

U.S. NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

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| Licensee | | |
| 1. CSMI, LLC | | 3. License number 20-35022-01 |
| 2. 60 Island Street Lawrence, MA 01840-1835 | | 4. Expiration date February 28, 2023 |
| | | 5. Docket No. 03038594 Reference No. |
| 6. Byproduct, source, and/or special nuclear material | 7. Chemical and/or physical form | 8. Maximum amount that licensee may possess at any one time under this license |
| A. Cesium 137 | A. Sealed Sources (Minnesota Mining and Manufacturing Co. Model No. 4F6S; Monsanto Research Company Model No. 24148; Amersham Corporation Model Nos. CDC.700 and CDC.711m; Vega Americas Corporation Model No. A-58804; and J. L. Shepherd & Associates Model No. 81-8 EXT Gamma Irradiator) | A. Not Applicable (See Condition 10) |
| B. Cobalt 60 | B. Sealed Sources (Vega Americas Corporation Model Nos. A-2100, A-58804, or A-60324; and Isotope Products Laboratories Model No. P04 Series source in NGRID-1 gauge) | B. Not Applicable (See Condition 10) |

9. Authorized use:

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- A. and B. For use incident to service for other persons as defined in 10 CFR 20.1003 for:
- (1) Installation, radiation surveys, relocation, removal from service, source exchange, source retrieval, transportation, replacement, disposal of the sealed source, maintenance, or repair of components related to the radiological safety of Science Applications International Corporation Military Mobile VACIS, and Rapiscan Systems Neutronics and Advanced Technologies Corporation GaRDS devices that have been registered either with the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or with an Agreement State.
 - (2) Leak test sample collection.

CONDITIONS

10. The licensee does not take possession of the radioactive material(s) and/or source(s) while at the client's facility.
11. Licensed material may be used only at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material, including areas of exclusive Federal jurisdiction within Agreement States.

If the jurisdiction status of a Federal facility within an Agreement State is unknown, the licensee should contact the Federal agency controlling the job site in question to determine whether the proposed job site is an area of exclusive Federal jurisdiction. Authorization for use of radioactive materials at job sites in Agreement States not under exclusive Federal jurisdiction shall be obtained from the appropriate state regulatory agency.

12. Licensed material shall be used by, or under the supervision and in the physical presence of, individuals who have received the training described in the letter dated January 7, 2013.
13. The Radiation Safety Officer for this license is Roberto Bhaday.
14. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed six months or at the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State.

B. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.

C. Sealed sources need not be tested if they are in storage and are not being used; however, when

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they are removed from storage for use or transferred to another person and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

- D. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.
- E. Tests for leakage and/or contamination, limited to leak test sample collection, shall be performed by the licensee or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services. The licensee is not authorized to perform the analysis; analysis of leak test samples must be performed by persons specifically licensed by U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
- F. Records of leak test results shall be kept in units of microcuries and shall be maintained for 5 years.
15. Sealed sources or source rods containing licensed material shall not be opened or sources removed or detached from source rods or gauges by the licensee, except as specifically authorized.
16. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

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17. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Application dated December 3, 2012 (ML12340A385)
- B. Letter dated January 7, 2013 (ML13011A413)
- C. Letter dated January 18, 2013 (ML13023A187)



For the U.S. Nuclear Regulatory Commission

Date February 12, 2013

By

Original signed by Kathy Modes

Kathy Modes
Decommissioning Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406