

APR 01 1991

Missouri Engineering Corporation  
ATTN: Jerry L. Gilmore  
211 South Highway 63  
Rolla, MO 65401

Gentlemen:

It has come to our attention that License Number 24-26270-01 issued on February 26, 1991 contains the errors of license number and docket number in Page 2 and Page 3.

Enclosed is a corrected copy. We apologize for any inconvenience this may have caused you.

Sincerely,

Original Signed By  
Peter J. Lee  
Materials Licensing Section

Enclosure: Corrected Copy of  
License Number 24-26270-01

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CORRECTED COPY

**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, 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. Missouri Engineering Corporation</p> <p>2. 211 South Highway 63 Rolla, MO 65401</p>		<p>3. License number 24-26270-01</p> <p>4. Expiration date February 28, 1996</p> <p>5. Docket or Reference No. U30-32039</p>
<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 (Campbell Pacific Nuclear Model No. CPH-151)</p> <p>B. Sealed source (Campbell Pacific Nuclear Model No. CPH-131)</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. No single source to exceed 10 millicuries</p> <p>B. No single source to exceed 50 millicuries</p>
<p>9. Authorized use</p> <p>A. and B. To be used in Campbell Pacific Nuclear Model HC series surface moisture/density gauges.</p>		

CONDITION

10. Licensed material may be stored at 211 S. Highway 63, Rolla, Missouri 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. A. Licensed material shall be used by, or under the supervision and in the physical presence of, individuals who have satisfactorily completed the device manufacturer's training programs for gauge users and have been designated by the licensee's Radiation Protection Officer. The licensee shall maintain records of the individuals who have been designated as authorized users.
- B. The Radiation Protection Officer for the activities authorized by this license is Kevin L. Lucy.

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**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License number

4-26270-01

Docket or Reference Number

057-32039

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12. A. (1) The source(s) specified in item(s) 7. A. and B. shall be tested for leakage and/or contamination at intervals not to exceed 6 months. Any source received from another person which is not accompanied by a certificate indicating that a test was performed within 6 months before the transfer shall not be put into use until tested.
- (2) Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.
- B. Any source in storage and not being used need not be tested. When the source is removed from storage for use or transfer to another person, it shall be tested before use or transfer.
- C. The 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, the source shall be removed from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. A 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, 799 Roosevelt Road, Glen Ellyn, Illinois 60137, ATTN: Chief, Nuclear Materials Safety Branch. The report shall specify the source involved, the test results, and corrective action taken. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. Records may be disposed of following Commission inspection.
- D. The licensee is authorized to collect leak test samples for analysis by Campbell Pacific Nuclear or tests for leakage and/or contamination shall be performed 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 removed from the gauges 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. Records of inventories shall be maintained for 2 years from the date of each inventory.
16. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
17. 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.

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**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License number

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Docket or Reference number

030-32039

CORRECTED COPY

10. The licensee shall maintain records of information important to safe and effective decommissioning at the location listed in Item 2 of this license per the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.
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. 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 January 29, 1991.



For the U.S. Nuclear Regulatory Commission

Date:

4-1-91

by

*Peter J. Lee*  
Materials Licensing Section, Region 1  
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