

NRC FORM 314

(02-2017)

10 CFR 30.36(j)(1);
40.42(j)(1); 70.38(j)(1);
and 72.54(k)(5)(1)(i)

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0028

EXPIRES: 02/29/2020

**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 FOIA, Privacy, and Information Collections Branch (7-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to Infocoll@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NE08-10202, (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

Grand Traverse County Road Commission
1881 Lafranier Road
Traverse City, Mi. 49696

LICENSE NUMBER

21-26705-01

DOCKET NUMBER

030-34087

LICENSE EXPIRATION DATE

September 30, 2021

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:
Gosling Czubak Engineering Sciences, Inc. 1280 Bussiness Park Dr. Traverse City, Mi. 49684 License No. 21-18491-01
- ☐ 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	TITLE	TELEPHONE (Include Area Code)	E-MAIL ADDRESS
Keith Moore	RSO, Senior Engineering Tech	231-922-4848 Ex 211	kmoore@gtcr.org

Mail all future correspondence regarding this license to:

Grand Traverse County Road Commission, 1881 Lafranier Road, Traverse City, Mi. 49696

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

PRINTED NAME AND TITLE	SIGNATURE	DATE
Keith Moore, RSO		4/11/2017

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.

**Troxler Electronic Laboratories, Inc.**

3006 Cornwallis Rd., P.O. Box 12057

Research Triangle Park, NC 27709

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

License: NC 032-0182-1

Keith Moore
GRAND TRAVERSE COUNTY ROAD COMMIS
1881 LAFRANIER ROAD
TRAVERSE CITY, MI 49686

Cust ID: 5586

LEAK TEST CERTIFICATE

DEVICE:

Model: 3440

Serial No: 26926

SEALED SOURCES:

Serial No.	Measure Date	Nuclide	GBq	mCi
47-22305	11/17/1995	Am-241:Be	1.48	40
75-8912	01/24/1996	Cs-137	0.296	8

LEAK TEST ANALYSIS:

Sample collected on: 07/27/2016

Sample analyzed on: 08/01/2016 2:38:20 PM

Position: 41

Analyzed by: STW

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.24E+01	1.99E+01
Background measurement (cpm)	0	23
Sample measurement (cpm)	1	16
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	3.7E-01	1.3E+00

This certifies that the leak test results are:☒ Less than 185 Bq (0.005 uCi)☐ Greater than 185 Bq (0.005 uCi)

GAUGE TRANSFER/DISPOSAL FORM

This form can be used for recordkeeping or to notify the Agency of a portable nuclear gauge which is transferred or disposed of. A transfer sheet should be completed for every gauge that transfers out of the licensee's possession (sale, disposal or for service).

Transferor License Number: 21-26705-01 Telephone Number: 231-922-4848

License Name: GRAND TRAVERSE COUNTY ROAD COMMISSION

Address: 1881 LAFRANIER RD.
TRAVERSE CITY, MI 49696

Gauge/Transfer Information

Complete the following information for each gauge which is transferred or disposed. On the "TRANSFERRED TO:" line, indicate to whom the gauge was transferred, for what purpose (sold, disposed of, transfer to a different license, or for service/calibration). Receiver/transferee license must allow for additional gauges.

Manufacturer: TROXLER

Transferred To: GOSLING CZUBAK

Model number: 3440

Address: 1280 BUSINESS PARK DR.

Serial number: 25926

TRAVERSE CITY, 49696

Source serial #'s: 47-22305
75-8912

Date of Transfer: 4/10/17

Last leak test date: 7/27/2016

Reason for transfer SALE
Receiver license #/state: 21-18491-01

RSO/Official name: BERNARD JACOBSON

Signature: Bernard Jacobson

Transfer checklist: Gauge case is undamaged and labels are legible; Bill of Lading has been completed and attached to Emergency Information Sheet; Gauge inventory/gauge log has been adjusted; if gauge is damaged – disposal/service facility receiving the gauge has been notified in advance & proper transport case is used.

Note: Make sure that the receiver's license lists the exact type/model of gauge you are transferring. Likewise, assure that the receiver/transferee gauge limit has not been exceeded. If you are unsure, contact the receiver's regulatory agency.

Make copies for your records, for the receiver/transferee and for the agency. Keep copies of any other transfer documentation (Bill of Sale, shipping receipts, etc)

I certify that the above information is true and correct to the best of my knowledge.

Signature of transferor RSO or person authorized to act on behalf of licensee.

