



MONROE COUNTY ROAD COMMISSION

840 S. Telegraph Road • Monroe, Michigan 48161 • Phone: (734) 240-5102 • Fax: (734) 240-5101

June 4, 2020

Nuclear Regulatory Commission, Region III
2443 Warrenville Road
Suite 210
Lisle, IL 60532-4352

Attention:
Patricia Pelke, Chief of Materials Licensing Branch
Division of Nuclear Materials Safety

Re: NRC Material License No. 21-18924-01

Dear Ms. Pelke:

This letter is a request to change the Radiation Safety Officer (RSO) at the Monroe County Road Commission. Please find the below information in order to proceed with the amending process.

Contact information for proposed RSO:

Ross A. Brown, BCM
Construction Engineering Specialist
Monroe County Road Commission
840 South Telegraph Road
Monroe, MI 48161
Office: 734-240-5139
Cell: 734-755-8279
Fax: 734-240-5101
Email: rbrown@mcrc-mi.org

Educational experience:

Associate of Applied Science in Construction Management Technology, Monroe County Community College 1999
Bachelor of Science in Construction Management, Eastern Michigan University, 2001

Radiation Training, copies attached:

Portable Gauge Safety Training
Troxler Hazmat Certification Training
Michigan Department of Transportation/Ferris State University, Density Technology Training

Delegation of Authority for Radiation Safety Officer, attached.

NRC Material License No. 21-18924-01, copy attached.

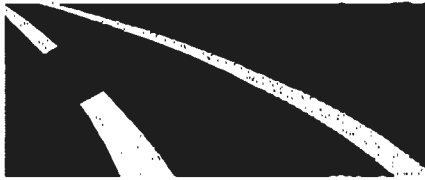
Sincerely,
MONROE COUNTY ROAD COMMISSION

Matthew Snell, P.E.

Matthew Snell, P.E.
Jun 4 2020 4:32 PM

Matthew J. Snell, PE
County Highway Engineer
Enclosure
cc: File

RECEIVED JUN 05 2020



MONROE COUNTY ROAD COMMISSION

840 S. Telegraph Road • Monroe, Michigan 48161 • Phone: (734) 240-5102 • Fax: (734) 240-5101

MEMORANDUM

TO: Ross A. Brown, BCM
Construction Engineering Specialist
Monroe County Road Commission

FROM: Matthew J. Snell, PE
County Highway Engineer
Monroe County Road Commission

DEPARTMENT: Engineering

COPY TO: Troxler Gauge Files

DATE: June 4, 2020

SUBJECT: Delegation of Authority for Radiation Safety Officer

You, Ross A. Brown, BCM, have been appointed Radiation Safety Officer (RSO) for the Monroe County Road Commission and are responsible for ensuring the following:

- Licensed activities that the RSO considers unsafe are stopped.
- Possession, use, storage, and maintenance of sources and gauges are consistent with the limitations of the license, the Sealed Source and Device Registration sheet(s), and manufacturer's recommendations and instructions.
- Individuals using gauges are properly trained.
- When necessary, personnel monitoring devices are used and exchanged at the proper intervals; records of the results of such monitoring are maintained.
- Gauges are properly secured.
- Proper authorities are notified in case of accident, damage to gauges, fire, or theft.
- Unusual occurrences involving the gauges (such as accident or damage) are investigated, root causes are identified, and appropriate corrective actions are taken.
- Audits are performed and documented at least annually and corrective actions are taken.
- Licensed material is transported in accordance with all applicable DOT requirements.
- Licensed material is disposed of properly.
- Appropriate records are maintained.
- Up-to-date license is maintained and amendment and renewal requests are submitted in a timely manner.

Matthew Snell, P.E. Matthew Snell, P.E.
 Jun 4 2020 4:31 PM

Matthew J. Snell, PE
 County Highway Engineer

I accept the above responsibilities,



 Ross A. Brown, BCM
 Construction Engineering Specialist

Portable Gauge Safety Training

Ross Brown

Has successfully completed training in accordance with policies set forth by the following rules and regulations governing portable nuclear moisture/density gauges and transportation requirements: NUREG 1556 and 49CFR subpart H and IATA 1.5.2.

A closed book examination was administered and a passing score was achieved. The person listed above has demonstrated a thorough understanding of all aspects needed for transportation, with specific emphasis placed on portable nuclear density gauges. This certificate is only valid if signed by a Radiation Safety Officer verifying that further hands on training will be conducted under direct supervision of an authorized user prior operating the gauge alone.

Subjects included in this course were: Radiological safety/principles, practices of radiation protection, leak-testing procedures, measurement of radioactivity, biological effect of radiation, incident, storage, ALARA, emergency procedures and security awareness.


