

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	In accordance with letter dated March 27, 2015
1. Morpho Detection, LLC	3. License number 20-23904-01E is amended in its entirety to read as follows:
2. 23 Frontage Road	4. Expiration date November 30, 2024
Andover, Massachusetts 01810	5. Docket No. 030-36457 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 (Isotope Products Laboratories Model NER-004)	A. Not applicable (See Condition 11)

9. Authorized use:

In accordance with 10 CFR Part 32.26, "Gas and aerosol detectors containing byproduct material: Requirements for license to manufacture, process, produce, or initially transfer," 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 regulation of any Agreement State.

CONDITIONS

10. The following devices containing byproduct material designed and manufactured in accordance with NRC registration certificate No. NR-0399-D-101-E, may be distributed according to this license provided the amount of nickel-63 contained in the devices do not exceed the amount specified in the following table:

<u>Device Model</u>	<u>Maximum Quantity Per Device</u>
Entryscan 3, 3e, and 4	10 millicuries (370 MBq)
Itemiser II, 3, FX, FX-KX, HF and DX	10 millicuries (370 MBq)
Itemiser 3 Enhanced	10 millicuries (370 MBq)
MobileTrace, MobileTrace DX, and Hardened MobileTrace	10 millicuries (370 MBq)
Vapor Tracer 2	10 millicuries (370 MBq)
Validator ITMS	10 millicuries (370 MBq)
VTEX	10 millicuries (370 MBq)

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
20-023904-01EDocket or Reference Number
030-36457

Amendment No. 16

11. This license does not authorize possession or use of licensed material.
12. A. The licensee may distribute only from its facilities located at 7151 Gateway Boulevard, Newark, California; and 23 Frontage Road, Andover, Massachusetts.
B. The licensee may use the devices for instruction and training purposes at customer's facilities and trade shows.
13. Notwithstanding the requirements of 10 CFR 32.26, the licensee may service devices by removing or replacing detector heads in all Model Nos. under License Condition 10 at customer sites, and separately shipping the upper cabinet assemblies (containing the fully mounted detector heads) for final assembly in Model Nos. Entryscan 3, 3e, and 4 ion mobility spectrometer devices at customer sites.
14. The licensee shall file reciprocity, in accordance with 10 CFR 150.20 or equivalent Agreement State regulations, with the appropriate regulatory authority for the State in which the customer site is located, before commencing licensed activities authorized by License Condition 13.
15. The licensee shall file periodic reports as specified in 10 CFR 32.29.
16. 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 July 10, 2014 (ML14204A816); and
B. Letter dated October 29, 2014 (ML14304A357).

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: June 17, 2015

By: /RA/
Shirley S. Xu
Materials Safety Licensing Branch
Division of Materials Safety, States, Tribal,
and Rulemaking Programs
Office of Nuclear Material Safety
and Safeguards
Washington, DC 20555