

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, 37, 39, 40, 70 and 71, 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. Chemring Sensors & Electronic System</p>	<p>In accordance with letter dated October 25, 2016</p>
<p>2. 4205 Westinghouse Commons Drive Charlotte, NC 28273</p>	<p>3. License number: 32-23947-01E is amended in its entirety to read as follows:</p>
	<p>4. Expiration Date: June 30, 2017</p>
	<p>5. Docket No.: 030-37431 Reference No.:</p>

<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Nickel-63</p>	<p>7. Chemical and/or physical form</p> <p>A. Foils (Eckert & Ziegler Isotope Products, Model NEW-004)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. No Possession Authorized</p>	<p>9. Authorized use</p> <p>A. In accordance with 10 CFR 32.26, the licensee is authorized to distribute gas and aerosol detectors as specified in Condition 10 of this license to persons exempt from the requirements for a license under 10 CFR 30.20, or equivalent regulations of any Agreement State.</p>
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CONDITIONS

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
32-23947-01EDocket or Reference Number
030-37431

Amendment No. 3

10. The following device containing byproduct material designed and manufactured in accordance with NRC registration certificate No. NR-1280-D-101-E, may be distributed according to this license provided the amount of nickel-63 contained in the device does not exceed the amount specified in the following table:

<u>Device Model</u>	<u>Maximum Quantity per Device</u>
Juno Chemical Vapor Detector	5 millicuries (185 MBq)

11. This license does not authorize possession or use of licensed material.
12. The licensee may distribute only from its facilities located at 4205 Westinghouse Commons Drive, Charlotte, North Carolina.
13. The licensee shall file periodic reports as specified in Section 32.29(c), 10 CFR Part 32.
14. 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 March 15, 2007 (ML071720160);
- B. Letter dated May 9, 2007;
- C. Letter dated June 1, 2011 (ML111950726);

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- D. Letter dated July 19, 2011 (ML112070912);
- E. Letter dated August 18, 2011 (ML112310755);
- F. Letter dated September 29, 2011 (ML112770560);
- G. Letter dated January 17, 2017 (ML17026A138).

Date: February 6, 2017By: IRA/
Shirley S. Xu
Headquarters