U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 02

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.

Licensee	
1. Chemring Detection Systems, Inc. 2. 4205 Westinghouse Commons Drive Charlotte, NC 28273	In accordance with letter dated September 29, 2011 3. License number 32-23947-01E is amended in its entirety to read as follows: 4. Expiration date June 30, 2017 5. Docket No. 030-37431 Reference No

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. Nickel-63	A. Foil Sources (NER Model 004)	A. Not Applicable (See Condition 11

9. Authorized use:

Pursuant to Section 32.26, 10 CFR Part 32, "Specific Domestic Licenses to Manufacture or Transfer Certain Items Containing Byproduct Material"; the licensee is authorized to distribute gas and aerosol detectors, as specified in Condition 10, to persons exempt from the requirements for a license pursuant to Section 30.20, 10 CFR Part 30, or equivalent provisions of the regulations of any Agreement State

CONDITIONS

10. The following gas and aerosol detector device may be distributed pursuant to this license provided the amount of nickel-63 contained in the device does not exceed the amount specified in the following table:

Device Model	Maximum Quantity per Device
Juno Chemical Vapor Detector	5 millicuries (185 MBq)

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MATERIALS LICENSE SUPPLEMENTARY SHEET

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, NC.

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;
    B. Letter dated May 9, 2007; and
    C. Registration Certificate NR-1280-D-101-E.
    D. Letter dated June 1, 2011;
    E. Letter dated July 19, 2011;
    F. Letter dated August 18, 2011; and
    G. Letter dated September 29, 2011.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date October 27, 2011

Signed by: **/RA/**

Richard K. Struckmeyer
Licensing Branch
Division of Materials Safety and
State Agreements
Office of Federal and State Materials and
Environmental Management Programs
Washington, DC 20555