[Signature]
SIGNATURE

R.S.O
TITLE

4/10/17
DATE

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.

<p>Licensee</p> <p>1. Grand Traverse County Road Commission</p> <p>2. 1881 LaFranier Road Traverse City, MI 49686</p>	<p>In accordance with the letter dated December 17, 2013,</p> <p>3. License number 21-26705-01 is amended in its entirety to read as follows:</p> <p>4. Expiration date September 30, 2021</p> <p>5. Docket No. 030-34087 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Cesium-137</p> <p>B. Americium-241</p>	<p>7. Chemical and/or physical form</p> <p>A. Sealed source (Troxler drawing No. 102112)</p> <p>B. Sealed source (Troxler drawing No. 102451)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. One source not to exceed 9 millicuries.</p> <p>B. One source not to exceed 44 millicuries.</p>
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9. Authorized Use:

A. and B. To be used in a Troxler Model 3440 portable gauging device for measuring the properties of materials.

CONDITIONS

10. Licensed material may be stored and used at the licensee's facilities located at 1881 LaFranier Road, Traverse City, 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 for this license is Keith E. Moore.
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 application dated April 21, 2011.
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.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
21-26705-01Docket or Reference Number
030-34087**Amendment No. 05**

- 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. The licensee is authorized to collect leak test samples for analysis by Troxler Electronic Laboratories, Inc. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
- F. Records of leak test results shall be kept in units of microcuries and shall be maintained for 3 years.
14. Sealed sources or source rods containing licensed material shall not be opened or sources removed from source holders by the licensee.
15. 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.
16. 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.
17. 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."
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.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
21-26705-01Docket or Reference Number
030-34087**Amendment No. 05**

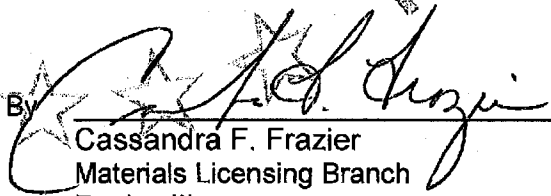
19. Any cleaning, maintenance, or repair of the gauges that requires detaching the source or source rod from the gauge shall be performed only by the manufacturer or other persons specifically licensed by the Commission or an Agreement State to perform such services.
20. Except as specifically provided 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 U.S. 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. Application dated April 21, 2011 (with attachment).
- B. Letter dated January 16, 2014.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date

FEB 27 2014

By


Cassandra F. Frazier
Materials Licensing Branch
Region III

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, 37, 39, 40, 70 and 71, 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 1. Gosling Czubak Engineering Sciences, Inc. 2. 1280 Business Park Drive Traverse City, MI 49684		In accordance with letter dated December 22, 2016, 3. License number: 21-18491-01 is amended in its entirety to read as follows:	4. Expiration Date: December 31, 2021 5. Docket No.: 030-14064 Reference No.:
6. Byproduct, source, and/or special nuclear material A. Cesium-137 B. Americium-241	7. Chemical and/or physical form A. Sealed Sources (AEA Technology/QSA, Inc., Model CDCW556; Isotope Product Laboratories, Model HEG-137) B. Sealed Sources (AEA Technology/QSA, Inc., Model AMNV.997; Isotope Product Laboratories, Model AmT.NO2)	8. Maximum amount that licensee may possess at any one time under this license A. 9 millicuries per source and 63 millicuries total B. 44 millicuries per source and 308 millicuries total	9. Authorized use A. For use in Troxler Electronic Labs, Inc. Model 3400 Series portable gauges for measuring physical properties of materials. B. For use in Troxler Electronic Labs, Inc. 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: 1. 1280 Business Park Drive, Traverse City, Michigan, 49686			

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
21-18491-01Docket or Reference Number
030-14064

Amendment No. 7

Licensed material may be used at temporary job sites anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material, including areas of exclusive Federal jurisdiction within Agreement States. If the jurisdiction status of a Federal facility within an Agreement State is unknown, the licensee should contact the Federal agency controlling the job site in question to determine whether the proposed job site is an area of exclusive Federal jurisdiction. Authorization for use of radioactive materials at job sites in Agreement States not under exclusive Federal jurisdiction shall be obtained from the appropriate state regulatory agency.

