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SECRETARY
JOHN AUERBACH
COMMISSIONER

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
Bureau of Environmental Health
Radiation Control Program
Schrafft Center - Suite 1M2A
529 Main Street, Boston, Massachusetts 02129
(617) 242-3035 (617) 242-3457 - Fax

October 6, 2008

Gary S. Nadeau, CNMT
Director of Health Physics Operations
Radiation Safety Officer
Philotechnics, Ltd.
25 Mall Road
Burlington, Massachusetts 01803

RE: Amendment Number: 03
License Number: 56-0543
Docket Number: 09-8019

Dear Mr. Nadeau:

Enclosed is the above referenced license amended as requested in your letter dated September 17, 2008.

Please review the enclosed document carefully. If there are any errors or questions please do not hesitate to contact this office at the number above.

Sincerely,

A handwritten signature in cursive script that reads "Robert Walker".

Robert Walker, Director
Radiation Control Program

RW/sf

Enclosure:(1)



THE COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF PUBLIC HEALTH
 RADIATION CONTROL PROGRAM
 MATERIALS LICENSE

Pursuant to Massachusetts General Laws Chapter 111, Sections 3, 5M, 5N, 5O and 5P and Massachusetts Regulations for the Control of Radiation, Section 120.100, Licensing of Radioactive Material, and in reliance on statements and representation heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer radioactive materials 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 105 CMR 120.000. This license shall be deemed to contain the conditions specified in 105 CMR 120.000 and is subjected to all applicable rules, regulations of the Department of Public Health, Commonwealth of Massachusetts, now or hereafter in effect and to any conditions specified below.

Licensee 1. Philotechnics, Ltd. 2. 25 Mall Road Burlington, Massachusetts 01803	3. License Number: 56-0543 is amended in its entirety, in accordance with the letter dated September 17, 2008, to read as follows: Amendment No: 03 4. Expiration Date: October 31, 2011 5. Docket No: 02-6213
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6. Radioactive Material	7. Chemical / Physical Form	8. Maximum Possession Limit
A. Hydrogen-3	A. Any Form suitable for transportation under U.S. DOT Regulations	A. As necessary for the uses authorized in Condition 9
B. Any radioactive material with atomic numbers 3-91 inclusive; except Co-60, Cs-137, Gd-153, Ir-192, Pm-147, Se-75, Sr-90 (Y-90), Tm-170, and Yb-169	B. Same as 7.A.	B. Same as 8.A.
C. Source Material	C. Same as 7.A.	C. Same as 8.A.

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D. Naturally occurring and accelerator produced radioactive material	D. Same as 7.A.	D. Same as 8.A.
E. Transuranics excluding Plutonium, Am-241, Cm-244, and Cf-252	E. Same as 7.A.	E. Same as 8.A.
F. U-233	F. Same as 7.A.	F. 200 grams *
G. Uranium enriched in the U-235 isotope	G. Same as 7.A.	G. 350 grams of contained U-235 *
H. Plutonium-except for Pu-238 and Pu-239/Be	H. Same as 7.A.	H. 200 grams *
I. Am-241	I. Same as 7.A.	I. 16 Curies +
J. Am-241/Be	J. Same as 7.A.	J. 16 Curies +
K. Cf-252	K. Same as 7.A.	K. 5.4 Curies +
L. Cm-244	L. Same as 7.A.	L. 14 Curies +
M. Co-60	M. Same as 7.A.	M. 8.1 Curies +
N. Cs-137	N. Same as 7.A.	N. 27 Curies +
O. Gd-153	O. Same as 7.A.	O. 270 Curies +
P. Ir-192	P. Same as 7.A.	P. 22 Curies +
Q. Pm-147	Q. Same as 7.A.	Q. 11,000 Curies +
R. Pu-238	R. Same as 7.A.	R. 16 Curies + *

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S. Pu-239/Be	S. Same as 7.A.	S. 16 Curies + *
T. Se-75	U. Same as 7.A.	T. 54 Curies +
U. Sr-90 (Y-90)	V. Same as 7.A.	U. 270 Curies +
V. Tm-170	V. Same as 7.A.	V. 5,400 Curies +
W. Yb-169	W. Same as 7.A.	B. 81 Curies +

+ The aggregate activity for Items I-W shall be such that the sum of the ratios of the activity of each radionuclide compared to its possession limit shall be less than one.

* For each kind of special nuclear material determine the ratio between the quantity of that special nuclear material and the quantity specified herein for the same type of special nuclear material. The sum of the ratios for all types of special nuclear material in combination shall not exceed "1" (i.e. unity). The total possession for plutonium authorized under this license shall not exceed 200 grams.

9. Authorized use:

A. through W.

1. Collection, handling, and packaging of radioactive waste materials at customer facilities.
2. Preparation for transportation and transfer of radioactive waste materials from customer facilities to facilities licensed by the Massachusetts Radiation Control Program, U.S. Nuclear Regulatory Commission, or another Agreement State to receive these materials. (All radioactive materials offered for transport shall meet the U.S. Department of Transportation regulations for interstate commerce. This license does not exercise jurisdiction over these radioactive materials while in transport.)

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3. The collection and transfer of samples for analysis to facilities licensed by the U.S. Nuclear Regulatory Commission, or another Agreement State to perform this activity.
4. Possession, processing, decontamination, storage, packaging, shipping, transfer, characterization and radiological surveys as part of assessment, decontamination, decommissioning and/or remediation operations.

