



December 3, 2015

Mr. Richard Struckmeyer
c/o Chief, Materials Safety and Licensing Branch
Mall Stop T-8-E-18
Division of Material Safety, State, Tribal and Rulemaking Programs
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555
E-Mail: HIpollto.Gonzalez@nrc.gov
Richard.Struckmeyer@nrc.gov

Dear Sir:

Following is an amendment to OSRAM Sylvania, E-Distribution License Number **20-30024-02E**, with an expiration date of **30 September, 2021**.

The following items have changed:

Location of Headquarters: Please delete the Danvers, MA address and replace it with the following

OSRAM Sylvania
200 Ballardvale St.
Wilmington, MA 01887

Please note that this address is not licensed for radioactive materials under the E-Distribution license; it is the site for the holder of the E-Distribution license (Corporate Headquarters), from whence all the individual use licenses are reviewed.

For the sites below, ^{147}Pm has been removed from the licenses. Therefore, please remove ^{147}Pm from our E-Distribution license. (The need for this amendment was mentioned on our annual report to NRC last year in that we reported no ^{147}Pm had been sold through any of the warehouses during the year being reported). After receiving verification from the warehouses that they were not going to be receiving ^{147}Pm in the future, amendments were prepared to remove this material from each of the individual site licenses.

Specific License for Ontario, CA Site (CA License Number 5873-36): ^{147}Pm has been removed from the license and Mr. Frank Atmoko has been replaced by Mr. Kyle Page.

Specific License for Bethlehem, PA Site (PA License-1395): ^{147}Pm has been removed from the license.

Specific License for Versailles KY site (KY License-201-423-91): ^{147}Pm has been removed from the license

OSRAM SYLVANIA
200 Ballardvale Street
Wilmington, MA 01887
☎ (978) 570-3000

www.osram-americas.com

A copy of the most recent licenses above, have been attached for your review. Should you have questions regarding this request, please contact our radiation consultant, Sue Engelhardt at 262-227-2341 or Sue@radexperts.com, or you may contact me directly.

Sincerely,



Peter van Breda
VP of Logistics Americas

Cc Sue Engelhardt
Chris LoRusso

Attachments: License for Ontario, CA
License for Versailles, KY
License for Bethlehem, PA



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

August 26, 2015

David Davies
NAFTA Dangerous Goods Manger, RSO
Osram Sylvania Inc.
2460 Brodhead Road
Bethlehem, PA 18020

Re: Pennsylvania Radioactive Materials License PA-1395

Dear Mr. Williamson:

We are enclosing Amendment 5 to the referred license in response to a correspondence dated August 18, 2015. This amendment removes the Promethium-147 from the license. In addition, this amendment changes the mailing address from the 100 Endicott Street, Danvers, Massachusetts address to the 2460 Brodhead Road, Bethlehem, PA address.

Please note that the Commonwealth of Pennsylvania has "incorporated by reference" the NRC radiation protection regulations contained in 10 CFR Parts 19-150.

Please forward the enclosed material appropriately.

If there are any questions regarding this letter, I can be contacted at (717) 787-3720.

Thank you for your cooperation.

Sincerely,

John S. Chipppo
Chief

Radioactive Materials Section

Enclosure: PA-1395, Amendment 5

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17103-8457, 717-787-3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800-654-5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717-787-3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD. IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717-787-3483) FOR MORE INFORMATION.



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF RADIATION PROTECTION

Page 1 of 2 Pages

License No. PA-1395

RADIOACTIVE MATERIALS LICENSE

Amendment No. 5

Pursuant to the Radiation Protection Act, the Act of July 10, 1984 (No. 147, P.L. 688) (35 P.S. §§ 7110.101 – 7110.703) and Title 25. Rules and Regulations, Article V. Radiological Health of the Pennsylvania Department of Environmental Protection, and in reliance on statements and representations heretofore Licensee to receive, acquire, possess, transfer, and use radioactive material listed below for the purposes and at the places designated below. This license shall be deemed subject to all applicable rules, regulations, or orders of the Pennsylvania Department of Environmental Protection now or hereafter in effect and to any conditions specified below.

