U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 11

CORRECTED COPY

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 the letter dated January 6, 2010
1. Morpho Detection, Inc.	3. License number 20-23904-01E is amended in its entirety to read as follows:
2. 205 Lowell Street Wilmington, Massachusetts 01887	4. Expiration date August 31, 2014
	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:

Pursuant to Section 32.26, 10 CFR Part 32, "Gas and aerosol detectors containing byproduct material," the licensee is authorized to distribute the devices manufactured in accordance with NRC Registration No. NR-0399-D-101-E containing sealed sources as specified in Condition 10 of this license to persons exempt from the requirements for a license pursuant to 10 CFR Part 30.20, or equivalent provisions of the regulations of any Agreement State.

CONDITIONS

10. The following devices may be distributed pursuant to this license provided the amount of Nickel-63 contained in each device does not exceed the amounts specified in the following table:

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

11. This license does not authorize possession or use of licensed material.

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12. The licensee may distribute only from its facilities located at 205 Lowell Street, Wilmington, Massachusetts; 7007 Gateway Boulevard, Newark, California (except Model VTEX); and 7151 Gateway Boulevard, Newark, California.

13. Notwithstanding the requirements of 10 CFR 32.26, the licensee may service devices by removing or replacing detector heads in Model Nos. Entryscan 3, 3e, and 4 ion mobility spectrometer devices at customer sites, and separately shipping the upper cabinet assemblies (containing the fully mounted detector heads) for final assembly at customer sites, provided that:

    (a) These activities shall be performed in accordance with the licensee's letters dated November 29, 2006 and May 13, 2007, and email dated June 29, 2007; and
    (b) 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(a).

14. The licensee shall file periodic reports as specified in 10 CFR 32.29.

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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 December 15, 2003;
B. Registration Certificate No. NR-0399-D-101-E;
C. Letter dated June 14, 2004;
D. Letter dated July 2, 2004;
E. Letter dated July 9, 2004;
F. Application dated September 29, 2004;
G. Facsimile dated December 20, 2004;
H. Application dated June 13, 2005;
I. Application dated July 25, 2005;
J. Letter dated October 13, 2005;
K. E-mail dated November 9, 2005;
L. Letter dated December 9, 2005;
M. Two letters dated March 31, 2006;
N. Letter dated July 6, 2006;
O. Email dated July 28, 2006;
P. Two emails dated August 8, 2006;
Q. Letter dated November 29, 2006;
R. Email dated February 20, 2007;
S. Email dated February 26, 2007;
T. Letter dated May 13, 2007;
U. Email dated May 31, 2007;
V. Email dated June 12, 2007;
W. Email dated June 21, 2007;
X. Email dated June 29, 2007;
Y. Email dated May 21, 2008;
Z. Email dated August 14, 2008;
AA. Email dated September 12, 2008;
AB. Letter dated June 19, 2009;
AC. Letter dated July 8, 2009;
AD. Letter dated July 14, 2009;
AE. Letter dated October 22, 2009;
AF. Letter dated January 6, 2010;
AG. Letter dated April 27, 2010.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date July 28, 2010

By /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