

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.

Licensee	In accordance with the letter dated October 17, 2008,
1. Q/C Resource Technical Services	3. License number 06-30610-01 is amended in its entirety to read as follows:
2. 3 Simm Lane Newtown, Connecticut 06470	4. Expiration date February 28, 2011
	5. Docket No. 030-35611 Reference No.

- | | | |
|--|--|---|
| <p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Cesium 137</p>
<p>B. Americium 241</p>
<p>C. Cesium 137</p> <p>D. Americium 241</p> | <p>7. Chemical and/or physical form</p> <p>A. Sealed Sources (AEA Technology Model CDCW556; Isotope Products Laboratories Models HEG-137-8M, HEG-137; CPN International Model CPN-131; and Humboldt Scientific, Inc., Dwg. No. 2200064)</p> <p>B. Sealed Sources (AEA Technology Model AMNV.997; Isotope Products Laboratories Models Am1.NO2, 3021, 3027; CPN International Model CPN-131; and Humboldt Scientific, Inc., Dwg. No. 2200067)</p> <p>C. Analytical samples</p> <p>D. Analytical samples</p> | <p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. No single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State and 500 millicuries total.</p> <p>B. No single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State and 2,000 millicuries total.</p> <p>C. 1 millicurie</p> <p>D. 1 microcurie</p> |
|--|--|---|

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
06-30610-01

Docket or Reference Number
030-35611

Amendment No. 3

9. Authorized use:

- A. In Troxler Electronics Model 3400 Series and 3411 Series gauging devices, incident to performing the weld inspection of the source rod, as a commercial service for other persons as defined in 10 CFR 20.1003.
- A. and B. For possession in Troxler Electronics Model 3400 Series, 3411 Series, and 4600 Series gauging devices, Humboldt Scientific model 5000 Series gauging devices, and CPN International Models MC Series gauging devices, incident to performing routine and non-routine maintenance, service and repair as a commercial service for other persons as defined in 10 CFR 20.1003; distribution of these gauging devices to persons authorized to receive the licensed material contained in these devices pursuant to terms and conditions of specific licenses issued by the U.S. Nuclear Regulatory Commission or any Agreement State.
- C. and D. Taking of leak test samples as a service for other persons as defined in 10 CFR 20.1003.

CONDITIONS

10. Licensed material may be used or stored only at the licensee's facilities located at 3 Simm Lane, Newtown, Connecticut.
11. 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 letters dated December 8, 2000; January 19, 2001; and January 31, 2001.
12. The Radiation Safety Officer for this license is Philip C. Palilla.
13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
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.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
06-30610-01

Docket or Reference Number
030-35611

Amendment No. 3

- C. 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.
- 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 shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 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.
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 or storage, or when not under the direct surveillance of an authorized user.
18. The licensee may detach the source or source rod from gauges for the purpose of cleaning, maintenance, or repair of the gauges in accordance with procedures outlined in the letters dated December 8, 2000; January 19, 2001; and January 31, 2001.
19. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
06-30610-01Docket or Reference Number
030-35611

Amendment No. 3

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. Letter dated December 8, 2000 (ML003776615)
 - B. Letter dated January 19, 2001 (ML010260028)
 - C. Letter dated January 31, 2001 (ML010400450)
 - D. Letter dated October 17, 2008 (ML083040432)
 - E. Facsimile dated January 4, 2009

For the U.S. Nuclear Regulatory Commission

Date January 8, 2009

By

Original signed by Kathy Dolce ModesKathy Dolce Modes
Materials Security and Industrial Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406