

(hhh) Requirements for nationally tracked sources.

(1) Reports of transactions involving nationally tracked sources. Each licensee who manufactures, transfers, receives, disassembles, or disposes of a nationally tracked source shall complete and submit to NRC a National Source Tracking Transaction Report as specified in the following subparagraphs for each type of transaction.

(A) Each licensee who manufactures a nationally tracked source shall complete and submit to NRC a National Source Tracking Transaction Report. The report shall include the following information:

- (i) the name, address, and license number of the reporting licensee;
- (ii) the name of the individual preparing the report;
- (iii) the manufacturer, model, and serial number of the source;
- (iv) the radioactive material in the source;
- (v) the initial source strength in becquerels (curies) at the time of manufacture; and
- (vi) the manufacture date of the source.

(B) Each licensee that transfers a nationally tracked source to another person shall complete and submit to NRC a National Source Tracking Transaction Report. A source transfer transaction does not include transfers to a temporary domestic job site. Domestic transactions in which the nationally tracked source remains in the possession of the licensee do not require a report to the National Source Tracking System. The report shall include the following information:

- (i) the name, address, and license number of the reporting licensee;
- (ii) the name of the individual preparing the report;
- (iii) the name and license number of the recipient facility and the shipping address;
- (iv) the manufacturer, model, and serial number of the source or, if not available, other information to uniquely identify the source;
- (v) the radioactive material in the source;
- (vi) the initial or current source strength in becquerels (curies);

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(vii) the date for which the source strength is reported;

(viii) the shipping date;

(ix) the estimated arrival date; and

(x) for nationally tracked sources transferred as waste under a Uniform Low-Level Radioactive Waste Manifest, the waste manifest number and the container identification of the container with the nationally tracked source.

(C) Each licensee that receives a nationally tracked source shall complete and submit to NRC a National Source Tracking Transaction Report. The report shall include the following information:

(i) the name, address, and license number of the reporting licensee;

(ii) the name of the individual preparing the report;

(iii) the name, address, and license number of the person that provided the source;

(iv) the manufacturer, model, and serial number of the source or, if not available, other information to uniquely identify the source;

(v) the radioactive material in the source;

(vi) the initial or current source strength in becquerels (curies);

(vii) the date for which the source strength is reported;

(viii) the date of receipt; and

(ix) for material received under a Uniform Low-Level Radioactive Waste Manifest, the waste manifest number and the container identification with the nationally tracked source.

(D) Each licensee that disassembles a nationally tracked source shall complete and submit to NRC a National Source Tracking Transaction Report. The report shall include the following information:

(i) the name, address, and license number of the reporting licensee;

(ii) the name of the individual preparing the report;

(iii) the manufacturer, model, and serial number of the source or, if not available, other information to uniquely identify the source;

(iv) the radioactive material in the source;

(v) the initial or current source strength in becquerels (curies);

(vi) the date for which the source strength is reported; and

(vii) the disassemble date of the source.

(E) Each licensee who disposes of a nationally tracked source shall complete and submit to NRC a National Source Tracking Transaction Report. The report shall include the following information:

(i) the name, address, and license number of the reporting licensee;

(ii) the name of the individual preparing the report;

(iii) the waste manifest number;

(iv) the container identification with the nationally tracked source.

(v) the date of disposal; and

(vi) the method of disposal.

(F) The reports discussed in subparagraphs (A) through (E) of this paragraph shall be submitted to NRC by the close of the next business day after the transaction. A single report may be submitted for multiple sources and transactions. The reports shall be submitted to the National Source Tracking System by using the following:

(i) the on-line National Source Tracking System;

(ii) electronically using a computer-readable format;

(iii) by facsimile;

(iv) by mail to the address on the National Source Tracking Transaction Report Form (NRC Form 748); or

(v) by telephone with follow-up by facsimile or mail.

(G) Each licensee shall correct any error in previously filed reports or file a new report for any missed transaction within 5 business days of the discovery of the error or missed transaction. Such errors may be detected by a variety of methods such as administrative reviews or by physical inventories required by regulation. In addition, each licensee shall reconcile the inventory of nationally tracked sources possessed by the licensee against that licensee's data in the National Source Tracking System. The reconciliation shall be conducted during the month of January in each year. The reconciliation process shall include resolving any discrepancies between the National Source Tracking System and the actual inventory by filing the reports identified by subparagraphs (A) through (E) of this paragraph. By January 31 of each year, each licensee shall submit to the National Source Tracking System confirmation that the data in the National Source Tracking System is correct.

(H) Each licensee that possesses Category 1 or Category 2 nationally tracked sources listed in paragraph (2) of this subsection shall report its initial inventory of Category 1 or Category 2 nationally tracked sources to the National Source Tracking System by January 31, 2009. The information may be submitted to NRC by using any of the methods identified by subparagraph (F)(i) through (iv) of this paragraph. The initial inventory report shall include the following information:

- (i) the name, address, and license number of the reporting licensee;
- (ii) the name of the individual preparing the report;
- (iii) the manufacturer, model, and serial number of each nationally tracked source or, if not available, other information to uniquely identify the source;
- (iv) the radioactive material in the sealed source;
- (v) the initial or current source strength in becquerels (curies); and
- (vi) the date for which the source strength is reported.

(2) Nationally tracked source thresholds. The Terabecquerel (TBq) values are the regulatory standards. The curie (Ci) values specified are obtained by converting from the TBq value. The curie values are provided for practical usefulness only and are rounded after conversion.

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Radioactive Material	Category 1 (TBq)	Category 1 (Ci)	Category 2 (TBq)	Category 2 (Ci)
Actinium-227	20	540	0.2	5.4
Americium-241	60	1,600	0.6	16.0
Americium-241/Be	60	1,600	0.6	16.0
Californium-252	20	540	0.2	5.4
Cobalt-60	30	810	0.3	8.1
Curium-244	50	1,400	0.5	14.0
Cesium-137	100	2,700	1.0	27.0
Gadolinium-153	1,000	27,000	10.0	270.0
Iridium-192	80	2,200	0.8	22.0
Plutonium-238	60	1,600	0.6	16.0
Plutonium-239/Be	60	1,600	0.6	16.0
Polonium-210	60	1,600	0.6	16.0
Promethium-147	40,000	1,100,000	400.0	11,000.0
Radium-226	40	1,100	0.4	11.0
Selenium-75	200	5,400	2.0	54.0
Strontium-90	1,000	27,000	10.0	270.0
Thorium-228	20	540	0.2	5.4
Thorium-229	20	540	0.2	5.4
Thulium-170	20,000	540,000	200.0	5,400.0
Ytterbium-169	300	8,100	3.0	81.0

(3) Serialization of nationally tracked sources. Each licensee who manufactures a nationally tracked source after February 6, 2007, shall assign a unique serial number to each nationally tracked source. Serial numbers shall be composed only of alpha-numeric characters.