

706 North State Street  
St. Ignace, Michigan 49781  
Phone: (906) 643-7333  
TDD Relay: 1-800-649-3777  
Fax: (906) 643-7606  
E-mail: mcrc@sault.com



COMMISSIONERS  
Thomas Doty, Cedarville  
Lester Livermore, Engadine  
Frank Luepnitz, Moran

Dirk Heckman, Engineer/Manager  
Vicki Hough, Clerk

March 24, 2010

Materials Licensing Section  
U. S. Nuclear Regulatory Commission, Region III  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

RE: License # 21-32487-01

Dear Sir/Madam:

Attached, please find NRC Form 314, Certification of Disposition of Materials and its attachment, page 1.

The Mackinac County Road Commission has transferred (sold) the Troxler 3450 Nuclear Gauge to R. S. Scott Associates, Inc. of Michigan. Please also find attached a copy of their License.

Please also find attached a copy of the last leak test dated October, 2009. There has been no leakage during our entire ownership of this gauge.

The Mackinac County Road Commission would like to terminate our License #21-32487-01.

If you need any further information, please don't hesitate to call me in our offices at (906)-643-7333.

Sincerely,

A handwritten signature in black ink that reads "Vicki Hough". The signature is written in a cursive, flowing style.

Vicki Hough  
Clerk/Technical Assistant  
Mackinac County Road Commission

enc

RECEIVED MAR 30 2010

### CERTIFICATE OF DISPOSITION OF MATERIALS

Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to [infocollects@nrc.gov](mailto:infocollects@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0028), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

LICENSEE NAME AND ADDRESS  
**Mackinac County Road Commission**  
**706 North State Street**  
**St. Ignace, MI 49781**

LICENSE NUMBER <b>21-32487-01</b>	DOCKET NUMBER <b>030-36483</b>
LICENSE EXPIRATION DATE <b>02/28/2014</b>	

**A. LICENSE STATUS (Check the appropriate box)**  
 This license has expired.  This license has not yet expired; please terminate it.

**B. DISPOSAL OF RADIOACTIVE MATERIAL**  
(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)

The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

- 1. No radioactive materials have ever been procured or possessed by the licensee under this license.
- 2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner:
  - a. Transfer of radioactive materials to the licensee listed below:  
**See attached information sheet for full information**
  - b. Disposal of radioactive materials:
    - 1. Directly by the licensee:
    - 2. By licensed disposal site:
    - 3. By waste contractor:
- c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

**C. SURVEYS PERFORMED AND REPORTED**

- 1. A radiation survey was conducted by the licensee. The survey confirms:
  - a. the absence of licensed radioactive materials
  - b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.
- 2. A copy of the radiation survey results:
  - a. is attached; or  b. is not attached (Provide explanation); or  c. was forwarded to NRC on: \_\_\_\_\_ Date
- 3. A radiation survey is not required as only sealed sources were ever possessed under this license, and
  - a. The results of the latest leak test are attached; and/or
  - b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form:

NAME <b>Vicki Hough</b>	TITLE <b>Clerk/Technical Assistant</b>	TELEPHONE (Include Area Code) <b>(906) 643-7333</b>	E-MAIL ADDRESS <b>mcrc@sault.co</b>
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Mail all future correspondence regarding this license to:  
**706 North State Street, St. Ignace, MI 49781**

**C. CERTIFYING OFFICIAL**  
**I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT**

PRINTED NAME AND TITLE <b>Dirk Heckman, Engineer/Manager</b>	SIGNATURE 	DATE <b>03/24/2010</b>
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**WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.**

NRC FORM 314

Mackinac County Road Commission  
706 North State Street  
St. Ignace, MI 49781  
License # 21-32487-01

ATTACHMENT, PAGE 1

Section B, Item 2.a.

Transferred on March 23, 2010 to:  
R. S. Scott Associates, Inc.  
405 River Street  
Alpena, MI 49707

Attn: Daniel Ryerson  
(989) 354-3178

U.S. Nuclear Regulatory Commission Material License # 21-18504-01  
Docket # 030-13803

**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, 39, 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.

Licensee	In accordance with <b>letter</b> dated <b>August 19, 2009,</b>
1. R. S. Scott Associates, Inc.	3. License number 21-18504-01 is <b>amended</b> in its entirety to read as follows:
2. 405 River Street Alpena, MI 49707	4. Expiration date May 31, 2018
	5. Docket No. 030-13803 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 source (Troxler Electronic Laboratories drawing No. A-102112)	A. 10 sources not to exceed 9 millicuries each
B. Americium-241	B. Sealed source (Troxler Electronic laboratories drawing No. A-102451)	B. 10 sources not to exceed 44 millicuries each

9. Authorized use
- A. and B. To be used in Troxler Model 3400 Series portable gauges for measuring physical properties of materials.