Licensee	In response to correspondence dated August 18, 2015.
1. Osram Sylvania Inc.	3. License No. PA -- 1395 Is amended as follows:
2. 2460 Brodhead Road Bethlehem, PA 18020	4. Expiration Date: May 31, 2023
	5. Client ID: 185018 Program Code: 3214 Priority: 5

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
A. Krypton 85	A. Gas in sealed glass tubes.	A. 100 millicuries

9. Authorized use:

- A. To be used for possession and storage in florescent lamps, metal halide discharge lamps and lamp starters incident to distribution in accordance with the conditions of NRC License 20-30024-02E.

CONDITIONS

- 10. Licensed material may be used or stored only at the licensee's facilities located at 2460 Brodhead Road, Bethlehem, Pennsylvania 18020.
- 11. Licensed material shall be used by, or under the supervision of David Davies.
- 12. The Radiation Safety Officer for this license is David Davies.
- 13. 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 and incorporated by reference in 10 CFR 30.35(d) for establishing financial assurance for decommissioning
- 14. This license does not authorize commercial distribution of licensed material.
- 15. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
- 16. The licensee shall conduct a physical inventory every 6 months to account for all sealed sources and devices containing licensed material 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.



RADIOACTIVE MATERIALS LICENSE

17. 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. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. The Department of Environmental Protection's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Renewal application dated April 22, 2013 (DEP)
- B. Correspondence dated August 28, 2013 (DEP)
- C. Letter dated August 18, 2015 (DEP)


For the Pennsylvania Department of Environmental Protection

John S. Chippo
Bureau of Radiation Protection
P.O. Box 8469
Harrisburg, PA 17105-8469

Date: August 26, 2015

RADIOACTIVE MATERIAL LICENSE

Pursuant to the California Code of Regulations, Division 1, Title 17, Chapter 8, Subchapter 4, Group 2, Licensing of Radioactive Material, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, use, possess, transfer, or dispose of radioactive material listed below; and to use such radioactive material for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations, and orders of the California Department of Public Health now or hereafter in effect and to any standard or specific condition specified in this license.

1. Licensee	Osram Sylvania, Inc.	3. License Number	5873-36	11
2. Address	1651 South Archibald Avenue Ontario, CA 91761	4. Expiration date	March 26, 2020	(5)
Attention:	Anthony Addimando Radiation Safety Officer	5. Inspection agency	Radiologic Health Branch South	

License Number 5873-36 is hereby amended as follows:

6. Nuclide	7. Form	8. Possession Limit
A. Krypton-85	A. Gas in electron tubes or glow switches	A. Not to exceed 175 nanocuries per device; total not to exceed 100 millicuries.

9. Authorized Use

- A. For possession and storage only. Distribution to be made under NRC exempt distribution License Number 20-30024 02E.

LICENSE CONDITIONS**10. Radioactive material shall be stored only at the following location:**

- (a) 1651 South Archibald Avenue, Ontario, CA.

11. This license is subject to an annual fee for sources of radioactive material authorized to be possessed at any one time as specified in Items 6, 7, 8 and 9 of this license. The annual fee for this license is required by and computed in accordance with Title 17, California Code of Regulations, Sections 30230-30232 and is also subject to an annual cost-of-living adjustment pursuant to Section 100425 of the California Health and Safety Code.

12. Radioactive material shall be used by, or under the supervision of the following individual(s):

- (a) Anthony Addimando
(b) Kyle Page

13. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material described in Items 6, 7, 8 and 9 of this license in accordance with the statements, representations, and procedures contained in the documents listed below. The Department's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- (a) The renewal application and the letter, both dated March 2, 2010, with attachments thereto, signed by Michael Dixon, Radiation Safety Officer, and Distribution Center Manager.
(b) The letter of request with attachments dated July 15, 2014, signed by Anthony Addimando, regarding the new RSO, Anthony Addimando and the new ARSO, Frank Atmoko, with RH 2050A forms, both dated October 1,

RADIOACTIVE MATERIAL LICENSE

License Number: 5873-36

Amendment Number: 11

2014, Delegation of Authority Form dated November 10, 2014, and 24-hour call list sent electronically by the RSO on January 8, 2015.

