



# **SOURCE COLLECTION AND THREAT REDUCTION PROGRAM SCATR: A BRIEF INTRODUCTION AND CURRENT STATUS**

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# Organization

**NNSA-** established in 2000 by Congress as separate agency within DOE for management & security of nation's nuclear weapons, nuclear proliferation & naval reactor progress.

**Defense Nuclear Non-Proliferation- 2015**

**Global Material Security- 2015**

**Office of Radiological Security- 2015**

**Radiological Removal Program-2015**

**OSRP- 2003**

**SCATR- 2007**

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# Origins

DOE/NNSA and CRCPD enter cooperative agreement to support sealed source consolidation and disposal at the state level.

NNSA funds, CRCPD administers.

Goal to collect unused sealed (discrete) sources that could in aggregate be used maliciously.

Because disposal costly, funds supplied by NNSA to encourage disposal.

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# Program Scope

Sources eligible for disposal via SCATR:

- Brachytherapy sources ( $^{137}\text{Cs}$  and  $^{226}\text{Ra}$ )
- Eye applicators
- Low activity sources that exceed the NRC 120-day half-life limit for decay-in-storage
- Long half-life industrial sources, and calibration sources.

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# Program Scope

## Sources not eligible:

- Scaled pipe
- Transuranic/actinide-series isotopes greater than Class A
- License-exempt sources
- Other sources that have already passed through ten half-lives should not necessarily be registered for SCATR since in most cases they may be disposed by other means.

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# Latest Initiative

Seek a commercial disposal option for Class C, Cs-137 sources up to 920 Curies.

Self shielded

Uses criteria in new BTP on Concentration averaging

Disposal package very robust used to justify claim of integrity over long time.

Burial depth >10 meters.

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# Initiative Achieved

September 27, 2017



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# Collected and Disposed to Date

- TOTAL SOURCES

TOTAL CURIES

- 23,191

809.55

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# INFORMATION ABOUT SCATR

## CONTACT

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## WHERE TO FIND THE REGISTRATION FORM

<http://osrp.lanl.gov/SCATRTemplate.xls>

## INFORMATION ABOUT CRCPD AND ITS OTHER PROGRAMS

<http://www.crcpd.org>

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