

## MATERIALS LICENSE

Amendment No. 04

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, 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.

**"OFFICIAL RECORD COPY"**

## Licensee

In accordance with application dated  
April 2, 1987,3. License number 20-19842-02G is amended in  
its entirety to read as follows:

1. Analytical Marketing, Inc.

2. One Dundee Park  
Andover, Massachusetts 01810

4. Expiration date February 28, 1988

5. Docket or  
Reference No. 030-194426. Byproduct, source, and/or  
special nuclear material7. Chemical and/or physical  
form8. Maximum amount that licensee  
may possess at any one time  
under this licenseA. As specified in  
Condition 10A. As specified in  
Condition 10

A. Not applicable

9. Authorized use

A. Pursuant to Section 32.51, 10 CFR Part 32, the licensee is authorized to distribute the devices containing sealed sources specified in Condition 10 of this license to persons generally licensed pursuant to Section 31.5, 10 CFR Part 31 or equivalent provisions of the regulations of any Agreement State.

## CONDITIONS

10. Each device distributed under this license shall be in accordance with the following specifications:

<u>Oxford Analytical Device Model No.</u>	<u>Manufacturer and Source Model No.</u>	<u>Isotope</u>	<u>Maximum Activity per source (millicuries)</u>	<u>Leak Test Frequency (years)</u>
LAB-X100	Amersham Model IEC.L1	Iron 55	20	2
LAB-X200	Amersham Model CLCL	Curium 244	100	2
	Amersham Model CUC.D1	Cadmium 109	3	2
	Amersham Model IEC.1335	Iron 55	20	2
	Amersham Model PHX13132	Promethium 147	1,000	2
LAB-X320S	Amersham Model IEC.L1	Iron 55	20	2
	Amersham Model CUC.D1	Cadmium 109	3	2
LAB-X1001	Amersham Model IEC.L1	Iron 55	20	2
LAB-X1002	Amersham Models IEC.L1 and CUC.D1	Iron 55 Cadmium 109	20 3	2 2

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License number

20-19842-02G

Docket or Reference number

030-19442

Amendment No. 04

(10. continued)

## CONDITIONS

Oxford Analy- tical Device Model No.	Manufacturer and Source Model No.	Isotope	Maximum Activity per source (millicuries)	Leak Test Frequency (years)
LAB-X1004	Amersham Models IEC.L1 and CLCL	Iron 55 Curium 244	20 30	2 2
LAB-X1005	Amersham Model CUC.D1	Cadmium 109	3	2
LAB-X1006	Amersham Model CLCL	Curium 244	30	2
LAB-X1009	Amersham Model AMC.D2	Americium 241	10	2
LAB-X1011	Amersham Models IEC.L1 and AMC.D2	Iron 55 Americium 241	20 10	2 2
LAB-X2001	Amersham Model IEC.L1	Iron 55	20	2
LAB-X2002	Amersham Model IEC.L1 Amersham Model CUC.D1	Iron 55 Cadmium 109	20 3	2 2
LAB-X2004	Amersham Model IEC.L1 Amersham Model CLCL	Iron 55 Curium 244	20 100	2 2
LAB-X2005	Amersham Model CUC.D1	Cadmium 109	3	2
LAB-X2012	Amersham Model CLCL	Curium 244	100	2
LAB-X2013	Amersham Model PHX13132	Promethium 147	1,000	2
LAB-X2014	Amersham Model IEC.1335	Iron 55	20	2
LAB-X2015	Amersham Model AMCL Amersham Model AMC.D2	Americium 241 Americium 241	10 10	2 2

11. This license does not authorize possession or use of licensed material.
12. Each device distributed under this license shall bear a durable, clearly visible and legible label as described in licensee's letter dated April 22, 1987.

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(Continued)

## CONDITIONS

13. Except as specifically provided otherwise in 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 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. Letter dated September 30, 1981
- B. Letter dated December 17, 1981
- C. Letter dated March 19, 1982
- D. Letter dated July 16, 1982
- E. Letter dated August 24, 1982
- F. Letter dated September 7, 1982
- G. Application dated November 18, 1987
- H. Letter dated January 20, 1983
- I. Letter dated October 27, 1983
- J. Letter dated January 26, 1984
- K. Letter dated March 16, 1984
- L. Letter dated May 22, 1986
- M. Letter dated October 21, 1986
- N. Letter dated November 25, 1986
- O. Letter dated January 9, 1987
- P. Letter dated April 2, 1987
- Q. Letter dated April 3, 1987
- R. Letter dated April 22, 1987

For the U.S. Nuclear Regulatory Commission

Original Signed By  
Jack Davis

By

Nuclear Materials Safety and  
Safeguards Branch, Region I  
King of Prussia, Pennsylvania 19406

Date

15 JUL 1987