

Advanced Lighting Technologies, Inc.
32000 Aurora Road, Solon, Ohio 44139 Phone: (440) 519-0500 Fax: (440) 349-7171

January 9, 2015

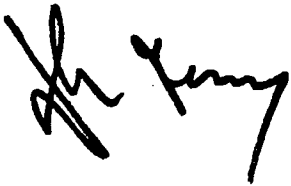
ATTN: Document Control Desk / Exempt Distribution Director,
Office of Federal and State Materials and
Environmental Management Programs,
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

REF: Advanced Lighting Technologies, Inc. Exempt Distribution Annual Transfer Report
Distribution License Number: 34-2659-03E
Docket Number: 030-38541

Pursuant to 10 CFR 32.16, enclosed is a copy our material transfer report (Attachment 1). The products reported are transferred for use under 10 CFR 30.15 (a)(8)(iv). The time period covered is from 1 January 2014 through 31 December 2014. Also enclosed (Attachment 2) is a copy of our Materials License for Krypton-85 from the State of Ohio.

If you have any questions related to this matter, please contact me at (440) 836-7252 or joshua_barry@adlt.com.

Sincerely,



Joshua Barry
Radiation Safety Officer

cc. Mark Mikulka

FSME03

US Nuclear Regulatory Commission
Distribution License Number: 34-26659-03E
January 9, 2015

ATTACHMENT 1

REPORT OF TRANSFER OF MATERIAL

- 1. Type and product descriptor of each product or material onto which byproduct material has been introduced during the reporting period:**

Metal halide lamps (50 watts-2000 watts)

- 2. The total quantity of each radionuclide introduced into each product type:**

- > **Radionuclide:** Krypton-85 gas (mixed with argon gas).
- > **Product model:** Metal halide lamps (50 watts-2000 watts)
- > **Total Quantity of Radionuclide:** did not exceed 1.6 Curies

- 3. Number of units of each product transferred during reporting period:**

Product: Metal halide lamps (50 watts-2000 watts)

Units transferred: 1,769,207

Advanced Lighting Technologies, Inc.
32000 Aurora Road, Solon, Ohio 44139 Phone: (440) 519-0500 Fax: (440) 349-7171

US Nuclear Regulatory Commission
Distribution License Number: 34-26659-03E
January 9, 2015

ATTACHMENT 2

MATERIALS LICENSE FOR KRYPTON-85 FROM THE STATE OF OHIO

(Following 2 pages)

**OHIO DEPARTMENT OF HEALTH
 LICENSE FOR RADIOACTIVE MATERIAL**

Pursuant to Chapter 3748 of the Ohio Revised Code, and in reliance on statements and representations made by the licensee, a license is hereby issued authorizing the licensee named herein to receive, acquire, possess, and transfer radioactive material as 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 applications of Chapter 3748 of the Ohio Revised Code and all applicable rules promulgated thereunder. This license is subject to all applicable rules, regulations and orders of the Ohio Department of Health now or hereinafter in effect and to any conditions specified below.

LICENSEE 1. Advanced Lighting Technologies, Inc. 2. 32000 Aurora Road Solon, OH 44139	LICENSE NUMBER 3. 03214180000 EXPIRATION DATE 4. August 1, 2015 FILE NUMBER / ID NUMBER 5. 500950-9794
--	--

6. RADIOACTIVE MATERIAL	7. CHEMICAL AND/OR PHYSICAL FORM	8. MAXIMUM QUANTITY THAT LICENSEE MAY POSSESS AT ANY ONE TIME UNDER THIS LICENSE
A. Krypton-85	A. Gas	A. 925 GBq (25 Ci)
B. Thorium (natural)	B. Thorium iodide (not to exceed 4% by weight) mixed with non-radioactive iodide	B. 0.5 kilograms
C. Thorium (natural)	C. Thorium oxide (not to exceed 4% by weight) alloyed with tungsten oxide	C. 2.0 kilograms

9. Authorized Use
- A. To be dispensed into arc tubes which are installed into metal halide lamps incident to exempt distribution.
 - B. and C. To be used in the production and commercial distribution of arc tubes for metal halide lamps.

CONDITIONS

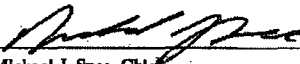
- 10. Licensed material may only be used at the licensee's facilities located at:
 - A. **Venture Lighting International, 32000 Aurora Road, Solon, Ohio 44139; or**
 - B. **Advanced Lighting Technologies, Inc., 10295 Phillip Parkway, Streetsboro, Ohio 44241-4040**
- 11. A. The Radiation Safety Officer for this license is: **Joshua Barry.**
 B. The Assistant Radiation Safety Officer for this license is: **Dennis Miller.**
- 12. Licensed material shall be used by, or under the supervision of **Joshua Barry, Dennis Miller** or individuals who have completed the training described in the licensee correspondence dated May 19, 2010 that is incorporated with the renewal application dated March 30, 2010. The licensee shall maintain training records of individuals designated as authorized users for five years.
- 13. The licensee shall conduct a physical inventory every 6 months. Records of inventories shall be maintained for 3 years from the date of each inventory, and shall include the quantities and kinds of licensed material, location of the material, and the date of the inventory.
- 14. This license does not authorize commercial distribution of licensed material.
- 15. The licensee is authorized to transport licensed material only in accordance with the provisions of **OAC 3701: 1-50.**
- 16. The licensee shall not dispose of any item as non-radioactive, including filtration media and fluids having the potential to come into contact with licensed materials, until each item has been surveyed or sampled to assure it does not contain radioactive material.

OHIO DEPARTMENT OF HEALTH LICENSE FOR RADIOACTIVE MATERIALS SUPPLEMENTARY SHEET	Page 2 of 2 License Number: 0321418000 File Number / ID Number: 500950-9794 Amendment No. 9
--	--

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. The Ohio Department of Health's statutes, rules, and orders shall govern unless statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. License renewal application dated March 30, 2010, letter dated May 4, 2010 and e-mail correspondence dated May 19, 2010. Amendment 8 renews this license in its entirety.
- B. *Application dated June 10, 2014 (Amendment 9).*

For the Ohio Department of Health

DATE: 6/13/14 BY: 
Michael J. Snee, Chief
Bureau of Radiation Protection
on behalf of Director of Health