

# OFFICIAL RECORD 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, 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.

Licensee	
1. Jeld Wen Fiber of West Virginia	3. License number 47-25421-01
2. 242 Callahan Drive Craigsville, West Virginia 26205	4. Expiration date February 28, 2008
	5. Docket No. 030-34628 Reference No.

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| 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 sources (3M Model 4D6L, 4D6P, 4F6S, 4F6ST, and 4F6P, Amersham Model CDC.700, CDC.93, CDC.711M, CDC.PE2, and CDC.800, Gamma Industries Model VDHP, and Isotope Laboratories Model 225 and A-3402) | A. Not to exceed 185 gigabecquerels (5000 millicuries) per source              |

9. Authorized use:
- A. For possession and use in Ronan Engineering Company's SA-1 Source Holder non-portable gauging device for level, density, or weight measurement.

### CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at 242 Callahan Drive, Craigsville, West Virginia.

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030-34568

11. A. Licensed material shall be used by, or under the supervision of Jay Borrell or individuals who have been trained as specified in the application dated December 17, 1997.
- B. The Radiation Safety Officer for this license is Jay Borrell.
12. The licensee may not possess and use materials authorized in Items 6, 7, and 8, until:
- A. The licensee has constructed the facilities and obtained the equipment described in the application and supporting documentation; and
- B. The U.S. Nuclear Regulatory Commission, Region II, Division of Nuclear Materials Safety, Chief, Materials Licensing/Inspection Branch, 61 Forsyth Street, S.W., Suite 23T85, Atlanta, Georgia 30303, has been notified in writing that activities authorized by the license will be initiated.
13. In accordance with the requirements set forth in 10 CFR 30.36(b), the licensee shall promptly notify the U.S. Nuclear Regulatory Commission, Region II, in writing, of a decision not to complete the facility, acquire equipment, or possess and use authorized material.
14. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.
15. 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. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.
- C. 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.
- D. Sealed sources need not be leak tested if:
- i) they contain only hydrogen-3;
  - ii) they contain only a radioactive gas;
  - iii) the half-life of the isotope is 30 days or less;
  - iv) they contain not more than 3.7 megabecquerels (MBq) (100 microcuries) of beta and/or gamma emitting material or not more than 0.370 MBq (10 microcuries) of alpha emitting material; or
  - v) they are not designed to emit alpha particles, 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 or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

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- E. The leak test shall be capable of detecting the presence of 185 Becquerels (Bq) (0.005 microcurie) of radioactive material on the test sample. If the test reveals the presence of 185 Bq (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(b)(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 II, Division of Nuclear Materials Safety, ATTN: Chief, Materials Licensing/ Inspection Branch, Atlanta, Georgia 30303. The report shall specify the source involved, the test results, and corrective action taken.
- F. The licensee is authorized to collect leak test samples for analysis by Ronan Engineering Company. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
16. Each gauge shall be tested for the proper operation of the on-off mechanism and indicator, if any, at no longer than 6 month intervals or at such longer intervals as specified by the manufacturer and approved by U.S. Nuclear Regulatory Commission or Agreement State.
17. Installation, initial radiation survey, relocation, or removal from service of devices containing sealed sources shall be performed by Ronan Engineering, Inc. or by persons specifically licensed by the Commission or an Agreement State to perform such services. Maintenance and repair of devices and installation, replacement, and disposal of sealed sources shall be performed only by persons specifically licensed by the Commission or an Agreement State to perform such services.
18. Prior to initial use and after installation, relocation, dismantling, alignment, or any other activity involving the source or removal of the shielding, the licensee shall assure that a radiological survey is performed to determine radiation levels in accessible areas around, above, and below the gauge with the shutter open. This survey shall be performed only by persons authorized to perform such services by the Commission or an Agreement State.
19. The licensee shall operate each gauge within the manufacturer's specified temperature and/or environmental limits such that the shielding and shutter mechanism of the source holder are not compromised.
20. The licensee shall assure that the shutter mechanism is locked in the closed position during periods when a portion of an individual's body may be subject to the direct radiation beam. The licensee shall review and modify as appropriate its "lock-out" procedures whenever a new gauge is obtained to incorporate the device manufacturer's recommendations.
21. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license.
22. 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.

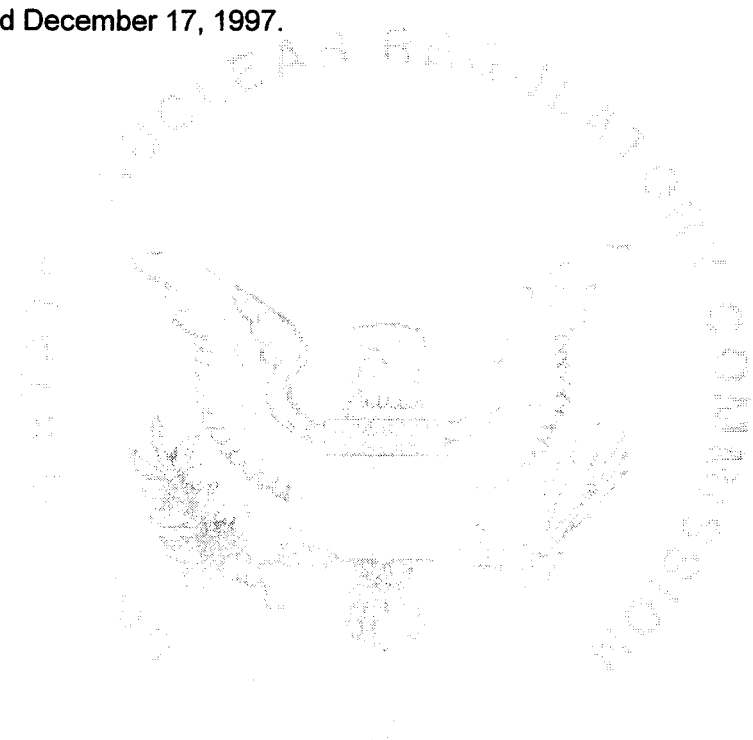
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23. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear 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.

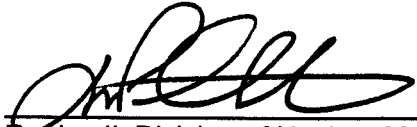
A. Application dated December 17, 1997.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

JOHN M. PELCHAT

Date FEB 20 1998

By   
Region II, Division of Nuclear Materials Safety  
61 Forsyth Street, S.W., Suite 23T85  
Atlanta, GA 30303

*Handwritten initials and date:*  
JML  
2/20/98