

FERRIS STATE UNIVERSITY

COLLEGE OF HEALTH PROFESSIONS
HEALTH ADMINISTRATION & HEALTH INFORMATION

May 20, 2022

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

To Whom It May Concern,

I am requesting an amendment to the Ferris State University NRC license, 21-15237-01 Item 11, regarding a Radiation Safety Officer (RSO) change from Brad McCormick to Sheila MacEachron, MS, CNMT effective August 13, 2022.

Sheila served as the RSO at Ferris State University from 1995 to 2000, and again from 2004 – 2005. She is listed as an Authorized User on the license.

Sheila's background is in Nuclear Medicine Technology. She has been a certified NMT since 1984 and has taught NMT courses since 1994. Topics include radiation physics, instrumentation, radiation protection, mathematics pertaining to use and measurement of radioactivity, radiation biology, radiation dosimetry, radiopharmacy, and clinical procedures.

She has training as well as experience in the following areas:

- Sealed source storage
- Sealed source handling
- Unsealed source procurement
- Unsealed source receipt and storage
- Unsealed source use and handling
- Radioactive spill procedures / decontamination
- Area surveys
- Wipe testing
- Radioactive waste disposal
- Personal protection and shielding
- Security of all sources

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Sheila is proficient in performing RSO duties including:

- Radiation surveys, including performing checks for proper operation of instruments
- Emergency response

200 Ferris Dr.
Big Rapids, MI 49307
Web: ferris.edu

License # 21-15237-01

- Decontamination
- Conducting sealed source inventory
- Leak testing
- Securing, controlling, and disposing of byproduct materials
- Processing radiation badges
- Analyzing radiation exposure reports
- Conducting audits / compliance visits
- Utilizing procedures to prevent or minimize radiation exposure or radioactive contamination
- Recordkeeping

Attached please find Sheila's certifications in Nuclear Gauge Training and Hazmat which were completed on April 22, 2022. The hands-on leak testing and practical skills for Nuclear Gauge training was completed on May 18, 2022.

Thank you for your consideration of this matter. I look forward to your response.

Sincerely,



Brad McCormick, RSO
Ferris State University
200 Ferris Drive, VFS 300
Big Rapids, MI 49307
231.591.2278
bradmccormick@ferris.edu (preferred contact)

Attachments

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License #21-15237-01

Hazmat Certification
as required by U.S DOT and IATA

This certifies that

Sheila MacEachron

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 22, 2022** Expires **Apr 21, 2025**

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 Beryl MacEachron Title RSO Date 05.18.2022



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

Nuclear Gauge Safety Certification

This certifies that

Sheila MacEachron

has successfully completed the official Troxler nuclear gauge user safety training course. This person was taught and demonstrated their knowledge of radiation safety and regulatory requirements associated with the use of portable nuclear density gauges on this date:

Apr 22, 2022

This certificate is not valid until signed by the licensee RSO.

I attest that the person named above, and no other, completed the online course and tests. I certify that the individual has completed practical skills training for setting up and making measurements, routine maintenance, packaging and transport, storage, and emergency procedures for portable nuclear gauges.

Licensee RSO

BRAD MCCORMICK
(Print Name)

RSO
Title

05.18.2022
Date

Troxler Online Training meets the requirements in Chapter 64E, Part XIII, Florida Administrative Code.



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Practical Skills Instruction for Nuclear Gauge Operators

In addition to completing the online training course in radiation safety and regulatory knowledge requirements, an individual must also receive hands-on training in the practical skills shown below in order to become certified as an authorized gauge operator. The hands-on training should be provided by the licensee's RSO or a certified gauge operator.

Setting up and making measurements

- Prepare site for direct transmission measurement and position gauge over hole
- Prepare backscatter measurement site and position the handle in the backscatter notch
- Unlock handle and lower source rod
- Maintain constant surveillance and control during gauge operations
- Return source rod to safe position and lock handle
- Verify shutter fully closed

Routine maintenance

- Disassemble sliding block
- Clean and lubricate of the sliding block using proper ALARA techniques to minimize radiation exposure
- Reassemble sliding block
- Clean the bottom surface of the gauge

Packaging and transporting the gauge

- Put gauge in shipping case
- Inspect shipping case
- Load shipping case in vehicle
- Secure the gauge using two independent physical controls
- Block and brace package against movement during transport
- Place shipping papers in designated location in vehicle

LEAK TEST
PROCEDURE

Storing the gauge

- Log the gauge in and out
- Secure the gauge storage area

Trainee:

Name (print) SHEILA MACEACHRON

Signature *Sheila Maceachron*

Date 05.18.2022

Trained by RSO or certified operator:

Name (print) DAVID FABER

Signature *David Faber*

Date 05.18.2022

Certified by licensee RSO:

Name (print) BRAD MCCORMICK

Signature *Brad McCormick*

Date 05.20.2022