

# Conference of Radiation Control Program Directors: Involvement in Radioactive Waste and Source Disposal



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# CRCPD



- Conference of Radiation Control Program Directors
  - Established in 1968
  - 501(c)(3) nonprofit nongovernmental professional organization dedicated to radiation protection
- Membership
  - State Radiation Control Programs
  - Local Government
  - Anyone interested in Radiation Protection

# Mission

- To promote consistency in addressing and resolving radiation protection issues.
- To encourage high standards of quality in radiation protection programs.
- To provide leadership in radiation safety and education.

# Purpose

- To provide a common forum for the exchange of information among State and local radiation control programs.
- To provide a mechanism for States to communicate with the federal government on radiation protection issues.
- To encourage and support programs that will contribute to radiation control for all

# Suggested State Regulations

- SSRCRs – Suggested State Regulations for the Control of Radiation (SSRs for short)
  - Set up as “model” state regulations
  - Developed as a consensus document with collective involvement of state members, advisors, and resource individuals from medical and industrial communities
  - Compatibility with federal regulations (NRC, DOT, FDA, etc.)
  - Performance standards for facilities

# Addressing Changes by Training and Informing State Radiation Control Programs

- New radiation modalities in diagnostic and therapeutic radiology
- Increased complexity results in need for more sophisticated health physics evaluations, training for users
- Emerging radiation issues, such as TENORM and **source security**
- Rapid changes result in need for flexible regulations and skilled regulatory personnel

# Committee on Radioactive Waste Management

- Work with the sited state regulators to compile a list of their important disposal site waste acceptance criteria
- Develop white papers and guidance on radioactive waste related issues
- Review and update current CRCPD and Board waste -related positions/resolutions for board approval
- Provide a CRCPD Liaison with the Low-Level Radioactive Waste Forum

# Committee for Unwanted Radioactive Materials

- Provide guidance on the implementation and operations of both the Unwanted and Orphan Radioactive Materials Program and the Source Collection and Threat Reduction Program (SCATR)
- Investigate alternate disposition options including reuse, recycling , and source exchange programs for sources
- Collaborate with Institute of Scrap Recycling Industries on the issues involving radioactivity in scrap
- Investigate collaboration with DOE Offsite Recovery Program in dealing with the challenges of proper disposition of Cs -137 CDV irradiators (decayed to 50 to 60 Ci each) distributed by FEMA many years ago



# Disused Sources Working Group

Established by LLW  
Forum to make  
recommendations on  
proper management  
and dispositioning of



**RADIOACTIVE SEALED  
SOURCES & DEVICES**

# Issues Identified by DSWG

- Failure to Reuse Sealed Sources in Inventory and to Consider Alternative Technologies
- Lack of Awareness of the Life-Cycle Costs of Managing Sealed Sources
- Inadequate Licensing Requirements
- Lack of an Adequate Source Tracking System
- Inadequate Financial Assurance Requirements
- Licensees Are Not Taking Advantage of Disposal Opportunities

# Disposal Opportunities— DSWG Recommendations

- States that host Class B and C low-level radioactive waste disposal facilities should review their policies, waste acceptance criteria, and the alternate approaches methodology provided in the NRC's revised Branch Technical Position on Concentration Averaging and Encapsulation (CA BTP) to potentially allow disposal of higher activity sources.
- The Texas Compact should continue to allow the disposal of sealed sources from outside the compact.

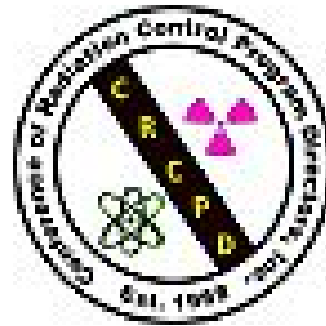
# Website for DSWG Brochure on Proper Management and Disposition of Disused Sealed Sources

- <http://www.disusedsources.org/wp-content/uploads/2017/01/DSWG-Brochure-to-Current-Licensees-FINAL-12.16.16.pdf>



# Texas Compact Site Important to Source Security and Disposition

- Only three other compacts have access to a site:
  - Northwest
  - Rocky Mountain
  - Atlantic
- 36 states and all US territories depend on access to the Texas Compact Site for disposal access



Thanks!

[www.crcpd.org](http://www.crcpd.org)