



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TEXAS 76011-4005

June 2, 2006

U.S. Environmental Protection Agency
National Enforcement Investigations Center
ATTN: Albert I. Ossinger
Radiation Safety Officer
P.O. Box 25227, Building 25
Denver Federal Center
Denver, Colorado 80225-0227

SUBJECT: CORRECTED COPY OF NRC LICENSE NO. 05-14892-01

Enclosed is a corrected copy to License No. 05-14892-01, Amendment No. 21, dated May 22, 2006. This corrected copy authorizes an increase in the possession limit for Item 8.C., to accommodate at least three multi-elemental environmental analyzers. If you determine that you need an additional amount in the possession limit on your license, please request a license amendment for an increase authorization. You should review this document for correctness and completeness.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Thank you for your cooperation.

Sincerely,

/RA/

Rachel S. Browder, Health Physicist
Nuclear Materials Licensing Branch

Docket: 030-08219
License: 05-14892-01
Control: 470094

Enclosure: As stated

MATERIALS LICENSE

CORRECTED COPY

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.

<p style="text-align: center;">Licensee</p> <p>1. U.S. Environmental Protection Agency National Enforcement Investigations Center</p> <p>2. P.O. Box 25227, Building 25 Denver Federal Center Denver, Colorado 80225-0227</p>	<p>In accordance with letter dated August 9, 2004</p> <p>3. License number 05-14892-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date August 31, 2014</p> <hr/> <p>5. Docket No. 030-08219 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct, source, or special nuclear material with Atomic Nos. 1-96, inclusive</p> <p>B. Nickel-63</p> <p>C. Americium-241</p> <p>D. Cadmium-109</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Foils or plated sources registered either with NRC under 10 CFR 32.210 or with an Agreement State and incorporated in a compatible gas chromatograph as specified in Item 9 of this license</p> <p>C. Sealed sources registered either with NRC under 10 CFR 32.210 or with an Agreement State and incorporated in a compatible X-ray fluorescence analyzer as specified in Item 9 of this license</p> <p>D. Sealed sources registered either with NRC under 10 CFR 32.210 or with an Agreement State and incorporated in a compatible X-ray fluorescence analyzer as specified in Item 9 of this license</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. Not to exceed 10 millicuries per radionuclide and 200 millicuries total</p> <p>B. As needed</p> <p>C. Not to exceed 50 millicuries total</p> <p>D. As needed</p>
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9. Authorized use:

- A. For instrument calibration and sample analysis.
- B. To be used for sample analysis in compatible gas chromatography devices that have been registered either with NRC under 10 CFR 32.210 or with an Agreement State and have been distributed in accordance with an NRC or Agreement State specific license authorizing distribution to persons specifically authorized by an NRC or Agreement State license to receive, possess, and use the devices.
- C. and D. To be used for sample analysis in compatible X-ray fluorescence analyzers that have been registered either with NRC under 10 CFR 32.210 or with an Agreement State and have been distributed in accordance with an NRC or Agreement State specific license authorizing distribution to persons specifically authorized by an NRC or Agreement State license to receive, possess, and use the devices.

CONDITIONS

10. A. Licensed material identified in Item 6.A. through 6.D. may be used only at Buildings 25, Denver Federal Center, Denver, Colorado.
- B. Licensed material identified in Item 6.B. through 6.D. may be used at temporary job sites of the licensee anywhere in the United States.
11. A. Licensed material identified in 6.A through 6.D. shall be used by, or under the supervision of, Richard C. Ross or Albert I. Ossinger.
- B. Licensed material identified in 6.B. through 6.D. shall be used by, or under the supervision of Albert I. Ossinger, Richard C. Ross, Steven Machemer, Carrie Middleton, or Donald Smith.
- C. The Radiation Safety Officer for this license is Albert I. Ossinger.
12. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or by 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 U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or by an Agreement State prior to the transfer, a sealed source or detector cell 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.

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- 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. 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, 611 Ryan Plaza Drive, Suite 400, Arlington, Texas 76011, ATTN: Director, Division of Nuclear Materials Safety. The report shall specify the source involved, the test results, and corrective action taken.
- E. Tests for leakage and/or contamination shall be performed by persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services. In addition, the licensee is authorized to collect leak test samples but not perform the analysis; analysis of leak test samples must be performed by persons specifically licensed by the 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 3 years.
13. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
14. The licensee shall not use licensed material in or on human beings except as provided otherwise by specific condition of this license.
15. The licensee shall not use licensed material in field applications where activity is released except as provided otherwise by specific condition of this license.
16. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license.
17. Maintenance, repair, cleaning, replacement, and disposal of foils contained in detector cells shall be performed only by the device manufacturer or other persons specifically authorized by the Commission or an Agreement State to perform such services.
18. A. Detector cells containing a titanium tritide foil or a scandium tritide foil shall only be used in conjunction with a properly operating temperature control mechanism which prevents the foil temperature from exceeding that specified by the manufacturer and approved by U.S. Nuclear Regulatory Commission.
- B. When in use, detector cells containing a titanium tritide foil or a scandium tritide foil shall be vented to the outside.
19. The licensee shall not acquire licensed material in a sealed source or device that contains a sealed source unless the source or device has been registered with the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or with an Agreement State.

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20. 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.
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. 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 04, 2004
 - B. Facsimile received August 04, 2004
 - C. Letter dated August 9, 2004



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

*/RA/*Date: June 2, 2006

By: _____

Rachel S. Browder, Health Physicist
Nuclear Materials Licensing Branch
Region IV
Arlington, Texas 76011