

**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>Licensee</p> <p>1. Light Sources, Inc.</p> <p>2. 37 Robinson Boulevard Orange, Connecticut 06477</p>	<p>In accordance with letter dated July 24, 2014,</p> <p>3. License number 06-31445-01 is amended in its entirety to read as follows:</p> <p>4. Expiration Date: September 30, 2021</p> <p>5. Docket No. 03038458 Reference No.</p>	
<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Krypton 85</p>	<p>7. Chemical and/or physical form</p> <p>A. Gas in quartz arc tubes</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 0.6 microcuries per source and 5,400 microcuries total</p>
<p>9. Authorized use:</p> <p>A. Possession and storage in Radium Lampenwerk GmbH ultraviolet or Narva Lightprodukte Metal Halide lamps prior to initial distribution.</p>		

**CONDITIONS**

10. Licensed material may be used or stored only at the licensee's facilities located at 37 Robinson Boulevard, Orange, Connecticut.
11. Licensed material shall be used by, or under the supervision of, Earl Digioia, Eugene Czako, Jean Gaillard, Jairon Salguero, Jose Gonzales, Yerri Alfaro, Eduardo Villacis, Julio Estrella, and Carlos Rosales.
12. The Radiation Safety Officer for this license is Robert Miske, Jr.
13. The licensee shall not use licensed material in or on human beings.
14. Each device distributed pursuant to the conditions of this license shall be in accordance with the Table in the letter dated August 18, 2011, or as described in the letter dated May 15, 2014.
15. This license does not authorize commercial distribution of licensed material to persons generally

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
06-31445-01Docket or Reference Number  
03038458

Amendment No. 04

licensed

pursuant to 10 CFR Part 31 or to persons exempt from licensing pursuant to 10 CFR 30.14 through 30.21, inclusive, or equivalent regulations of any Agreement State.

16. Pursuant to 20.2002, the licensee may dispose of up to 200 lamps each year, not to exceed 0.12 uCi of Kr-85 each, to a recycling facility that handles hazardous waste, including mercury. The recycling facility must be licensed by the U.S. Nuclear Regulatory Commission or an Agreement State or have received an exemption from licensing requirements under 10 CFR 30.11, or an Agreement State.
17. The licensee shall not use licensed material in field applications where it is released except as provided otherwise by specific condition of this license.
18. The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices 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.
19. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

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20. 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 June 7, 2011, with cover letter dated May 20, 2011 (ML111610425)
- B. Letter dated August 18, 2011 (ML112310983)
- C. Letter dated November 17, 2011 (ML113250060)
- D. Letter dated May 15, 2014 (ML14191A214)
- E. Letter dated July 24, 2014 (ML14216A456)
- F. Letter dated July 24, 2014 (ML14219A361)



For the U.S. Nuclear Regulatory Commission

Date August 25, 2014

By

***Original signed by Dennis R. Lawyer***

Dennis R. Lawyer  
Commercial, Industrial, R&D and Academic Branch  
Division of Nuclear Materials Safety  
Region I