



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

March 30, 2005

Docket No. 03034029  
Control No. 136384

License No. 37-28329-02

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

SUBJECT: PHILOTECHNICS, LTD., ISSUANCE OF LICENSE AMENDMENT, CONTROL  
NO. 136384

Dear Mr. Armbrust:

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).*

Current NRC regulations and guidance are available at the NRC Web sites listed below or by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 9:00 p.m. EST, Monday through Friday (except Federal holidays).

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

Enclosure:  
Amendment No. 9

NRC Web site addresses

NRC regulations

<http://www.nrc.gov/reading-rm/doc-collections/cfr/>

Licensing guidance

<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/>

General Policy and Procedure for NRC Enforcement Actions

<http://www.nrc.gov/what-we-do/regulatory/enforcement/enforc-pol.pdf>

206 of the Energy Reorganization Act of 1974

<http://www.nrc.gov/who-we-are/governing-laws.html>

cc:

Glenn R. Marshall, Radiation Safety Officer

A. Armbrust  
Philotechnics, Ltd.

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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, Suite 201 Clairton, PA 15025</p>	<p>In accordance with the letter dated January 25, 2005,</p> <p>3. License number 37-28329-02 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date October 31, 2011</p> <hr/> <p>5. Docket No. 030-34029 Reference No.</p>	
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Hydrogen 3</p> <p>B. Iron 55</p> <p>C. Cobalt 60</p> <p>D. Krypton 85</p>	<p>7. Chemical and/or physical form</p> <p>A. Sealed sources registered either with the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or with an Agreement State</p> <p>B. Sealed sources registered either with the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or with an Agreement State</p> <p>C. Sealed sources registered either with the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or with an Agreement State</p> <p>D. Sealed sources registered either with the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or with an Agreement State</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</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</p> <p>C. 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</p> <p>D. 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</p>

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
37-28329-02Docket or Reference Number  
030-34029

Amendment No. 9

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|---|--|--|
| 6. Byproduct, source, and/or special nuclear material | 7. Chemical and/or physical form   | 8. Maximum amount that licensee may possess at any one time under this license   |
| E. Strontium 90                                       | E. Sealed sources registered either with the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or with an Agreement State | E. 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 |
| F. Cesium 137   | F. Sealed Sources (Kay-Ray/Sensall Source Series Model 7700-100)   | F. 100 millicuries   |
| G. Cesium 137   | G. Sealed sources registered either with the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or with an Agreement State | G. 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 |
| H. Promethium 147                                     | H. Sealed sources registered either with the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or with an Agreement State | H. 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 |
| I. Americium 241                                      | I. Sealed sources registered either with the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or with an Agreement State | I. 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 |
| J. Curium 244   | J. Sealed sources registered either with the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or with an Agreement State | J. 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 |

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| 6. Byproduct, source, and/or special nuclear material       | 7. Chemical and/or physical form       | 8. Maximum amount that licensee may possess at any one time under this license |
| K. Any byproduct material with atomic numbers 1 through 102 | K. Leak test and environmental samples | K. See Condition 12  |

## 9. Authorized use:

- A. through J. For possession incident to service for other persons as defined in 10 CFR 20.1003 for:
- (1) Installation, initial radiation surveys, relocation, removal from service, dismantling, alignment, replacement, packaging of the sealed source, and repair of components related to the radiological safety of devices listed in Attachment 2 of the letter dated October 30, 2001 and letter dated March 17, 2005, that have been registered either with the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or with an Agreement State.
  - (2) Leak test sample collection.
  - (3) Instruction of customers.
  - (4) Preparation and packaging for the purpose of transportation, disposal, or relocation of devices containing the sealed sources, that have been registered either with the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or with an Agreement State.
- K. Analysis of leak test and environmental samples as a service for other persons as defined in 10 CFR 20.1003.

**CONDITIONS**

10. A. Licensed material listed in Items 6.A. through 6.J. 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.
- B. Licensed material listed in Item 6.K. may be used at the licensee's facility located at 600 State Street, Clairton, Pennsylvania.
11. A. Licensed material shall be used by, or under the supervision and in the physical presence of, Glenn R. Marshall, James Ferree, Paul T. Hrezo or James D. Alderson.
- B. The Radiation Safety Officer for this license is Glenn R. Marshall.

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12. 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), 40.36(b), and 70.25(d) for establishing financial assurance for decommissioning.
13. Sealed sources containing licensed material shall not be opened by the licensee.
14. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
15. 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 August 15, 2001 (ADAMS Accession No.: ML012390355)
  - B. Letter dated October 4, 2001 (ADAMS Accession No.: ML012830326)
  - C. Letter dated October 22, 2001 (ADAMS Accession No.: ML013090045)
  - D. Letter dated October 30, 2001 (ADAMS Accession No.: ML013090065)
  - E. Letter dated May 28, 2003 (ADAMS Accession No.: ML031490391)
  - F. Letter dated March 17, 2005

For the U.S. Nuclear Regulatory Commission

Date March 30, 2005By **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