

ATOMIC ENERGY COMMISSION
BYPRODUCT MATERIAL LICENSE

2 Page

Supplementary Sheet

License Number 34-16786-01

Amendment No. 01

(03011641)

Ohio Valley Testing Laboratory,
Incorporated
P. O. Box 507
121 Third Street
Marietta, Ohio 44750

K VII

-att'd

In accordance with application dated May 3, 1979, License Number 34-16786-01 is amended as follows:

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

| 6. Byproduct material (element and mass number) | 7. Chemical and/or physical form | 8. Maximum amount of radioactivity which licensee may possess at any one time |
|--|--|---|
| a. ^{137}Cs | a. Sealed source (Technical Spec. No. 1-1111) | a. 10 single sources to exceed 10 millicuries |
| b. ^{60}Co | b. Sealed source (Technical Spec. No. 1-1111) | b. 10 single sources to exceed 10 millicuries |

9. The licensee shall maintain records of the individuals who have been authorized users.

Items 10. and 11. are amended to read:

10. Licensee material shall be used by or under the supervision of and in the physical presence of individuals who have attended the device manufacturer's Training Course or equivalent, and who have been certified by the licensee's Radiation Protection Officer. The licensee shall maintain records of the individuals who have been authorized users.

11. Except as specifically provided otherwise by this license, the licensee shall comply with the licensed material described in Items 6, 7, and 8 of this license and with statements, representations, and procedures contained in the license dated October 14, 1977 and June 1, 1979.

1/11

1/11

8106090 628

100-100A
10-76

NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE

Supplementary Sheet

Page 2 of 2 Pages

License Number 34-16736-01

Docket or
Reference No. _____

Amendment No. 01

Section 17.1.1 added:

Maintenance, repair and initial radiation survey of devices containing licensed material and installation, replacement, and disposal of sealed sources containing licensed material used in devices shall be performed only by the manufacturer or by other persons specifically authorized by the Commission or an Agreement State to perform such services.

UN 0 1979

For the U.S. Nuclear Regulatory Commission

JOHN W. COOPER, President

by _____

Division of Fuel Cycle and
Material Safety
Washington, D.C. 20555

JUN 18 1979

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-433) and Title 10, Code of Federal Regulations, Chapter 1, Parts 30, 31, 32, 33, 34, 35, 36, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to have, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purposes 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); and to import such byproduct and source material. This license shall be deemed to contain the conditions specified in Section 163 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 | | |
| Ohio Valley Testing Laboratory, Inc. | | 3. License number 34-16726-01 <i>23011641</i> |
| P. O. Box 93 Marietta, Ohio 45750 | | 4. Expiration date November 30, 1980 |
| | | 5. Docket or 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. Cesium 137 | A. Sealed sources (Troxler Drawing A-102112) | A. 2 sources not to exceed 8 millicuries each |
| B. Americium 241; Beryllium | B. Sealed sources (Troxler Drawing A-102113 or A-102451) | B. 3 sources not to exceed 60 millicuries for Dwg. A-102113 or 30 millicuries for Dwg. A-102451 |
| 9. Authorized use | | |
| A. and B. To be used in Troxler Electronic Laboratories, Inc., moisture and surface density gauges. | | |

CONDITIONS

1. Licensed material shall be used only at 120 Third Street, Marietta, Ohio, and at temporary job sites of the licensee in the States of Ohio and West Virginia.
2. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."
3. Licensed material shall be used by, or under the supervision of, Charles R. Clough, Robert Pugh, James Sennett, Robert Lewis, or Jerry Beardmore.

