

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

29-03829-01

Docket or Reference number

030-05300

Amendment No. 16

Matheson Gas Products, Inc.
P.O. Box 85
932 Paterson Plank Road
East Rutherford, New Jersey 07073

"OFFICIAL RECORD COPY"

In accordance with letter dated March 27, 1985, License Number 29-03829-01 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 |
| A. Hydrogen 3 | A. Foils in Ionics Research Corporation Model 200 detector cells | A. Not to exceed 250 millicuries per foil |
| B. Nickel 63 | B. Foils in Tracor Model 114800-3201 detector cells | B. Not to exceed 15 millicuries per foil |
| C. Nickel 63 | C. Foils in Tracor Model 115500 detector cells | C. Not to exceed 20 millicuries per foil |

9. Authorized use

- A. For use in Amtek Instruments Corp. Model 320 gas chromatographs for sample analysis.
B. and C. For use in Tracor, Inc. Model 560 gas chromatographs for sample analysis.

Conditions 10. and 16. are amended to read:

10. Licensed material listed as Subitem 6.A. shall be used at 61 Grove Street, Gloucester, Massachusetts. Licensed material listed as Subitems 6.B. and 6.C. shall be used at 932 Paterson Plank Road, East Rutherford, New Jersey.
16. A. Each chromatograph detector containing Nickel 63 shall be tested for leakage and/or contamination at intervals not to exceed six months. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a detector received from another person shall not be put into use until tested.
- B. Notwithstanding the periodic leak test required by this condition, foils in Tracor Model 115500 detector cells shall be tested for leakage and/or contamination at intervals not to exceed three years.
- C. 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.

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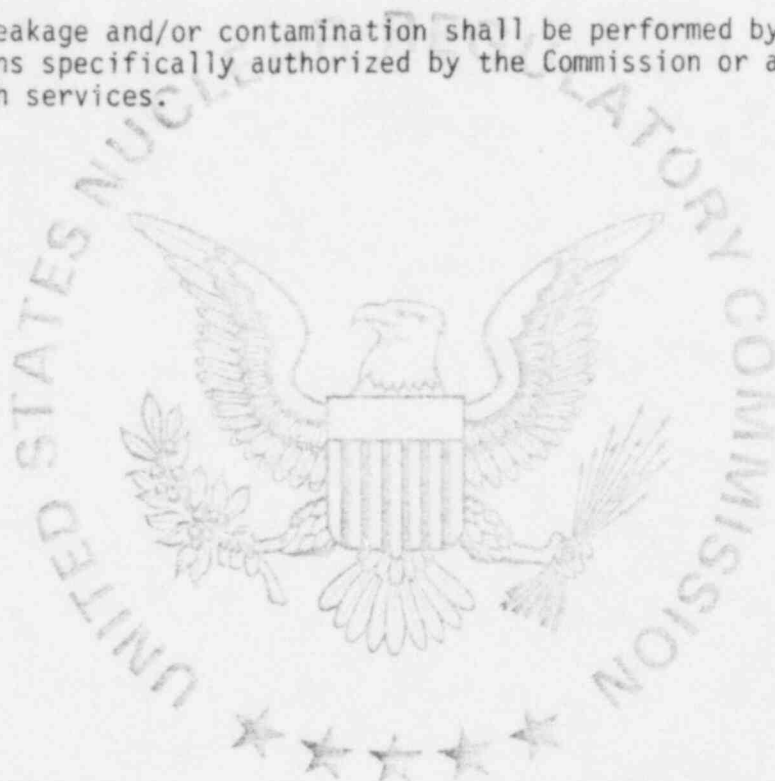
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(16. continued)

- D. 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.
- E. Tests for leakage and/or contamination shall be performed by the licensee or by other persons specifically authorized by the Commission or an Agreement State to perform such services.



For the U.S. Nuclear Regulatory Commission

Date AUG 15 1985

Original Signed By:
By John E. Glenn
Nuclear Materials Safety and
Safeguards Branch, Region I
King of Prussia, Pennsylvania 19406