

**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.

Licensee 1. Materials Inspection and Testing, Inc. 2. 3807 Goshen Road Fort Wayne, IN 46818		In accordance with the facsimile letters dated <b>May 2, 2006, and July 7 and 11, 2006,</b> 3. License number 13-16961-02 is amended in its entirety to read as follows: 4. Expiration date May 31, 2014 5. Docket No. 030-18173 Reference No.
6. Byproduct, source, and/or special nuclear material A. Cesium-137 B. Americium-241	7. Chemical and/or physical form A. Sealed sources registered either with NRC under 10 CFR 32.240 or with an Agreement State and incorporated in a compatible gauging device as specified in Item 9 of this license. B. Sealed sources registered either with NRC under 10 CFR 32.240 or with an Agreement State and incorporated in a compatible gauging device as specified in Item 9 of this license.	8. Maximum amount that licensee may possess at any one time under this license A. No single source to exceed 10 millicuries each. Total activity not to exceed 40 millicuries. B. No single source to exceed 50 millicuries each. Total activity not to exceed 200 millicuries.
9. Authorized Use: A. and B. To be used in Campbell Pacific Nuclear Model MC series moisture/density gauge for measuring physical properties of materials.		

**CONDITIONS**

10. Licensed material may be stored at the licensee's facilities located at 3807 Goshen Road, Fort Wayne, Indiana and may be used 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.
11. The Radiation Safety Officer for this license is **Timothy J. Reams**.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
13-16961-02Docket or Reference Number  
030-18173

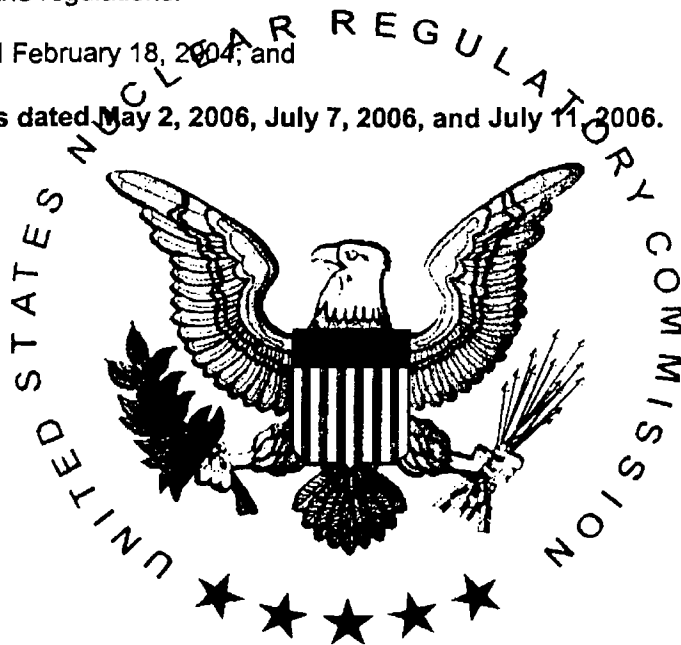
Amendment No. 9

12. Licensed material shall only be used by, or under the supervision and in the physical presence of, individuals who have received the training described in application dated February 18, 2004.
13. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as specified by the certificate of registration referred to in 10 CFR 32.210.
- B. In the absence of a certificate from a transferor indicating that a leak test has been made within 6 months prior to the transfer, a sealed source received from another person shall not be put into use until tested.
- C. Sealed sources need not be leak 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.
- 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, sealed, decontaminated, repaired, or disposed of in accordance with Commission regulations.
- E. The licensee is authorized to specify persons for analysis. Analysis of leak test samples shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
14. 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.
15. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by NRC, to account for all sources and/or devices received and possessed under the license.
16. 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."
17. Each portable nuclear gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport. A minimum of two independent physical controls that form tangible barriers to secure portable gauges from unauthorized removal whenever the portable gauge is not under the control and constant surveillance of the licensee are required.
18. Any cleaning, maintenance, or repair of the gauge(s) that requires removal of the source rod shall be performed only by the manufacturer or by other persons specifically licensed by the Commission or an Agreement State to perform such services.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
13-16961-02Docket or Reference Number  
030-18173

Amendment No. 9

19. The licensee will possess and use or have access to and use a radiation survey meter that meets the criteria in the section entitled Radiation Safety Program - Instruments in NUREG-1556, Vol. 1, Rev. 1, dated November 2001.
20. 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 February 18, 2004, and
- B. Facsimile letters dated May 2, 2006, July 7, 2006, and July 11, 2006.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date JUL 17 2006By William P. Reichhold  
William P. Reichhold  
Materials Licensing Branch  
Region III