CONDITIONS

10. Radioactive materials shall be used only at temporary job sites of the licensee in the Commonwealth of Massachusetts except areas under exclusive Federal jurisdiction. This conditions does not prohibit use in a areas under the jurisdiction of the U.S. Nuclear Regulatory Commission, Agreement States, or Licensing States under reciprocity procedures which may be established by the NRC or those states.
11. A. The licensee shall notify the Agency by telephone, telegram, letter or facsimile prior to engaging in licensed activities at the licensee's customers' facilities in the Commonwealth of Massachusetts. Such notifications shall include the location, period of time, an estimate of the type and quantity of radioactive material. If the initial notification was by telephone, the licensee shall submit to the Agency within ten days following such telephone notification a telegram, letter, or facsimile which contains the information required herein.

B. The licensee shall submit to the regulatory agency maintaining jurisdiction a Decontamination and Decommissioning (D&D) Plan for each project performed under this license that involves decontamination, decommissioning, and/or remediation operations as authorized in Condition 9. This D&D Plan shall be submitted prior to the project being performed. It shall specify the expected nuclides, activities, and physical forms of radioactive materials to be encountered. The name of the Project RSO, a site assessment, decontamination methods, radiation detection instrumentation to be employed, a description of survey methodology, and site release criteria shall be provided. Other information required to be submitted is at the discretion of the regulatory agency maintaining jurisdiction.

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12. This license is subject to an annual fee as determined by the Executive Office for Administration and Finance.

13. A. Radioactive material shall only be used by, or under the supervision of, James D. Alderson, Frank A. Brown, John Caudle, Tracie M. Clemons, Jon T. Dillon, Ryan Fahey, Marshall James Ferree, Evan Harpenau, Donald E. Hartje, Darrell K. Jerrell, David Lewis, Glenn R. Marshall, Robert L. McIntosh, Gary S. Nadeau, Sr., Matthew D. Norton, Timothy J. Pratt, Robert Trimble, and Cheryl A. Walker.

- B. The Radiation Safety Officer for this license is Gary S. Nadeau, Sr.

14. The licensee shall maintain complete and accurate records of receipt and disposal of radioactive material. The licensee shall, for radioactive material no longer useful for any purpose and for any equipment or supplies contaminated with such material for which use and decontamination is not planned, define those materials as radioactive waste and treat them as such in accordance with the following provisions:
 - A. Radioactive waste material shall not be stored with non-radioactive waste.

 - B. A written record of all radioactive waste material shall be maintained until it has been determined by a suitable survey or radioassay that it has decayed to background levels or until it has been shipped to an authorized recipient in accordance with all applicable regulations. Accountability of radioactive waste material prepared for shipment but not yet shipped from the licensee's premises shall be maintained by the licensee by an internal record system such that the licensee is constantly aware of the material's location and proposed time of shipment. Individuals who are involved in the shipping of such material and/or the storage of such material prior to shipment, shall be trained in the precautions necessary for such handling and storage.

 - C. For material which has decayed to background level as measured with appropriate calibrated instruments, records shall indicate that the material was determined to be no longer radioactive and will indicate the methods and results of the survey or analysis.

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- D. Shipment records of radioactive waste materials shall be maintained and the licensee shall require written confirmation from authorized recipients of such material that this material has been received.
- E. All records and written confirmations required by this condition shall be maintained for inspection by the Radiation Control Program.

The requirements for this condition are in addition to any other requirements for handling and/or disposal of radioactive material contained in this license and the Massachusetts Regulations for Control of Radiation.

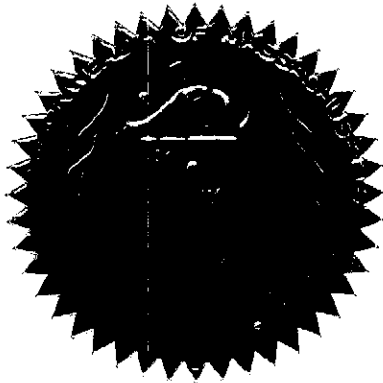
- 15. Except for plutonium contained in a medical device designed for individual human application, no plutonium, regardless of form, shall be delivered to a carrier for shipment by air transport or transported in an aircraft by the licensee, except in packages of specifically approved for transport in an aircraft by the licensee, except in packages the design of which the NRC has specifically approved for transport of plutonium by air.
- 16. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of radioactive material so that at no time is a quantity of radioactive material possessed in excess of a quantity which requires decommissioning funding in accordance with 105 CMR 120.125 (C) (1) (d) for establishing financial assurance for decommissioning.
- 17. The licensee shall only transport radioactive material or deliver radioactive material to a carrier for transport in accordance with the provisions of 49 CFR Parts 170 through 189, 10 CFR Part 71, and 105 CMR 120.770, 'Transportation of Radioactive material'.
- 18. No provision of this license relieves the licensee from compliance with other Federal, State, and local laws, ordinances, and regulations applicable to the licensee's activities.
- 19. Except as specifically provided otherwise by this license, the licensee shall conduct its program in accordance with statements, representations and procedures contained in the documents, including any enclosures listed below. The Massachusetts Regulations for the Control of Radiation, 105 CMR 120.000, shall govern, unless statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.

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- A. Application dated February 14, 2006
- B. Letter dated May 31, 2006
- C. Letter dated July 5, 2006
- D. Letter dated October 10, 2006
- E. Letter dated August 22, 2007
- F. Letter dated March 12, 2008
- G. Letter dated September 17, 2008

FOR THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC HEALTH
RADIATION CONTROL PROGRAM

Date 10/06/08



By Robert Walker
Robert Walker, Director