



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

February 17, 2005

Docket No. 03030941  
Control No. 136415

License No. 37-28329-01

Andrew J. Armbrust  
Senior Vice President  
Philotechnics, Ltd.  
D.b.a. Afftrex, Ltd.  
600 State Street  
Suite 201  
Clairton, PA 15025-1800

SUBJECT: PHILOTECHNICS, LTD., ISSUANCE OF LICENSE AMENDMENT, CONTROL  
NO. 136415

Dear Mr. Armbrust:

This refers to your license amendment request. In your letter dated January 25, 2005, you requested to change your Radiation Safety Officer (RSO). Enclosed with this letter is the amended license. The change has been made to Amendment No. 9. We understand that your RSO has an office in Tennessee, but also frequents the Pennsylvania office. If you would like to change the mailing address to this license from Pennsylvania to Tennessee, please submit a separate request. License numbers are generated with state codes and if you request a change of mailing, we will have to terminate this license and issue a new license with a new license number. It is important that you receive our mailings and that correspondence is properly and promptly received.

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).*

Please note that on October 25, 2004, the NRC suspended public access to ADAMS, and initiated an additional security review of publicly available documents to ensure that potentially sensitive information is removed from the ADAMS database accessible through the NRC's web site. Interested members of the public may obtain copies of the referenced documents for review and/or copying by contacting the NRC Public Document Room pending resumption of public access to ADAMS. The NRC Public Document Room is located at NRC Headquarters in Rockville, MD, and can be contacted at 800-397-4209 or 301-415-4737 or [pdr@nrc.gov](mailto:pdr@nrc.gov).

A. Armbrust  
Philotechnics, Ltd.

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Thank you for your cooperation.

Sincerely,

***Original signed by Kathy Dolce Modes***

Kathy Dolce Modes  
Health Physicist  
Security and Industrial Branch  
Division of Nuclear Materials Safety

Enclosures:

1. Amendment No. 9
2. NUREG-1556, Volume 18
3. NRC Form 313

cc w/encl:  
Glenn R. Marshall, Radiation Safety Officer

A. Armbrust  
Philotechnics, Ltd.

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DATE	2/17/2005							

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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. <b>Philotechnics, Ltd.</b> <b>d.b.a. Afftrex, Ltd.</b></p> <p>2. <b>600 State Street</b> <b>Clairton, Pennsylvania 15025-1800</b></p>	<p>In accordance with the letter dated <b>January 25, 2005,</b></p> <p>3. License number <b>37-28329-01</b> is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date <b>January 31, 2015</b></p> <hr/> <p>5. Docket No. <b>030-30941</b> Reference No.</p>	
<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>

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
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030-30941

Amendment No. 9

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 of contaminated equipment in the licensee's portable laundry unit.
- 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 activities performed in the licensee's permanent laundry 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)



For the U.S. Nuclear Regulatory Commission

Date February 17, 2005  
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By

*Original signed by Kathy Dolce Modes*

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