



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

July 13, 2006

Docket No. 03030941
Control No. 138705

License No. 37-28329-01

Glenn R. Marshall
Radiation Safety Officer
Philotechnics, Ltd
200 State Street
Clairton, PA 15025

SUBJECT: PHILOTECHNICS, LTD, LICENSE AMENDMENT, CONTROL NO. 138705

Dear Mr. Marshall:

This refers to your license amendment request. Enclosed with this letter is the amended license.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5239, so that we can provide appropriate corrections and answers.

An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14). The activities authorized by this license do not include acceptance of radioactive waste for disposal. Equipment which cannot be released for unrestricted use in accordance with your procedures must be returned to the customer.

Current NRC regulations and guidance are included on the NRC's website at www.nrc.gov; select **Nuclear Materials; Medical, Academic, and Industrial Uses of Nuclear Material**; then **Toolkit Index Page**. Or you may obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 8:00 p.m. EST, Monday through Friday (except Federal holidays).

Thank you for your cooperation.

Sincerely,

Original signed by Craig Z. Gordon

Craig Z. Gordon
Senior Health Physicist
Materials Security and Industrial Branch
Division of Nuclear Materials Safety

Enclosure:
Amendment No. 10

DOCUMENT NAME: G:\Docs\Mailed\Lic Cvr Letter\137-28329-01.138705.07142006.wpd

SUNSI Review Complete: CGordon

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DATE	7/13/2006		7/13/2006					

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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.

<p style="text-align: center;">Licensee</p> <p>1. Philotechnics, Ltd. d.b.a. Afftrex, Ltd.</p> <p>2. 600 State Street Clairton, Pennsylvania 15025</p>	<p>In accordance with the letter dated April 7, 2006,</p> <p>3. License number 37-28329-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date January 31, 2015</p> <hr/> <p>5. Docket No. 030-30941 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Any byproduct material with Atomic Nos. 1-96</p> <p>B. Cesium 137</p> <p>C. Any source material</p> <p>D. Any special nuclear material</p> <p>E. Any byproduct material with Atomic Nos. 1-103</p>	<p>7. Chemical and/or physical form</p> <p>A. Contaminated material and associated decontamination waste</p> <p>B. Contaminated material and associated decontamination waste</p> <p>C. Contaminated material and associated decontamination waste</p> <p>D. Contaminated material and associated decontamination waste</p> <p>E. Any</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 100 millicuries per radionuclide and 500 millicuries total</p> <p>B. 500 millicuries</p> <p>C. 10 millicuries</p> <p>D. 10 grams</p> <p>E. 1 millicurie</p>
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9. Authorized use:

- A. through D. For the collection, laundering and decontamination of contaminated clothing and other launderable non-apparel items; for the collection and decontamination of respirators and other such non-launderable non-apparel items that are used in conjunction with a protective clothing program; and for the possession, survey, and segregation of contaminated equipment.
- E. Calibration of the licensee's instruments.

CONDITIONS

10. Licensed material may be used or stored only at the licensee's facilities located at 600 State Street, Clairton, Pennsylvania.
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 application dated June 17, 2004.
12. The Radiation Safety Officer for this license is Glenn R. Marshall.
13. This license does not authorize the packaging nor possession of radioactive waste except that generated as a result of the laundering and segregation activities performed in the licensee's facility located at 600 State Street, Clairton, Pennsylvania.
14. This license does not authorize the laundering of contaminated items at temporary job sites of the licensee nor at customer facilities except as specifically authorized pursuant to the terms and conditions of specific licenses issued to customers of the licensee by the U.S. Nuclear Regulatory Commission or an Agreement State.
15. 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.
16. 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.

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- 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 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.
- 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 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.
- G. Tests for leakage and/or contamination, including leak test sample collection and analysis, 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.
- H. Records of leak test results shall be kept in units of microcuries and shall be maintained for 5 years.
17. 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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18. 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 June 17, 2004 (ML041900117)
- B. Letter dated September 20, 2004 (ML042740271)
- C. Letter dated December 20, 2004 (ML050050055)
- D. Letter dated April 7, 2006 (ML061090234)



For the U.S. Nuclear Regulatory Commission

Date July 13, 2006By ***Original signed by Craig Z. Gordon***

Craig Z. Gordon
Materials Security and Industrial Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406