RADIATION SAFETY OFFICER

Hazmat Certification

as required by U.S DOT and IATA

This certifies that

Ross Brown

has been trained and tested in accordance with the U.S. Department of Transportation and International Air Transport Association (IATA) hazardous material requirements for general awareness/familiarization, function-specific, safety and security awareness training as related to the transportation of nuclear gauges. A description of the training course materials is available from Troxler Electronic Laboratories, Inc.

Date Apr 10, 2019 Expires Apr 09, 2022

EMPLOYER CERTIFICATION

I certify that the hazmat employee identified on this certificate has been trained and tested as required by U.S. DOT Hazardous Material Regulations (49 CFR 172 Subpart H).

Signature Frank Westerkirchner Title Radiation Safety Officer Date April 12, 2019



Troxler Electronic Laboratories, Inc.
P.O. BOX 12057 - 3008 E. Cornwallis Road - Research Triangle Park, NC 27709
Phone: (919) 549-8661 - Fax: (919) 549-0761 - www.troxlerlabs.com

Jun. 5. 2020 8:50AM

No. 0185 P. 5

HEREBY CERTIFIES THAT

Ross A. Brown

Has demonstrated the ability and understanding of Density Technology, and is therefore qualified to perform the following tests:

- ◆ Density In-Place (Nuclear)
- ◆ One-Point Michigan Cone
- ◆ One Point T-99
- ◆ Michigan Modified T-180
- ◆ Speedy Moisture Gage (Clay and Granular)

EXPIRES: March 31, 2022

IDENTIFICATION NUMBER: 11326-0322

Richard J. Endres
 Richard Endres, P.E.
 Supervising Engineer
 Michigan Department of Transportation

David M. Gauthier
 David M. Gauthier, P.E. Construction
 Field Services Division Michigan
 Department of Transportation

Tom Larabel
 Thomas C. Larabel, Program Coordinator
 Institute for Construction Education and Training
 Ferris State University

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, 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 style="text-align: center;">Licensee</p> <p>1. Monroe County Road Commission</p> <p>2. 840 South Telegraph Road Monroe, MI 48161</p>	<p>In accordance with letter dated July 27, 2015,</p> <p>3. License number 21-18924-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date August 31, 2021</p> <hr/> <p>5. Docket No. 030-17361 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 sources registered either with NRC under 10 CFR 32.210 or with an Agreement State and incorporated in a compatible gauging device as specified in Item 9 of this license.</p> <p>B. Sealed sources registered either with NRC under 10 CFR 32.210 or with an Agreement State and incorporated in a compatible gauging device as specified in Item 9 of this license.</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 2 sources not to exceed 9 millicuries each.</p> <p>B. 2 sources not to exceed 44 millicuries each.</p>
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9. Authorized Use:
- A. and B. To be used in Troxler Electronic Laboratories Model 3400 series moisture/density gauges for measuring physical properties of materials.

CONDITIONS

10. Licensed material may be stored at the licensee's facilities located at 840 South Telegraph Road, Monroe, MI, and may be used at temporary job sites of the licensee throughout Monroe County, Michigan.
11. The Radiation Safety Officer for this license is Frank A. Westenkirchner, PE.

NRC FORM 374A

U.S. NUCLEAR REGULATORY COMMISSION

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
21-18924-01

Docket or Reference Number
030-17361

Amendment No. 10

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 4, 2011 and who have been designated by the Radiation Safety Officer.
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 the licensee or other 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 for analysis by persons specifically licensed by the Commission or an Agreement State to perform such services.
- F. Records of leak tests 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 or detached from source rods or gauges by the licensee, except as specifically authorized.
15. 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.
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."

NRC FORM 374A

U.S. NUCLEAR REGULATORY COMMISSION

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
21-18924-01

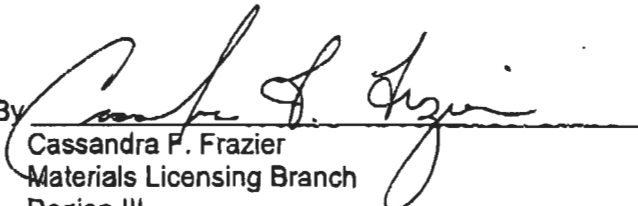
Docket or Reference Number
030-17361

Amendment No. 10

- 18. 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.
- 19. Any cleaning, maintenance, or repair of the gauge(s) that requires removal of the source rod shall be performed only by the manufacturer or by 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 14, 2011; and
 - B. Letter dated July 27, 2015.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date AUG 05 2015

By 
 Cassandra F. Frazier
 Materials Licensing Branch
 Region III