NRC Form 374A (5-84)

U.S. NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number: SNM-7

Docket or Reference number: 070-00008

Amendment No. 11

OPTIONAL FORM 99 (7-90)

FAX TRANSMITTAL

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To: Paul Jensen
Dept./Agency:
Fax #: 614-424-5263

From: Kevin Null
Phone #:
Fax #:

NSN 7540-01-317-7368 5099-101 GENERAL SERVICES ADMINISTRATION

Battelle Columbus Division
505 King Avenue
Columbus, OH 43201-2693

In accordance with letter dated July 6, 1995, License Number SNM-7 is amended as follows:

Items 6., 7., and 8. are amended to add:

West Jefferson and King Avenue sites

JJ. Nickel-63	JJ. Sealed sources registered pursuant to 10 CFR 32.210 and incorporated into gas chromatograph and/or aerosol/airborne contaminant gas and vapor detector as specified in Item 10.	JJ. 600 millicuries total. No single source to exceed 40 millicuries
KK. Americium-241	KK. Sealed sources registered pursuant to 10 CFR 32.210 and incorporated into gas chromatograph and/or aerosol/airborne contaminant gas and vapor detector as specified in Item 10.	KK. 500 millicuries total. No single source to exceed 50 millicuries

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LL. Hydrogen-3	LL. Titanium tritide sources registered pursuant to 10 CFR 32.210 and incorporated into gas chromatograph and/or aerosol/airborne contaminant gas and vapor detector as specified in Item 10.	JJ. 3 curies total. No single source to exceed 200 millicuries
MM. Americium-241	MM. Sealed sources registered pursuant to 10 CFR 32.210 and incorporated into gauging devices as specified in Item 10.	MM. 400 millicuries total. No single source to exceed 100 millicuries
NN. Cesium-137	NN. Sealed sources registered pursuant to 10 CFR 32.210 and incorporated into gauging devices as specified in Item 10.	NN. 200 millicuries total. No single source to exceed 50 millicuries

Conditions 9. and 10. are amended to add:

9. E. Licensed material listed in Subitems JJ., KK., LL., MM. and NN. may be used at Battelle Columbus, King Avenue and West Jefferson sites and at temporary job sites of the license any where in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.

10. Authorized Use:

1. Subitems JJ., KK., and LL. of Items 6., 7. and 8 are for use in compatible gas chromatograph devices and or aerosol/airborne contaminant gas and vapor devices which have been registered pursuant to 10 CFR 32.210 and distributed in accordance with an NRC or Agreement State specific license to persons specifically licensed by the NRC to receive, possess and use the devices.

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2. Items MM. and NN. are for use in compatible moisture/density gauges which have been registered pursuant to 10 CFR 32.210 and distributed in accordance with an NRC or Agreement State specific license to persons specifically licensed by the NRC to receive, possess and use the devices.

Condition 30. is amended to read:

30. A. The Radiation Safety Officer for this license is Stephen J. Layendecker.

B. The Alternate Radiation Safety Officer for this license is Craig Jensen.

Condition 10.a. is amended to read:

a. For use in accordance with statements, representation and conditions contained in the following portions of the licensee's application for renewal (BCL Document 1081) submitted by letter dated October 23, 1981, except as may be modified by the conditions of this license:

1. Pages vi through xi, Introduction;
2. Part I, Licensed Conditions;
3. Appendix A, Radiological Safety Committee Charter; and
4. Letters dated June 29, 1994, August 19, 1994, July 6, 1995 (excluding Item 1.) and August 3, 1995 (excluding Item 1).

Condition 31. is added:

31. A. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as specified by the certificate of registration referred to in 10 CFR 32.210.

B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.

C. In the absence of a certificate from a transferor indicating that a leak test has been made within 6 months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.

D. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.

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E. Sealed sources need not be leak tested if:

(i) they contain only hydrogen-3; or

(ii) they contain only a radioactive gas; or

(iii) the half-life of the isotope is 30 days or less; or

(iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or

(v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

F. The leak test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(b)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region III, ATTN: Chief, Nuclear Materials Safety Branch, 801 Warrenville Road, Lisle, Illinois 60532-4351. The report shall specify the source involved, the test results, and corrective action taken.

G. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically licensed by the Commission or an Agreement State to Perform such services.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date 9/1/95

By K. G. N. II
Materials Licensing Section, Region III