- (c) The letters dated August 24, 2015, October 20, 2015, and November 4, 2015, all with attachments and all signed by Anthony Addimando, Radiation Safety Officer, including the updated emergency contact list.
14. (a) Radiation Safety Officer in this program shall be Anthony Addimando.
- (b) The Alternate Radiation Safety Officer in this program shall be Kyle Page.
15. This license does not authorize commercial distribution of radioactive material pursuant to Title 17, California Code of Regulations, Sections 30180 and 30192 through 30192.6 or equivalent provisions of the U.S. Nuclear Regulatory Commission or Agreement States.
16. The licensee shall conduct a physical inventory every six months to account for all sealed sources and/or devices received and possessed under the license. Records of the inventories shall be maintained for inspection, and may be disposed of, following Department inspection.
17. At least 30 days prior to vacating any address of use listed in Condition 10 f this license, the licensee shall provide written notification thereof to the California Department of Public Health, in accordance with Title 17, California Code of Regulations, Section 30256 (b).
18. A copy of this license and a copy of all the records and documents pertaining to this license shall be available for inspection at 1651 South Archibald Avenue, Ontario, CA.
19. The licensee shall comply with all requirements of Title 17, California Code of Regulations, Section 30373 when transporting or delivering radioactive materials to a carrier for shipment. These requirements include; packaging, marking, labeling, loading, storage, placarding, monitoring, and accident reporting. Shipping papers shall be maintained for inspection pursuant to the U.S. Department of Transportation requirements (Title 49, Code of Federal Regulations, Part 172, Sections 172.200 through 172.204).
20. The licensee will provide the Low Level Radioactive Waste (LLRW) reports specified in the California Health and Safety Code Section 115000.1(h) to the California Department of Public Health (CDPH) on an annual basis for both shipped and stored LLRW. Alternatively, LLRW shipment information may be provided on a per shipment basis. LLRW shipment information and annual reports shall be mailed to:

Attn: LLRW Tracking Program
California Department of Public Health
Radiologic Health Branch, MS 7610
P.O. Box 997414
Sacramento, CA 95899-7414

For the California Department of Public Health

Date: November 13, 2015

By: 

Ronald Ragus
Senior Health Physicist
Radiologic Health Branch
P.O. Box 997414-MS 7610
Sacramento, CA 95899-7414

CABINET FOR HEALTH SERVICES
COMMONWEALTH OF KENTUCKY
RADIOACTIVE MATERIAL LICENSE

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1. LICENSEE AND 2. ADDRESS

OSRAM SYLVANIA INC.
1100 TYRONE PIKE
VERSAILLES, KY 40383

ATTENTION: BRIAN BYARLAY
TELEPHONE: 859-256-1079

PURSUANT TO KRS 211.842 ET SEQ., THE KENTUCKY CABINET FOR HUMAN RESOURCES REGULATIONS, 902 KAR 100, AND IN RELIANCE ON STATEMENTS AND REPRESENTATIONS HERETOFORE MADE BY THE LICENSEE, A LICENSE IS HEREBY ISSUED TO RECEIVE, ACQUIRE, OWN, POSSESS AND TRANSFER RADIOACTIVE MATERIAL LISTED BELOW; AND TO USE SUCH RADIOACTIVE MATERIAL FOR THE PURPOSE(S) AND AT THE PLACE(S) DESIGNATED BELOW. THIS LICENSE IS SUBJECT TO ALL APPLICABLE RULES, REGULATIONS, AND ORDERS OF THE CABINET FOR HEALTH SERVICES, NOW OR HEREINAFTER IN EFFECT AND TO ANY CONDITIONS SPECIFIED BELOW.

3. LICENSE NUMBER: 201-423-91
AMENDMENT NO. 45
4. EXPIRATION DATE: MAY 31, 2016
5. REVIEWER: 47

6. LICENSED MATERIAL 7. FORM 8. POSSESSION LIMIT
A. KRYPTON 85 A. GAS A. NOT TO EXCEED 100
MILLICURIES

9. AUTHORIZED USE

A. FOR POSSESSION AND STORAGE ONLY INCIDENTAL TO DISTRIBUTION OF EXEMPT PRODUCTS AS LICENSED BY THE U.S. NUCLEAR REGULATORY COMMISSION.

