

U.S. NUCLEAR REGULATORY COMMISSION

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.

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| <p>Licensee</p> <p>1. General Electric Company GE Lighting</p> <p>2. 1975 Noble Road, Bldg 315 East Cleveland, Ohio 44112-1719</p> | <p>In accordance with letter dated July 9, 2012</p> <p>3. License number 16-17316-01E is amended in its entirety to read as follows:</p> <p>4. Expiration date November 30, 2015</p> <p>5. Docket No. 030-37042 Reference No. 030-05607/34-00054-07E</p> |
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| <p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Promethium-147</p> <p>B. Krypton-85</p> <p>C. Hydrogen-3</p> | <p>7. Chemical and/or physical form</p> <p>A. Plated onto a wire in glow switches</p> <p>B. Gas in glow switches or arc tubes</p> <p>C. With titanium in glow Switches</p> | <p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. Not applicable (See License Condition 11)</p> <p>B. Not applicable (See License Condition 11)</p> <p>C. Not applicable (See License Condition 11)</p> |
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9. Authorized use:

Pursuant to 10 CFR 32.14, "Specific Domestic Licenses to Manufacture or Transfer Certain Items Containing Byproduct Material," the licensee is authorized to distribute glow switches containing promethium-147, or krypton-85, or hydrogen-3, and arc tubes or lamps containing krypton-85 to persons exempt from the requirements for a license pursuant to 10 CFR 30.15, or equivalent provisions of the regulations of any Agreement State.

CONDITIONS

10. Individual glow switches distributed pursuant to this license shall contain not more than 0.5 microcuries of promethium-147, or 25 nanocuries of krypton-85, or 120 nanocuries of hydrogen-3, and individual arc tubes shall contain no more than 1 microcurie of krypton-85.
11. This license does not authorize possession or use of licensed material.

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030-37042

Amendment No. 04

12. The licensee may distribute only from its facilities located at

5555 Massillon Road, Building E, N. Canton, Ohio;
11600 Philadelphia Place, Mira Loma, California;
150 Loomis Parkway, Ravenna, Ohio;
6800 North Chestnut Street, Ravenna, Ohio;
1975 Noble Road, East Cleveland, Ohio;
1520 Lauderdale Memorial Highway NW, Charleston, Tennessee;
3010 Spartanbury Highway, East Flat Rock, North Carolina.

13. The licensee shall submit periodic material transfer reports as specified in 10 CFR 32.16.

14. The licensee is exempt from the labeling requirements of 10 CFR 32.15(d) as they apply to individual glow switches, provided that the labeling is in accordance with 10 CFR 32.15(d), and licensee application dated September 22, 1994, and letters dated September 22, 1994; November 14, 1994; January 9, 1995; and June 26, 2000.



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15. Except as specifically provided otherwise by 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 September 22, 1994;
- B. Letter dated September 22, 1994;
- C. Letter dated November 14, 1994;
- D. Letter dated January 9, 1995;
- E. Letter dated October 23, 1995;
- F. Letter dated June 26, 2000;
- G. Undated application received February 16, 2005;
- H. Letter dated April 12, 2005.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date August 15, 2012By /RA/

Shirley S. Xu
Licensing Branch
Division of Materials Safety and State Agreements
Office of Federal and State Materials and
Environmental Management Programs
Washington, DC 20555