

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, 37, 39, 40, 70 and 71, 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.

<p>Licensee</p> <p>1. Troy Curnutt Consulting</p> <p>2. 2861 Lois Lane Pocatello, ID 83201</p>	<p>In accordance with letter received September 19, 2016</p> <p>3. License number: 11-35248-01 is amended in its entirety to read as follows:</p>	<p>4. Expiration Date: September 30, 2025</p> <p>5. Docket No.: 030-38843 Reference No.:</p>
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Barium-133</p> <p>B. Cesium-137</p>	<p>7. Chemical and/or physical form</p> <p>A. Sealed Sources (International Isotopes Idaho, Inc., Model BM06E Series, BM06S Series)</p> <p>B. Sealed Sources (International Isotopes Idaho, Inc., Model BM06E Series, BM06S Series)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 500 microcuries per source and 500 microcuries total.</p> <p>B. 500 microcuries per source and 550 microcuries total.</p> <p>9. Authorized use</p> <p>A. For use in providing commercial scaler/ratemeter scintillation counter analyzer efficiency and/or constancy.</p> <p>For use in performing leak tests, sample analysis and instrument calibration as a commercial service for any person as defined in 10 CFR 30.4.</p> <p>B. For use in providing commercial dose calibrator constancy, accuracy, and/or scaler/ratemeter scintillation counter analyzer efficiency.</p> <p>For use in performing leak tests, sample analysis and instrument calibration as a commercial service for any person as defined in 10 CFR 30.4.</p>

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- ## CONDITIONS

10. A. Licensed material may be used or stored at the licensee's facilities located at 2861 Lois Lane, Pocatello, Idaho.
- B. Licensed material may be used only at temporary job sites of the licensee anywhere in the U.S. where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.
11. Licensed material shall only be used by, or under the supervision of,
Authorized Users Material and Use
Vincent Troy Curnutt BA133,CO57,CS137
12. The Radiation Safety Officer (RSO) for this license is Vincent Troy Curnutt.
13. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sealed sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 3 years from the date of each inventory, and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.

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14. A. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or by an Agreement State. In the absence of a registration certificate, sealed sources shall be tested for leakage and/or contamination at intervals not to exceed 6 months, or at such other intervals as specified.
- B. Notwithstanding Paragraph A of this Condition, sealed sources designed to primarily emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.
- C. 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 by 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.
- D. Sealed sources need not be tested if they contain only hydrogen 3; or they contain only a radioactive gas; or the half-life of the isotope is 30 days or less; or they contain not more than 100 microcuries of beta- and/or gamma-emitting material or not more than 10 microcuries of alpha-emitting material.
- E. Sealed sources need not be tested if they are in storage and are not being used. However, when 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.
- F. The leak test shall be capable of detecting the presence of 0.005 microcuries (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcuries (185 becquerels) or more of a 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. The report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region IV, 1600 East Lamar Boulevard, Arlington, Texas 76011-4511, ATTN: Director, Division of Nuclear Materials Safety. The report shall specify the source involved, the test results, and corrective action taken. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. Records may be disposed of following Commission inspection.

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G. Tests for leakage and/or contamination, including leak test sample collection and analysis, shall be performed by the licensee or other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.

H. Records of leak test results shall be kept in units of becquerels (microcuries) and shall be maintained for 3 years.

15. Sealed sources containing licensed material shall not be opened or sources removed from source holders by the licensee, except as specifically authorized.
16. The licensee shall not acquire licensed material in a sealed source or device unless the source or device has been registered with the U.S. Nuclear Regulatory Commission pursuant to 10 CFR 32.210 or equivalent regulations of an Agreement State.
17. The licensee shall not use licensed material in or on human beings except as provided otherwise by specific condition of this license.
18. This license does not authorize commercial distribution of licensed material.
19. The licensee is authorized to transport licensed material only in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
20. The licensee shall not use licensed material in field applications where activity is released to the environment except as provided otherwise by specific condition of this license.

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21. 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. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. 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 February 23, 2015 (ML15090A728)

B. Email dated June 10, 2015 (ML15166A487)

C. Email dated September 1, 2015 (ML15267A419)

D. Letter received September 19, 2016 (ML16266A277)



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: November 29, 2016By: /RA/

Jacqueline D. Cook, Senior Health Physist
Nuclear Materials Safety Branch B
Region IV
Arlington, Texas 76011-4511