

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.

<p style="text-align: center;">Licensee</p> <p>1. Smiths Detection, Inc.</p> <p>2. 2202 Lakeside Blvd Edgewood, Maryland 21040</p>	<p>In accordance with your letter dated September 24, 2015</p> <p>3. License number 19-24009-01E is amended in its entirety to read as follows:</p> <p>4. Expiration date October 31, 2020</p> <p>5. Docket No. 030-38540 Reference No. 29-28620-04E, 030-38317 06-24000-01E, 030-38417</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Nickel-63</p> <p>B. Sodium 22</p>	<p>7. Chemical and/or physical form</p> <p>A. Foil sources (QSA Global, Inc. Model NBC; Nuclear Radiation Development Model N1001)</p> <p>B. Sealed Sources (Eckert &amp; Ziegler Isotopes Model SKRB 17540/18147)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. Not applicable (See Condition 11)</p> <p>B. Not applicable (See Condition 11)</p>
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9. Authorized use:
- A. In accordance with 10 CFR 32.26, "Gas and aerosol detectors containing byproduct material," the licensee is authorized to distribute the devices containing sealed sources 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.
  - B. In accordance with 10 CFR 32.14, "Certain items containing byproduct material," the licensee is authorized to distribute RadSeeker, a Hand Portable Radiation Detector System (HPRDS), containing not more than 0.016 microcuries of Sodium-22, to persons exempt from the requirements for a license under 10 CFR 32.14, or equivalent provisions of any Agreement State.

CONDITIONS

10. The following device containing byproduct material designed and manufactured in accordance with NRC Registration No. NR-0163-D-102-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:

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SUPPLEMENTARY SHEET**

License Number  
19-24009-01E

Docket or Reference Number  
030-38540

Amendment No. 03

Device Model

Maximum Quantity Per Device

IONSCAN 400B,	15 millicuries (555 MBq)
IONSCAN LS	15 millicuries (555 MBq)
IONSCAN Document Scanner	15 millicuries (555 MBq)
IONSCAN 500DT	30 millicuries (1110 MBq)
IONSCAN 500HDT	30 millicuries (1110 MBq)
Sabre 4000	15 millicuries (555 MBq)
Sabre 4000FR	15 millicuries (555 MBq)
Sabre EXV	15 millicuries (555 MBq)
MMTD	15 millicuries (555 MBq)
Sabre Centurion	15 millicuries (555 MBq)
Sabre Centurion II	15 millicuries (555 MBq)
Sentinel II	15 millicuries (555 MBq)
Sabre 5000	15 millicuries (555 MBq)

11. This license does not authorize possession or use of licensed material.
12. A. The licensee may distribute only from its facilities located at 2202 Lakeside Blvd. Edgewood, Maryland.  
  
B. The licensee is authorized to use RadSeeker and the device models in Condition 10 of this license for instruction and training purposes at customer's facilities and trade shows.
13. The licensee shall file periodic reports as specified in 10 CFR 32.16 and 10 CFR 32.29.

14. Except as specifically provided otherwise by this license, the licensee shall conduct its program in

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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 16, 2009 (ML092930389);
- B. Letter dated April 12, 2010 (ML101100730);
- C. Letter dated January 20, 2011 (ML110320272);
- D. Letter dated September 24, 2015 (ML15273A029);
- E. Letter dated November 18, 2015 (ML15355A033);
- F. Email dated December 18, 2015 (ML15355A052).



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date January 21, 2016By /RA/  
Shirley S. Xu  
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and Rulemaking Programs  
Office of Nuclear Material Safety  
and Safeguards  
Washington, DC 20555