CABINET FOR HEALTH SERVICES
COMMONWEALTH OF KENTUCKY
RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER: 201-423-91

AMENDMENT 45

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CONDITIONS:

10. THE LICENSEE SHALL COMPLY WITH THE PROVISIONS OF THE KENTUCKY CABINET FOR HEALTH SERVICES ADMINISTRATIVE RADIATION REGULATIONS, 902 KAR 100.
11. RADIOACTIVE MATERIAL SHALL BE USED AT:

1100 TYRONE PIKE
VERSAILLES, KENTUCKY 40383
12. RADIOACTIVE MATERIAL SHALL BE USED BY, OR UNDER THE SUPERVISION OF:

BEN BYARLAY

THE LICENSEE SHALL MAINTAIN RECORDS OF INDIVIDUALS DESIGNATED AS USERS AND THEIR TRAINING FOR THREE (3) YEARS AFTER THE INDIVIDUAL'S LAST USE OF RADIOACTIVE MATERIAL.
13. COPIES OF RECORDS REQUIRED PURSUANT TO 902 KAR 100 OR CONDITIONS OF THE LICENSE SHALL BE MAINTAINED FOR INSPECTION BY THE CABINET AT 1100 TYRONE PIKE, VERSAILLES, KY 40383
14. THE RADIATION SAFETY OFFICER FOR THE ACTIVITIES AUTHORIZED BY THIS LICENSE IS BEN BYARLAY .
15. THIS LICENSEE IS AUTHORIZED TO COLLECT LEAK TEST SAMPLES IN ACCORDANCE WITH THE PROCEDURES DESCRIBED IN THE LICENSEE'S APPLICATION DATED NOVEMBER 28, 1995 FOR ANALYSIS BY GUY H. SIMMONS, PH.D.
ALTERNATIVELY, LEAK TEST SAMPLES MAY BE COLLECTED AND/OR ANALYZED BY OTHER PERSONS SPECIFICALLY AUTHORIZED BY THE CABINET, U.S. NUCLEAR REGULATORY COMMISSION OR AN AGREEMENT STATE.
16. SEALED SOURCES CONTAINING RADIOACTIVE MATERIAL SHALL NOT BE OPENED.
17. THE FOLLOWING SERVICES SHALL NOT BE PERFORMED BY THE LICENSEE: INSTALLATION, INITIAL RADIATION SURVEYS, RELOCATION, REMOVAL FROM SERVICE, DISMANTLING, ALIGNMENT, REPLACEMENT, DISPOSAL OF THE SEALED SOURCES, AND NON-ROUTINE MAINTENANCE OR REPAIR OF COMPONENTS RELATED TO THE RADIOLOGICAL SAFETY OF THE GAUGE (I.E., THE SEALED SOURCE, THE SOURCE HOLDER, SOURCE DRIVE MECHANISM, ON-OFF MECHANISM (SHUTTER), SHUTTER CONTROL, SHIELDING). THESE SERVICES SHALL BE PERFORMED ONLY BY PERSONS SPECIFICALLY LICENSED BY THE CABINET, U.S. NUCLEAR REGULATORY COMMISSION OR AN AGREEMENT STATE TO PERFORM SUCH SERVICES.

