Ci)</u>
WCS, TX	31,560	23,933
Barnwell, SC	31,478	643
Clive, UT	930,528	6,511
Richland, WA	15,291	9,236
TOTAL	1,008,857	40,323

*Source – Nuclear Regulatory Commission

<https://www.nrc.gov/waste/llw-disposal/licensing/statistics.html>

Thank you

Questions?

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