

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License number

37-16144-01

Docket or Reference number

030-10490

Amendment No. 03

**"OFFICIAL RECORD COPY"**Messiah College  
Grantham, Pennsylvania 17027

In accordance with letters dated April 11, 1985 and June 4, 1985, License No. 37-16144-01 is amended as follows:

Items 6., 7., 8. and 9. are amended to read:

- |   |  |  |
|---|--|--|
| 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 |
| 6. A. Nickel 63                                       | 7. Foil contained in Tracor model #1110192001 electron capture detector cell | 8. Not to exceed 15 millicuries per foil                                       |

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Authorized use

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9. To be used in Micro Tek Model MT220 Gas Chromatographs for the teaching and training of students.

Conditions 15. and 16. are amended to read:

15. A. Each chromatograph detector containing Nickel 63 shall be tested for leakage and/or contamination at intervals not to exceed three years. In the absence of a certificate from a transferor indicating that a test has been made within three years prior to the transfer, a detector received from another person shall not be put into use until tested.
- B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the surfaces of the device in which the foil is mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.
- C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the foil from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within 5 days of the test with the U.S. Nuclear Regulatory Commission, Region I, 631 Park Avenue, King of Prussia, Pennsylvania 19406, describing the equipment involved, the test results, and the corrective action taken.
- D. The licensee is authorized to collect leak test samples in accordance with the procedures described in the licensee's dated October 31, 1984 for analysis by Tracor, Inc.. Alternatively, leak test samples may be collected and/or analyzed by other persons specifically authorized by the Commission or an Agreement State to perform such services.

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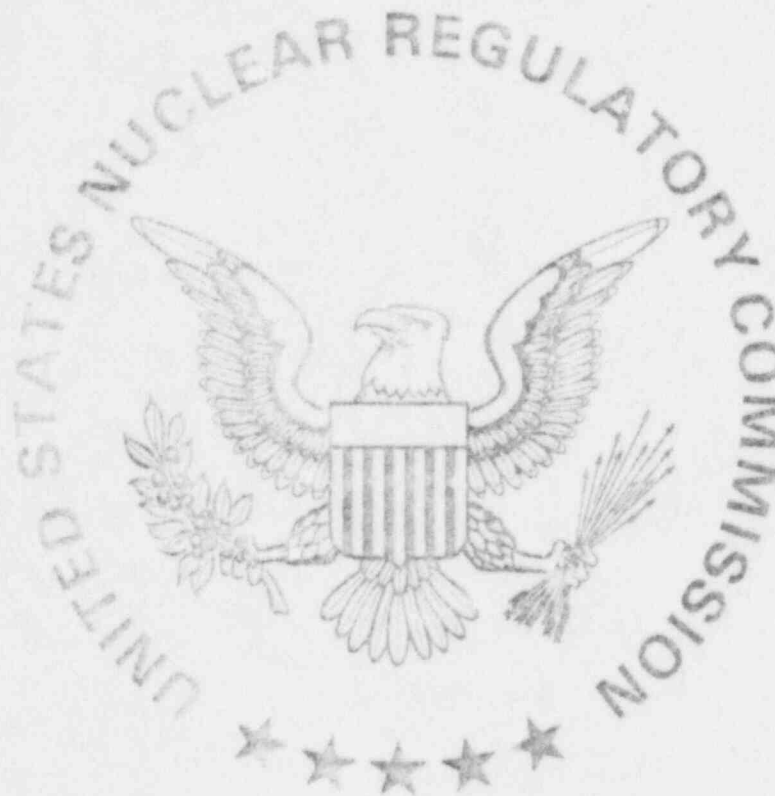
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(continued)

16. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in applications dated March 26, 1979 and July 11, 1984 and letters dated June 12, 1979, October 2, 1984, October 31, 1984, April 11, 1985 and June 4, 1985. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.



For the U.S. Nuclear Regulatory Commission

Original Signed By:

John E. Glenn

By

Date JUN 28 1985

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