

Estimated burden per response to comply with this mandatory collection request: 4.4 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NE0B-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

### APPLICATION FOR MATERIAL LICENSE

**INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.**

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

IF YOU ARE LOCATED IN:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY  
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352

*MM583*

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, MISSISSIPPI, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM  
DIVISION OF NUCLEAR MATERIALS SAFETY  
U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

NUCLEAR MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TX 76011-4005

*03034628*

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

- A. NEW LICENSE
- B. AMENDMENT TO LICENSE NUMBER
- C. RENEWAL OF LICENSE NUMBER *47-25421-01*

2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)

*JELD-WEN  
P.O. Box 1769  
Craigsville, WV 26205*

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

*JELD-WEN  
P.O. Box 1769  
Craigsville, WV 26205*

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

*Alex Gonyaw*

TELEPHONE NUMBER

*541-893-3373*

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL

- a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

12. LICENSE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY *03120* AMOUNT ENCLOSED \$ *1,200.00*

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

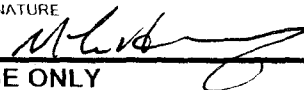
WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE

SIGNATURE

DATE

*MIKE HENRY GENERAL Manager*



*1-23-08*

#### FOR NRC USE ONLY

| TYPE OF FEE | FEE LOG | FEE CATEGORY | AMOUNT RECEIVED | CHECK NUMBER  | COMMENTS |
|-------------|---------|--------------|-----------------|---------------|----------|
|             |         |              | \$              |               |          |
| APPROVED BY |         |              |                 | DATE          |          |
|             |         |              |                 | <i>141641</i> |          |

Application for Material License  
Parts 5 – 11 of NRC Form 313

**5. Radioactive material**

**5a. Element and Mass Number: Cesium-137**

**5b. Chemical and/or Physical Form: Sealed sources. See attached radiation safety program.**

**5c. Maximum Amount Stored: 20 millicuries, 10 millicuries in 2 containers.**

**6. Purpose for which licensed material will be used:** The material is located at a wood fiber door skin production facility. A pressurized steam digester is used to reduce wood chips to wood fibers. The radiation source is used to determine the level of wood chips in the refiner.

**7. Individual responsible for radiation safety program and their training experience:** Rich Long is the facility office manager and is trained as a radiation safety manager.

**8. Training for individuals working in or frequenting restricted areas:** No restricted areas exist at this facility.

**9. Facilities and equipment:** The only equipment with a radiation source on-site is the refiner described in item 6.

**10. Radiation Safety Program: See attached radiation safety program documentation.**

**11. Waste Management:** No waste is associated with this radiation source.

**12. License Fees:** A check for \$1,200 is enclosed.

# JELD-WEN WOOD FIBER DIVISION - WEST VIRGINIA RADIATION SAFETY PROGRAM

JELD-WEN Wood Fiber Division - West Virginia is a licensed user of industrial radiation sources for process control and measurement. This packet will summarize our Radiation Safety Program (RSP) as well as include new employee/annual training, lockout procedures, and safety hazards procedures.

## RSP SUMMARY

### 1) Who is in charge?

The General Manager and the plant Radiation Safety Officer (RSO) are responsible for the training and procedures regarding radiation source equipment. The RSO (Rich Long) and the General Manager should be contacted for questions regarding this equipment.

### 2) Where is the equipment located?

We have two radioactive sources in shielded source containers on the west side of the digester in the powerhouse.

### 3) Who can use the material?

The operators of the equipment and the management team shall be defined as the equipment users and will receive more training than other plant employees, specifically regarding lockout procedures, shutter operation, and emergency procedures.

### 4) What can a user do?

A user may only use the equipment for operation of production lines and operate shutter mechanisms.

### 5) Who should be trained?

All plant employees will be trained in radiation safety and emergency procedures on an annual basis. New employees shall be trained by their Group Manager on equipment location, safety, and emergency procedures. Persons defined as users shall receive additional training.

### 6) Lockout Procedures

Lockout procedures and vessel entry are covered in the lockout section of this packet. Shutter operations should be supervised by a Group Manager. Vessel entry **must** be supervised by the RSO or General Manager.

### 7) Emergency Procedures

Specific emergency procedures are covered in the emergency procedure section of this packet.