11. The Radiation Safety Officer (RSO) for this license is Bernie Jacobson.
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 the application dated June 3, 2011, and the letters dated November 18, 2011, and November 30, 2011.
13. A. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or by an Agreement State. In the absence of a registration certificate, sealed sources shall be tested for leakage and/or contamination at intervals not to exceed 6 months, or at such other intervals as specified.
- 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 the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or by an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.
- 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.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
21-18491-01Docket or Reference Number
030-14064

Amendment No. 7

- D. The leak test shall be capable of detecting the presence of 185 becquerels (0.005 microcuries) of radioactive material on the test sample. If the test reveals the presence of 185 becquerels (0.005 microcuries) 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. Analysis of leak test samples and/or contamination shall be performed by persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services. The licensee is authorized to collect leak test samples but not perform the analysis.
- F. Records of leak test results shall be kept in units of becquerels (microcuries) and shall be maintained for 3 years.
14. 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.
15. Except for maintaining labeling as required by 10 CFR Part 20, or Part 71, the licensee shall obtain authorization from the U.S. Nuclear Regulatory Commission 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 certificate of registration issued either by the U.S. Nuclear Regulatory Commission pursuant to 10 CFR 32.210 or by an Agreement State.
16. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sealed sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 3 years from the date of each inventory, and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.
17. 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 or storage, or when not under the direct surveillance of an authorized user.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

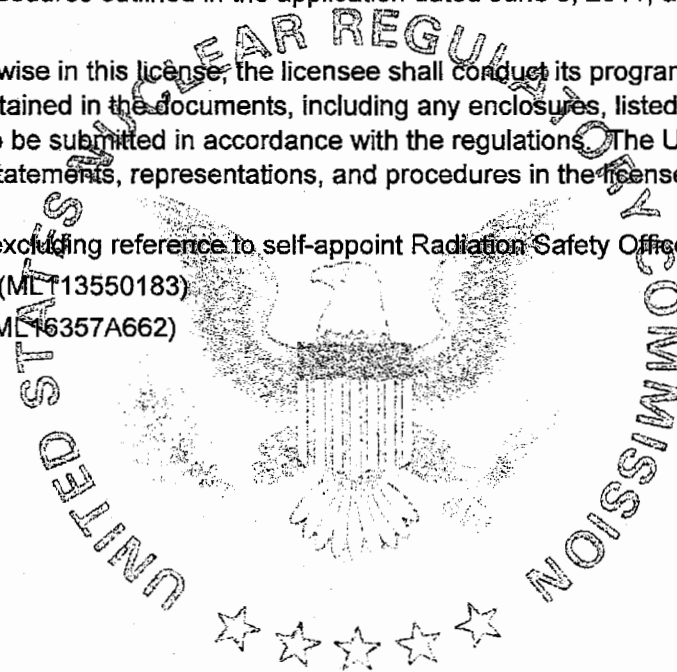
21-18491-01

Docket or Reference Number

030-14064

Amendment No. 7

18. Jeffrey H. Kowalski and Bernie Jacobson may detach the source rod from gauges for the purposes of cleaning, maintenance, or repair of the gauge(s), in accordance with procedures outlined in the application dated June 3, 2011, and the letter dated November 18, 2011.
19. 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. This license condition applies only to those procedures that are required to be submitted in accordance with the regulations. The U.S. 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. Application dated June 3, 2011 (excluding reference to self-appoint Radiation Safety Officers) (ML111580541)
 - B. Letter dated November 18, 2011 (ML113550183)
 - C. Letter date December 21, 2016 (ML16357A662)



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date: February 10, 2017By: Jennifer L. BishopJennifer L. Bishop
Region 3

Bishop, Jennifer

From: Keith Moore <KMoore@gtcrc.org>
Sent: Tuesday, April 11, 2017 1:43 PM
To: Bishop, Jennifer
Cc: Jim Johnson
Subject: [External_Sender] Request to cancel Troxler Nuclear Gauge License
Attachments: Cert of Disposition.pdf; Troxler Leak Test.pdf; Gauge Transfer Form.pdf; Gosling Czubak License.pdf; GTCRC License.pdf

Jennifer,

This email is being sent to request the cancellation of our current Nuclear Materials License.

The Grand Traverse County Road Commission possessed 1 (one) Troxler 3440 Nuclear Gauge, Serial No. 25926. On 4/10/2017, we sold this Troxler Gauge to Gosling Czubak Engineering Sciences. I have attached the Disposal/Transfer Form, along with a copy of Gosling Czubak's license, and our license. The most recent leak test is also included, along with the NRC Form 314.

Please call me with any questions regarding the provided information. If more information is needed, please contact me.

Thank you,

Keith Moore

Senior Engineering Technician
Grand Traverse County Road Commission
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