CABINET FOR HEALTH SERVICES
COMMONWEALTH OF KENTUCKY
RADIOACTIVE MATERIAL LICENSE

LICENSE NUMBER: 201-423-91

AMENDMENT 45

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18. THE LICENSEE SHALL CONDUCT A PHYSICAL INVENTORY EVERY SIX (6) MONTHS TO ACCOUNT FOR ALL SEALED SOURCES RECEIVED AND POSSESSED UNDER THE LICENSE. THE RECORDS OF THE INVENTORIES SHALL BE MAINTAINED FOR THREE (3) YEARS FROM THE DATE OF THE INVENTORY FOR INSPECTION BY THE CABINET, AND SHALL INCLUDE THE RADIONUCLIDES, QUANTITIES, MANUFACTURER'S NAME AND MODEL NUMBERS, LOCATION OF SEALED SOURCES, THE DATES OF THE INVENTORY, AND THE NAME OF THE INDIVIDUAL CONDUCTING THE INVENTORY.
19. IN ADDITION TO THE POSSESSION LIMITS IN ITEM 8, THE LICENSEE SHALL FURTHER RESTRICT THE POSSESSION OF RADIOACTIVE MATERIAL TO QUANTITIES BELOW THE MINIMUM LIMIT SPECIFIED IN 902 KAR 100:042, SECTION 11, FOR ESTABLISHING DECOMMISSIONING FINANCIAL ASSURANCE.
20. THIS LICENSE AND THE RIGHT TO POSSESS OR UTILIZE RADIOACTIVE MATERIAL GRANTED BY THIS LICENSE ISSUED UNDER 902 KAR CHAPTER 100 SHALL NOT BE TRANSFERRED, ASSIGNED, OR OTHERWISE DISPOSED OF, THROUGH TRANSFER OF CONTROL OF A LICENSE TO A PERSON UNLESS THE CABINET, AFTER SECURING FULL INFORMATION, FINDS THAT THE TRANSFER IS IN ACCORDANCE WITH THE REQUIREMENTS OF 902 KAR CHAPTER 100 AND GIVES ITS CONSENT IN WRITING IN ACCORDANCE WITH 902 KAR 100:040, SECTION 11.
21. 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 CABINET FOR HEALTH SERVICES REGULATIONS, 902 KAR 100, SHALL GOVERN UNLESS STATEMENTS, REPRESENTATIONS, AND PROCEDURES IN THE LICENSEE'S APPLICATION AND CORRESPONDENCE ARE MORE RESTRICTIVE THAN THE REGULATION.
 - A. APPLICATION DATED NOVEMBER 28, 1995, SIGNED BY JOEL BEYERLE, PLANT MANAGER.
 - B. LETTERS DATED:
 1. MARCH 13, 1996, SIGNED BY H. DAVID THOMAS, SR. ENVIRONMENTAL ENGINEER.
 2. NOVEMBER 26, 1996, SIGNED BY EDDIE SALONE, ENVIRONMENTAL MANAGER.
 3. MARCH 26, 1997, SIGNED BY ALAN H. JONES, CORPORATE RADIATION SAFETY OFFICER.
 4. FEBRUARY 11, 1997, SIGNED BY EDDIE L. SALONE.
 5. MARCH 2, 1998, SIGNED BY ALAN H. JONES, CORPORATE RADIATION SAFETY OFFICER.

CABINET FOR HEALTH SERVICES
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RADIOACTIVE MATERIAL LICENSE

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6. JUNE 11, 1998, SIGNED BY ALAN H. JONES, CORPORATE RADIATION SAFETY OFFICER.
7. JULY 2, 1998, SIGNED BY ALAN H. JONES, CORPORATE RSO.
8. NOVEMBER 10, 2003, SIGNED BY ALAN H. JONES, CORPORATE RSO.
9. DECEMBER 10, 2003, SIGNED BY LINDA S. DAY, ASSISTANT SECRETARY.
10. DECEMBER 15, 2003, SIGNED BY ALAN H. JONES, CORPORATE RSO.
11. APRIL 26, 2004, SIGNED BY ALAN H. JONES, CORPORATE RSO.
12. MAY 5, 2004, SIGNED BY ALAN H. JONES, CORPORATE RSO.
13. OCTOBER 31, 2006, SIGNED BY ALAN H. JONES, CORPORATE RADIATION SAFETY OFFICER.
14. MAY 30, 2007, SIGNED BY KATHLEEN ROY, RSO AND PETER VAN BREDA, DIRECTOR OF WAREHOUSING AND DISTRIBUTION.
15. JUNE 5, 2007, SIGNED BY ALAN H. JONES, CORPORATE RADIATION SAFETY OFFICER.
16. JANUARY 4, 2008, SIGNED BY KATHLEEN ROY, RSO.
17. JANUARY 11, 2011, SIGNED BY KATHLEEN ROY, MANAGER MDC.
18. FEBRUARY 28, 2013, SIGNED BY ALAN H. JONES, CRSO (CHANGE OF RSO AND AUTHORIZED USERS).
19. AUGUST 28, 2013, SIGNED BY JANE RUNNING, VICE PRESIDENT (NOTIFICATION OF CORPORATE RESTRUCTURING).
20. FEBRUARY 19, 2015, SIGNED BY PETER VAN BREDA, VP (LETTER TO USNRC).
21. MAY 7, 2015, SIGNED BY BENNETT BYARLAY, RSO (DELETE PROMETHIUM 147).



MANAGER
RADIATION HEALTH BRANCH

AUDREY TAYSE HAYNES

SECRETARY
CABINET FOR HEALTH AND FAMILY
SERVICES

DATE ISSUED MAY 29, 2015