### 8) Maintenance and Operating Procedures

**This does not mean that we can work on source devices. We are not licensed to do so and must contact the equipment manufacturer.** Maintenance and operating procedures refer to radiation safety test and physical inventories required by law as stated in our Radioactive Materials License. Leak Tests, Shutter checks, physical inventories, and field surveys **EVERY SIX MONTHS!** These must be performed by the plant RSO.

## JELD-WEN WOOD FIBER DIVISION - WEST VIRGINIA RADIATION SAFETY TRAINING

The term radiation often times will scare or intimidate people. Here, at JELD-WEN, we use radioactive isotopes in process control equipment basically for material measurement. We are licensed by the State of West Virginia to operate such equipment and must comply with certain regulations. Some of these include testing the equipment for leaks, checking isolation shutters, and field surveys. These tests are designed to help insure the safety of people working with the equipment and results are kept on file with the Radiation Safety Officer (Rich Long). We have two radiation sources in the plant at the digester level detector in the powerhouse.

The training manager will briefly explain why we use each source. The source holders are constructed with a lead or steel lined case with a hole or slit to let out a narrow beam of radiation directed at the ion chamber detector. Each source holder is equipped with a shutter. The shutter closes a lead door over the hole or slit to completely enclose the source.

Each new employee will be shown the location of each source during a plant tour. If during annual training an employee is unsure of equipment location he should see his supervisor. Each employee will also be shown the location of the shutter that renders each source safe. Locking the shutters closed when working near sources is part of our lockout procedure. The same lockout procedures will be applied to radiation sources as for any other hazardous equipment.

Damaged source holders could leak radiation. If personnel discover damaged, potentially damaged, or source equipment not mounted as shown in the plant tour they should stay well clear and report to their manager immediately. Note that fire could melt lead linings in the holder without apparent damage to the outer case.

### In case of a Radioactive Material Emergency:

1. Evacuate the area
2. Rope off the area at least 20 feet from any possible source. Rope off a larger area if possible.
3. Post the barrier with "Radiation Warning" and "Keep Out" signs.
4. Reduce the spread of the source by turning off fans, turning off machinery, and by not spraying with water unless controlling fire.
5. Identify personnel possibly exposed to radiation.
6. Call the Fire Department at 911
7. Call the RSO and the General Manager.
8. The RSO will execute the duties and responsibilities specified by the Nuclear Regulatory Commission as appropriate.





RONAN ENGINEERING COMPANY  
NUCLEAR MEASUREMENTS DIVISION  
FLORENCE, KENTUCKY

*This is to certify that*

*Rich Long*

*has successfully completed the*  
**RONAN RADIATION SAFETY  
TRAINING SCHOOL**

**The Following Topics Were Covered**

The principles and fundamentals of radiation protection and good safety practices related to the use of radioactive materials.

Radioactivity measurements, use of radiation detection instruments, and monitoring techniques.

Biological effects of radiation.

Procedures for performing services.

Actual practice in performing the services.

*March 9, 2007*

Date

*Merhad Abdu*

Instructor

This is to acknowledge the receipt of your letter/application dated

1/23/2008, and to inform you that the initial processing which includes an administrative review has been performed.

Renewal 47-25421-01  
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

---

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 141641.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (R1)  
(6-96)

Sincerely,  
Licensing Assistance Team Leader

BETWEEN: : (FOR LFMS USE)  
 : INFORMATION FROM LTS  
 : -----  
 :  
 License Fee Management Branch, ARM : Program Code: 03120  
 and : Status Code: 2  
 Regional Licensing Sections : Fee Category: 3P  
 : Exp. Date: 20080228  
 : Fee Comments: \_\_\_\_\_  
 : Decom Fin Assur Reqd: N  
 : .....

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED  
 Applicant/Licensee: JELD-WEN WOOD FIBER DIVISION  
 Received Date: 20080124  
 Docket No: 3034628  
 Control No.: 141641  
 License No.: 47-25421-01  
 Action Type: Renewal

2. FEE ATTACHED  
 Amount: \$1,200.00  
 Check No.: 10085785

3. COMMENTS  
**No fee required for renewals.**  
 Signed M.A. Perkins  
 Date 1/24/2008

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /\_\_\_/)

- 1. Fee Category and Amount: \_\_\_\_\_
- 2. Correct Fee Paid. Application may be processed for:  
 Amendment \_\_\_\_\_  
 Renewal \_\_\_\_\_  
 License \_\_\_\_\_
- 3. OTHER \_\_\_\_\_

Signed \_\_\_\_\_  
 Date \_\_\_\_\_