For the U. S. Nuclear Regulatory Commission

Materials Branch

by

Division of Materials and Fuel Cycle
Facility Licensing
Washington, D. C. 20555

4 1975

CON. 171083

Docket or
Reference No. _____

(continued)

13. A. Each sealed source containing licensed material, other than Hydrogen 3, with a half-life greater than thirty days and in any form other than gas 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 sealed source 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 sealed source or from the surfaces of the device in which the sealed source is permanently 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 sealed source 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, P.O. Box 111, Office of Inspection and Enforcement, 700 Roosevelt Road, Glen Ridge, Illinois 60022, describing the incident involved, the test results, and the corrective action taken.
- D. 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.
- E. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.
- F. A licensee may transport licensed material or deliver licensed material to a carrier for transport, in accordance with the provisions of Section 71.1, Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Material for Transport".

For the U. S. Nuclear Regulatory Commission

Materials Branch

by _____

Division of Materials and Fuel Cycle
Facility Licensing
Washington, D. C. 20555

(continued)

Docket or
Reference No. _____

10. 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 application dated October 14, 1975.

For the U. S. Nuclear Regulatory Commission

by Materials Branch

Division of Materials and Fuel Cycle
Facility Licensing
Washington, D. C. 20555

1975

**U. S. NUCLEAR REGULATORY COMMISSION
MATERIALS LICENSE**

Page 1 of 2 Pages

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 1, Parts 30, 31, 32, 33, 34, 35, 36, 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 purposes 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), and to import such byproduct and source material. 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.

| | | |
|---|--|--|
| <p align="center">Licensee</p> <p>1. Mid-Eastern GeoTech, Inc. 2. P. O. Box 247 Williamstown, West Virginia 26187</p> | | <p><i>New license</i> KVII 8/81</p> <p>3. License number 47-19281-02</p> <p>4. Expiration date January 31, 1986</p> <p>5. Docket on Reference No. 70-17893</p> |
| <p>6. Byproduct, source, and/or special nuclear material:</p> <p>A. Cesium 137 B. Americium 241</p> | <p>7. Chemical and/or physical form</p> <p>A. Sealed sources (Troxler Dwg. A-102412) B. Sealed sources (Troxler Dwg. A-102431)</p> | <p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. Not to exceed 10 milli-curies per source B. Not to exceed 50 milli-curies per source</p> |
| <p>9. Authorized use</p> <p>A. and B. For use in Troxler Model 3401, 3401B, 3411 and 3411B gauges to measure properties of materials.</p> | | |

CONDITIONS

- Licensed material may be used at 120 Third Street, Marietta, Ohio and at temporary job sites of the licensee anywhere in the United States where the U. S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.
- The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."

8103030020

U. S. NUCLEAR REGULATORY COMMISSION
MATERIALS LICENSE

Page 2 of 3 Pages

Supplementary Sheet

License Number 47-19281-02

CONDITIONS

Docket or
Reference No. _____

(continued)

12. Licensed material shall be used by, or under the supervision and in the physical presence of, Robert D. Lewis, Steven J. Moodie, James R. Bennett, Daniel C. Rinard, John Rake, or Charles R. Clough.
13. Sealed sources containing licensed material shall not be opened or removed from the portable moisture/density gauges by the licensee.
14. A. (1) Each sealed source containing licensed material, other than Hydrogen 3, with a half-life greater than thirty days and in any form other than gas 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 sealed source received from another person shall not be put into use until tested.
(2) The periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.
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 sealed source or from the surfaces of the device in which the sealed source is permanently 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 sealed source 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 II, Office of Inspection and Enforcement, 101 Marietta Street, Suite 3100, Atlanta, Georgia 30303, describing the equipment involved, the test results, and the corrective action taken.
D. 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.

U. S. NUCLEAR REGULATORY COMMISSION

Page 3 of 3 Pages

MATERIALS LICENSE

Supplementary Sheet

CONDITIONS

License Number 47-19281-01

Docket or
Reference No. _____

(continued)

14. Sealed sources containing licensed material shall not be opened or removed from the portable moisture/density gauges by the licensee.
15. The licensee shall conduct a physical inventory every six (6) months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for two (2) years from the date of the inventory for inspection by the Commission, and shall include the quantities and kinds of byproduct material, location of sealed sources, and the date of the inventory.
16. The licensee may transport licensed material or deliver licensed material to a carrier for transport in accordance with the provisions of Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Material for Transport and Transportation of Radioactive Material Under Certain Conditions."
17. 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 application dated January 22, 1980 as amended by letter dated March 19, 1980. 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.

