

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.

03121
Licensee

316937
In accordance with application dated

- 1. Palmerton & Parrish, Inc.
- 2. **4168 W. Kearney**
Springfield, MO 65803

February 5, 2008,

3. License number 24-25998-01 is amended in its entirety to read as follows:

4. Expiration date May 31, 2014

5. Docket No. 030-30927
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 Dwg. No. A-102112)

A. No single source to exceed 11 millicuries **not to exceed 187 millicuries**

B. Americium-241

B. Sealed source (Troxler Dwg. No. A-102451)

B. No single source to exceed 50 millicuries **not to exceed 850 millicuries**

C. Americium-241

C. Sealed Source (Troxler Dwg.No. A-100608)

C. No single source to exceed 110 millicuries **not to exceed 220 millicuries**

9. Authorized Use:

A. and B. To be used in Troxler Model 3400 and 4640 Series and Humbolt Scientific Model 5001 Series moisture/density gauges for measuring physical properties of materials.

C. To be used in Troxler Model 3241 Series gauges to measure asphalt content of construction materials.

CONDITIONS

10. Licensed material may be stored at the licensee's facilities located at the following locations:

4168 W. Kearney St.
Springfield, Missouri

3500 East 13th Street
Joplin, Missouri

10,000 Highway 160
Walnut Shade, Missouri

and used at temporary job sites of the license anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
24-25998-01Docket or Reference Number
030-30927

Amendment No. 11

11. A. Licensed material shall only be used by, or under the supervision and in the physical presence of, Ronald M. Abbiatti or individuals who have successfully completed the manufacturer's training program for gauge users, have been instructed in the licensee's routine and emergency operating procedures and who have been designated by the Radiation Safety Officer.
- B. The Radiation Safety Officer for this license is Michael Foley.
- C. The Assistant Radiation Safety Officer is Ronald M. Abbiatti.
12. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as specified by the certificate of registration referred to in 10 CFR 32.210.
- B. In the absence of a certificate from a transferor indicating that a leak test has been made within 6 months prior to the transfer, a sealed source received from another person shall not be put into use until tested.
- C. Sealed sources need not be leak 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 persons specifically licensed by the Commission or an Agreement State to perform such services.
13. Sealed sources containing licensed material shall not be opened or sources removed from source holders by the licensee.
14. When performing tests at temporary job sites, the authorized user shall not leave the moisture/density gauge unattended. Upon completion of tests the device shall be locked in the licensee's vehicle or a secure building to prevent unauthorized use, loss, or theft.
15. The licensee shall conduct a physical inventory every 6 months 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."

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
24-25998-01Docket or Reference Number
030-30927

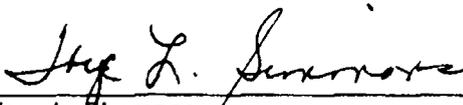
Amendment No. 11

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, storage, or when not under the direct surveillance of an authorized user.
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. 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.
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 November 11, 2003; and
 - B. Letter dated April 28, 2004.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date MAY 20 2008

By



Toye L. Simmons
Materials Licensing Branch
Region III