

U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 10

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.

903121

575366

Licensee

1. Mathy Construction Company

2. 915 Commercial Court
Onalaska, WI 54650In accordance with the application dated
June 1, 2011,3. License number 48-18722-01 is renewed in its
entirety to read as follows:4. Expiration date **December 31, 2021**

5. Docket No. 030-14086

Reference No.

6. Byproduct, source, and/or special
nuclear material

A. Cesium-137

B. Americium-241

C. Radium-226

7. Chemical and/or physical form

A. Sealed sources registered
either with NRC under 10
CFR 32.210 or with an
Agreement State and
incorporated in a compatible
portable gauging device as
specified in Item 9 of this
license.B. Sealed sources registered
either with NRC under 10
CFR 32.210 or with an
Agreement State and
incorporated in a compatible
portable gauging device as
specified in Item 9 of this
licenseC. Sealed sources registered
either with NRC under 10
CFR 32.210 or with an
Agreement State and
incorporated in a compatible
portable gauging device as
specified in Item 9 of this
license8. Maximum amount that licensee may
possess at any one time under this licenseA. No single source to exceed
the maximum activity specified
in the certificate of registration
issued by NRC or an
Agreement State. Total
possession limit not to exceed
90 millicuries.B. No single source to exceed
the maximum activity specified
in the certificate of registration
issued by NRC or an
Agreement State. Total
possession limit not to exceed
450 millicuries.C. No single source to exceed
the maximum activity specified
in the certificate of registration
issued by NRC or an
Agreement State. Total
possession limit not to exceed
13.5 millicuries.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
48-18722-01Docket or Reference Number
030-14086

Amendment No. 10

9. Authorized Use:

- A. through B. To be used in **Troxler Electronic Laboratories Model 3400 Series**; **CPN International, Inc. Model MC Series**; **InstroTek, Inc. Model 3500**; or **Humboldt Scientific, Inc. Model HS-5001 Series gauges for the measurement of properties of materials.**
- A. To be used in **Troxler Electronic Laboratories Model 4640 thin layer gauge . for the measurement of properties of materials.**
- C. To be used in **Seaman Nuclear Corporation Model C-200 Series gauges for the measurement of properties of materials.**

CONDITIONS

10. **Licensed material may be used or stored at the licensee's facilities located at 915 Commercial Ct. Onalaska, WI 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 Ervin L. Dukatz, Jr.**
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 letters dated June 1, 2011, and November 23, 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.**
- 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 U.S. Nuclear Regulatory Commission 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.**

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
48-18722-01Docket or Reference Number
030-14086

Amendment No. 10

- D. The leak test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie 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. The report shall be filed within 5 days of the date the leak test result is known with the U. S. Nuclear Regulatory Commission, Region III, 2443 Warrenville Road, Lisle, IL 60532, ATTN: Director, Division of Nuclear Materials Safety. The report shall specify the source involved, the test results, and corrective action taken.
- 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.
- 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 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 U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license.
17. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
18. 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.
19. Except for maintaining labeling as required by 10 CFR Part 20 or 71, the licensee shall obtain authorization from 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 Certificates of Registration issued either by the Commission pursuant to 10 CFR 32.210 or by an Agreement State.

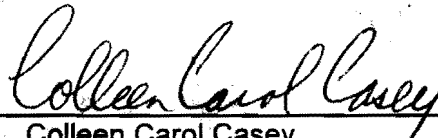
**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
48-18722-01Docket or Reference Number
030-14086

Amendment No. 10

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 of 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. Application dated June 1, 2011 (with attachments, excluding reference to self-appoint Radiation Safety Officers); and,
- B. Letter dated November 23, 2011 (with attachments).

FOR THE U.S. NUCLEAR REGULATORY
COMMISSIONDate DEC 05 2011

By


Colleen Carol Casey
Materials Licensing Branch
Region III