APR 23 1980

Date _____

For the U. S. Nuclear Regulatory Commission

JAMES J. [Signature]

by Material Licensing Branch

Division of Fuel Cycle and
Material Safety
Washington, D.C. 20555

8005130340

Page 1 of 3 Pages

U. S. NUCLEAR REGULATORY COMMISSION
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, 40 and 72, 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 purposes and at the places designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s); and to import such byproduct and source material. 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 | | K, VII, 0000 |
| 1. Mid-Eastern GeoTech, Inc. | | 3. License number 47-19281-01 |
| 2. 214 13th Street, Altizer Huntington, West Virginia 25705 | | 4. Expiration date April 30, 1985 |
| | | 5. Docket or Reference No. 30-17261 |
| 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. Cesium 137 | A. Sealed sources (Troxler Dwg. A-102112) | A. Not to exceed 10 milli- curies per source |
| B. Americium 241 | B. Sealed sources (Troxler Dwg. A-102451) | B. Not to exceed 50 milli- curies per source |
| C. Cesium 137/ americium 241 | C. Combined sealed sources (Troxler Model 100281, Rev.B) | C. Not to exceed 10 milli- curies of cesium 137 and 50 millicuries of americium 241 per source |
| 9. Authorized use | | |
| A. and B. For use in Troxler Model 3401, 3401B, 3411 or 3411B gauges to measure properties of materials. | | |
| C. For use in Troxler Model 2401, 2402, 2451 or 2452 gauges to measure properties of materials. | | |

CONDITIONS

10. Licensed material shall be used only at temporary job sites of the licensee anywhere in the United States where the Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material. Licensed material may be stored at 214 13th Street, Altizer, Huntington, West Virginia.

U. S. NUCLEAR REGULATORY COMMISSION

Page 2 of 3 Pages

MATERIALS LICENSE

Supplementary Sheet

License Number 47-19281-01

CONDITIONS

Docket or
Reference No. _____

(continued)

11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."
12. Licensed material shall be used by, or under the supervision and in the physical presence of, James Bennett, Marc Brennen, Robert Lewis, Charles Ray Clough, or Steve Moodie.
13. A. (1) Each sealed source containing licensed material, other than Hydrogen 3, with a half-life greater than thirty days and in any form other than gas 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 sealed source received from another person shall not be put into use until tested.
(2) The periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six months prior to the date of use or transfer.
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 sealed source or from the surfaces of the device in which the sealed source is permanently 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 sealed source 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 II, Office of Inspection and Enforcement, 101 Marietta Street, Suite 3100, Atlanta, Georgia 30303, describing the equipment involved, the test results, and the corrective action taken.
D. 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.

U. S. NUCLEAR REGULATORY COMMISSION

Page 3 of 3 Pages

MATERIALS LICENSE

Supplementary Sheet

License Number 47-19281-02

CONDITIONS

Docket or
Reference No. _____

(continued)

15. The licensee shall conduct a physical inventory every six (6) months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for two (2) years from the date of the inventory for inspection by the Commission, and shall include the quantities and kinds of byproduct material, location of sealed sources, and the date of the inventory.
16. The licensee may transport licensed material or deliver licensed material to a carrier for transport in accordance with the provisions of Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Material for Transport and Transportation of Radioactive Material Under Certain Conditions."
17. 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 application dated October 9, 1980. 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.

JAN 15 1981

Date _____

For the U. S. Nuclear Regulatory Commission

Material Licensing Branch

by _____

Division of Fuel Cycle and
Material Safety
Washington, D.C. 20545