Arkansas Department of Health

4815 West Markham Street • Little Rock, Arkansas 72205-3867 • Telephone (501) 661-2000
Governor Mike Beebe
Paul K. Halverson, DrPH, FACHE, Director and State Health Officer

ARKANSAS INFORMATION NOTICE 13-04

To: Radioactive Material Licensees

From: Jared Thompson, Program Manager
Radioactive Materials Program

Subject: Opportunity for 50% Cost-Shared Commercial Sealed Source Disposal

Date: June 10, 2013

The Arkansas Department of Health, Radioactive Materials Program has been notified that the of Conference Radiation Control Program Directors (CRCPD) Source Collection and Threat Reduction Program (SCATR) is offering radioactive sealed source generators in Arkansas 50% cost-shared collection, processing, and disposal for certain commercial sealed sources. The SCATR collections are targeting Class A sealed sources for cost-shared disposal at the Energy*Solutions* Clive, Utah commercial disposal facility, but will also collect and dispose of Class B and C sources from the same generator locations on a 50% cost-shared basis.

In order to participate in this effort, generators must register their disused sealed sources with the Off-Site Source Recovery Project (OSRP) (http://osrp.lanl.gov/PickUpSources.aspx) by **June 30, 2013**. Please also verify the point of contact information for any sources you may already have registered with OSRP. Registration of sources with OSRP does not constitute a commitment by the generator to participate in the initiative, but is necessary to be contacted with more information on the opportunity.

CRCPD is contracting with certified brokers for the collection, processing, and disposal of sources under this initiative. A representative from the certified broker will contact OSRP-registered generators in Arkansas after June 30, 2013 with further details on pricing, scheduling, and eligible sources.

The attached CRCPD information sheet contains additional information on the effort.

Please note that CRCPD/SCATR cost-shared sealed source disposal opportunities are limited. We recommend that licensees with disused sealed sources register these sources as soon as practicable and carefully consider participation in the current initiative.

If you have any questions regarding the effort, please don't hesitate to contact Russ Meyer at CRCPD at 512-761-3822 or rmeyer@crcpd.org. You may also contact the Arkansas Radioactive Materials Program at (501) 661-2173.

CRCPD/SCATR

June 30, 2013 Registration Deadline for Cost-Shared Collection and Disposal of Certain Sealed Sources

(June 1, 2013 – Final Notice)

The Source Collection and Threat Reduction Program (SCATR) administered by the Conference of Radiation Control Program Directors (CRCPD) is providing sealed source licensees in states which do not have access to an in-Compact low-level radioactive waste disposal facility an opportunity to dispose of certain unwanted radioactive sealed sources. CRCPD is offering generators who participate in this limited-time opportunity financial assistance equal to 50% of the cost of collection, processing, and disposal.

- Class A qualifying sources will be disposed at the Energy*Solutions* Clive, Utah facility under a special one year license variance.[1]
- Class B and C qualifying sources located at facilities participating in the Class A collection may also be collected and disposed with financial assistance at the Waste Control Specialists (WCS) Compact Waste Facility (CWF) located in Andrews County, Texas.

Generators must register their sources with the Offsite Source Recovery Project (OSRP) (http://osrp.lanl.gov/PickUpSources.aspx) by June 30, 2013 to qualify for participation in this cost-shared disposal effort.

This opportunity is supported by the Department of Energy's Global Threat Reduction Initiative (GTRI), the State of Utah Division of Radiation Control, Energy*Solutions*, and WCS.

Process and Timeline

1. **Register.** Register your Class A, B, and C disused sources with the Off-Site Source Recovery Project (OSRP) at http://osrp.lanl.gov/PickUpSources.aspx. Sources must be registered with OSRP by June 30, 2013 to qualify for disposal under this initiative.[2]
2. **Update.** If your sources are already registered with OSRP, you may wish to update your registration. Each source must be uniquely identified by a serial number or other unique identifier. Please also ensure that the appropriate site point of contact information is current and accurate.

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[1] **Only sources registered and collected through this CRCPD SCATR opportunity are eligible for disposal at Clive**. For further information on the one year Energy*Solutions* license variance for sealed source disposal at Clive, see http://www.radiationcontrol.utah.gov/EnSolutions/docs/2012/Apr/Variance.PDF.

[2] Registration of sources with OSRP does not constitute a commitment by the generator to participate in the initiative, but is necessary to be contacted with more information on the opportunity.

3. **Broker Engagement.** Following the June 30, 2013registration deadline, a certified waste disposal broker under contract with CRCPD will contact registered generators to confirm participation. The broker will provide a cost estimate for collection, processing, and disposal, including the CRCPD cost-share, and arrange a date and time for collection.
4. **Collection.** Upon the broker's arrival for collection of the material, facilities should have ready any available documentation pertaining to the activity, isotope, and date of manufacture or original assay of all sources to be collected, and also ensure that Class B and C sources are separated from the Class A sources.

Eligible Sources

Class A – The collection for sealed source disposal at Clive will include a range of Class A sealed sources which meet the criteria specified below.

- Each source by itself must meet the definition of Class A waste as defined in 10 CFR 61.55.[3] Commonly used radionuclides and their approximate Class A activity limits which could qualify for the collection include those identified in Table 1 below.

Table 1: Commonly Used Radionuclides and Class A Limits

Isotope	Class A Limit	Isotope	Class A Limit	Isotope	Class A Limit
^{60}Co	700 microCi/cm3	^{125}I	700 microCi/cm3	^{192}Ir	700 microCi/cm3
^{137}Cs	1 microCi/cm3	^{109}Cd	700 microCi/cm3	^{65}Zn	700 microCi/cm3
^{153}Gd	700 microCi/cm3	^{133}Ba	unlimited	^{204}Tl	700 microCi/cm3
^{55}Fe	700 microCi/cm3	^{68}Ge	700 microCi/cm3	^{22}Na	700 microCi/cm3
^{57}Co	700 microCi/cm3	^{152}Eu	unlimited	^{54}Mn	700 microCi/cm3
^{210}Po	700 microCi/cm3	^{147}Pm	700 microCi/cm3	^{195}Au	700 microCi/cm3

Class B and C – Class B and C sources located at the same generator sites as those participating in the Class A initiative are also eligible for the 50% cost-shared disposal. Class B and C sources will be separately processed, packaged, and disposed at WCS in Andrews County.[4]

Further Information

If you have questions regarding this opportunity, please call or email Russ Meyer at CRCPD at 512-761-3822 or rmeyer@crcpd.org.

[3] The quotient of the current activity of the radionuclide in the source divided by the volume of the source cannot exceed the Class A limit as specified in 10 CFR 61.55 tables. This includes any radionuclide not specifically listed in the 10 CFR 61.55 tables with a half-life < 5 years. Other restrictions may apply.

[4] For waste classification purposes, the activity in a waste package may be averaged over the entire package in accordance with the Nuclear Regulatory Commission's 1995 "Final Branch Technical Position on Concentration Averaging and Encapsulation." Some radionuclides, such as C-14, may be subject to further limitations.