CONDITIONS

10. Licensed material may be used or stored at the licensee's facilities located at 405 River Street, Alpena, Michigan, and may be used 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.
11. The Radiation Safety Officer (RSO) for this license is **Daniel Ryerson**.
12. Licensed material shall only be used by, or under the supervision and in the physical presence of, individuals who have received the training described in facsimile dated May 19, 2008.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
21-18504-01Docket or Reference Number  
030-13803

Amendment No. 18

13. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by NRC under 10 CFR 32.210 or by an Agreement State.
- B. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by NRC under 10 CFR 32.210 or by an Agreement State prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
- C. Sealed sources need not be tested if they 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 shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- D. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.
- E. Tests for leakage and/or contamination shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services. In addition, the licensee is authorized to collect leak test samples but not perform the analysis: analysis of leak samples must be performed by persons specifically licensed by the Commission or an Agreement State to perform such services. Sealed sources or source rods containing licensed material shall not be opened or sources removed or detached from source rods or gauges by the licensee, except as specifically authorized.
14. Except for maintaining labeling as required by 10 CFR Part 20 or 71, the licensee shall obtain authorization from NRC before making any changes in the sealed source, device, or source-device combination that would alter the description or specifications as indicated in the respective Certificates of Registration issued either by the Commission pursuant to 10 CFR 32.210 or by an Agreement State.
15. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by NRC, to account for all sources and/or devices received and possessed under the license.
16. The licensee is authorized to transport licensed material only in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
17. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number  
21-18504-01

Docket or Reference Number  
030-13803

Amendment No. 18

18. Each portable nuclear gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport. A minimum of two independent physical controls that form tangible barriers to secure portable gauges from unauthorized removal whenever the portable gauge is not under the control and constant surveillance of the licensee are required.
19. Any cleaning, maintenance, or repair of the gauges that requires detaching the source or source rod from the gauge shall be performed only by the manufacturer or other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
20. A. If the licensee uses unshielded sealed sources extended more than 3 feet below the surface, the licensee shall use surface casing that extends from the lowest depth to 12 inches above the surface and other appropriate procedures to reduce the probability of the source or probe becoming lodged below the surface. If it is not feasible to extend the casing 12 inches above the surface, the licensee shall implement procedures to ensure that the cased hole is free of obstruction before making measurements.
- B. If a sealed source or a probe containing sealed sources becomes lodged below the surface and it becomes apparent that efforts to recover the sealed source or probe may not be successful, the licensee shall notify the U. S. Nuclear Regulatory Commission and submit the report required by 10 CFR 30.50(b)(2) and (c). The licensee shall not abandon the sealed source or probe without obtaining the Commission's prior written consent.
21. 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. Facsimile dated May 19, 2008.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date OCT 02 2009

By James R. Mullauer  
James R. Mullauer, M.H.S.  
Materials Licensing Branch  
Region III



Troxler Electronic Laboratories, Inc.

3008 Cornwallis Rd., P.O. Box 12057

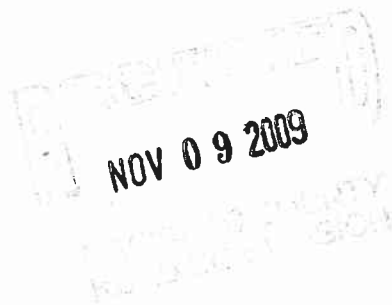
Research Triangle Park, NC 27709

Tel: (877) 876-9537 Fax: (866) 391-2759

License: NC 032-0182-1

VICKI HOUGH
MACKINAC CTY ROAD COMM.
706 NORTH STATE STREET
ST. IGNACE, MI 49781

Cust ID: 6530



LEAK TEST CERTIFICATE

DEVICE:

Model: 3450

Serial No: 838

SEALED SOURCES:

Table with 5 columns: Serial No., Measure Date, Nuclide, GBq, mCi. Rows include sources 751-769 (CS-137) and 78-166 (AM-241:BE).

LEAK TEST ANALYSIS:

Sample collected on: 10/26/2009

Sample analyzed on: 10/30/2009 at 10:03:00 AM

Analyzed by: T. Pjura

Table with 3 columns: Measurement Type, ALPHA, BETA-GAMMA. Rows include Conversion factor, Background measurement, Sample measurement, Activity, and Min. Detectable Activity.

This certifies that the leak test results are:

[X] Less than 185 Bq (0.005 uCi)

[ ] Greater than 185 Bq (0.005 uCi)



**MACKINAC COUNTY ROAD COMMISSION**

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