



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

Pursuant to Massachusetts General Laws Chapter 111, Sections 5, 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 |   | 3. | License Number: 13-2700 is renewed in its entirety, in accordance with the letter dated September 24, 2010, to read as follows: |  |
| 1.       | Herley New England<br>Division of Herley Industries, Inc. |    | Amendment No: <u>24</u>   |  |
| 2.       | 10 Sonar Drive<br>Woburn, Massachusetts 01801             | 4. | Expiration Date: January 31, 2016   |  |
|          |   | 5. | Docket No: 99-0232  |  |

|    |                      |    |                                      |    |                          |
|----|----------------------|----|--------------------------------------|----|--------------------------|
| 6. | Radioactive Material | 7. | Chemical/Physical Form               | 8. | Maximum Possession Limit |
| A. | Hydrogen-3           | A. | Any                                  | A. | 100 curies               |
| B. | Hydrogen-3           | B. | Titanium Tritide<br>plated on copper | B. | 300 curies               |
| C. | Cobalt-60            | C. | Any                                  | C. | 800 microcuries          |
| D. | Promethium-147       | D. | Any                                  | D. | 15 millicuries           |

9. Authorized use:

- A. through D. Manufacturing of electron tubes and for distribution or transfer to persons authorized to receive the licensed material pursuant to the terms and conditions of a specific license issued by the Nuclear Regulatory Commission or an Agreement State.

COMMONWEALTH OF MASSACHUSETTS  
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LICENSE NUMBER: 13-2700

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

DOCKET NUMBER: 99-0232

AMENDMENT NUMBER: 24

### CONDITIONS

10. Radioactive material shall be only used or stored at the licensee's facilities located at 10 Sonar Drive, Woburn, Massachusetts.
11. This license is subject to an annual fee as determined by the Executive Office for Administration and Finance.
12. A. Licensed material shall be used by, or under the supervision of, Peter E. McGondel and James Sadin.  
  
B. The Radiation Safety Officer for this license is Peter E. McGondel.
13. This license does not authorize commercial distribution of licensed material to persons generally licensed pursuant to 105 CMR 120.100 or to persons exempt from licensing pursuant to 105 CMR 120.120.104(B).
14. 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."
15. 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.  
  
A. Application dated September 27, 2010

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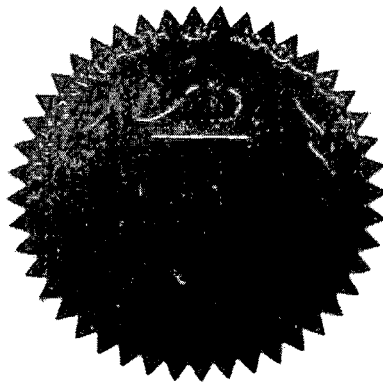
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FOR THE COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF PUBLIC HEALTH  
RADIATION CONTROL PROGRAM

Date 2/17/2011

By Robert L. Gallagher  
Robert L. Gallagher, Deputy Director





DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
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

February 16, 2011

PETER MCGONDEL  
HERLEY NEW ENGLAND  
DIVISION OF HERLEY INDUSTRIES, INC  
10 SONAR DRIVE  
WOBURN, MA 01801

**RE: Amendment Number: 24**  
**License Number: 13-2700**  
**Docket Number: 10-9294**

Dear Mr. McGondel:

Enclosed is the above referenced license renewed as requested in your letter dated September 24, 2010 and the form 120.750-1, "Notice to Employees," for posting.

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, appearing to read "Robert L. Gallagher".

Robert L. Gallagher, Deputy Director  
Radiation Control Program

RLG/sf

Enclosure:(2)



**MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH  
RADIATION CONTROL PROGRAM**

**NOTICE TO EMPLOYEES  
STANDARDS FOR PROTECTION AGAINST RADIATION;  
NOTICES, INSTRUCTIONS AND REPORTS TO WORKERS; INSPECTIONS**

The Radiation Control Program (Agency) of Massachusetts Department of Public Health has adopted regulations in 105 CMR 120.200 which establish standards for your protection against radiation hazards. In 105 CMR 120.750, the Agency has also established certain provisions for the options of workers engaged in work under the Department license or registration.

**YOUR EMPLOYER'S RESPONSIBILITY**

Your employer is required to—

1. Apply these regulations to work involving sources of radiation.
2. Post or otherwise make available to you a copy of the Massachusetts Department of Public Health regulations for control of radiation, and the operating procedures which apply to work you are engaged in, and explain their provisions to you.
3. Post Notice of Violation involving radiological working conditions, proposed imposition of civil penalties and orders.

**YOUR RESPONSIBILITY AS A WORKER**

You should familiarize yourself with those provisions of the department regulations, and the operating procedures which apply to the work you are engaged in. You should observe their provisions for your own protection and protection of your co-workers.

**WHAT IS COVERED BY THESE REGULATIONS**

1. Limits on occupational exposure to radiation and radioactive material;
2. measures to be taken after accidental exposure;
3. personnel monitoring, surveys, and equipment;
4. caution signs, labels, and safety interlock equipment;
5. exposure records and reports;
6. options for workers regarding Agency inspections; and
7. related matters.

**REPORTS ON YOUR RADIATION EXPOSURE HISTORY**

1. The Department of Public Health regulations require that your employer give you a written report if you receive an exposure in excess of any applicable limit as set forth in the regulations or in the license. The basic limits for exposure to employees are set forth in 105 CMR 120.211 through 120.218 of the regulations. These sections specify limits on exposure to radiation and exposure to concentrations of radioactive material in air.
2. If you work where personnel monitoring is required:
  - (a) your employer must advise you of your occupational radiation dose each year, and
  - (b) upon termination of employment, your employer must give you a written report of your dose if you request it.

**INSPECTIONS**

All licensed or registered activities are subject to inspection by representatives of the Department of Public Health, Radiation Control Program. In addition, any worker or representative of workers who believes that there is a violation of the M.G.L.c.111, the regulations issued thereunder, or the terms of the employer's license or registration with regard to radiological working conditions in which the worker is engaged, may request an inspection by sending a notice of the alleged violation to the Department of Public Health, Radiation Control Program. The request must set forth the specific grounds for the notice, and must be signed by the worker as the representative of the workers. During inspections, Department inspectors may confer privately with workers, and any worker may bring to the attention of the

inspectors any past or present condition which he believes contributed to or caused any violation as described above.

**INQUIRIES**

Direct all inquiries on the matters outlined herein to:

Massachusetts Department of Public Health  
Radiation Control Program  
Schrafft Center, Suite 1M2A  
529 Main Street  
Charlestown, MA 02129  
Telephone: (617) 242-3035  
Fax: (617) 242-3457  
Emergency Phone: (617) 242-3453

**POSTING REQUIREMENT**

COPIES OF THIS NOTICE MUST BE POSTED IN A SUFFICIENT NUMBER OF PLACES IN EVERY ESTABLISHMENT WHERE EMPLOYEES ARE EMPLOYED IN ACTIVITIES LICENSED OR REGISTERED, PURSUANT TO 105 CMR 120.750, BY THE DEPARTMENT OF PUBLIC HEALTH, RADIATION CONTROL PROGRAM, TO PERMIT EMPLOYEES WORKING IN OR FREQUENTING ANY PORTION OF A RESTRICTED AREA TO OBSERVE A COPY ON THE WAY TO OR FROM THEIR PLACE OF EMPLOYMENT.