



Fiber Glass Group

August 30, 1988

U. S. Nuclear Regulatory Commission
Region II
Material Radiation Protection Section
101 Marietta Street, N.W.
Suite 2900
Atlanta, Georgia 30323

Dear Nuclear Regulatory Commission:

Re: License Renewal 47-05794-02

This facility requests that its license #47-05794-02 be renewed as is in Amendments 15 and 16, except as noted below. If after reviewing the following information you have any questions, please feel free to contact me at 304-295-9361. Thank you.

Please change the following items in Amendment 15:

1. Change Licensee name to:
Manville Sales Corporation
- 9B. Change wording to same as Amendment 16
12. Please delete the following names:
Dan Lhota, Robert Webster, Larry Hill and Sam Hamilton

Please add the following names to the supervision list:
Dan Cetnar, Gene Crone and Kevin W. Sprague

- 13D. Please change General Radioisotopes to Kay Ray, Inc.

Attached you will find our license renewal fee of \$120.00, Amendment 15 and Amendment 16.

Thank you again for your time and attention to this license renewal request.

Sincerely,

Kevin W. Sprague

Kevin W. Sprague
Environmental Coordinator

/nk
Attachments

Log	Sept 2-11
Remitter	
Check No.	129769
Amount	\$120.00
Fee Category	3P
Type of Fee	Ren
Date Check Rec'd.	9/8/88
Date Completed	9/8/88
By	msm

Manville Sales Corporation

2905 Third Avenue • P.O. Box 5130 • Vienna, WV 26105-0130 • 304 295-9361

OFFICIAL COPY

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REG2 LIC30
47-05794-02 PDR

Manville Building Materials Corporation
2905 Third Avenue
P.O. Box 5130
Vienna, West Virginia 26105
304 295-9361

USNRC REGION II
ATLANTA, GEORGIA

Manville

August 16, 1983

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United States Nuclear Regulatory Commission
Region II
101 Marietta Street N.W.
Suite 3100
Atlanta, Georgia 30303

Attention: Paul R. Guinn

Docket No. 030-06665
License No. 47-05794-02
Control No. 14006

Subject: Additional Information Request For By-Product Material License
Renewal

1. Name on the license from Johns-Manville Sales Corporation to Manville Building Materials Corporation is merely a name change, not an ownership change. The corporation underwent a reorganization, but ownership remains without change.
2. Radiation protection officer is Ralph Liebau, Plant Production Superintendent.
3. By-Product material is presently:
 - (a) Texas Nuclear - Series CN CO-60, MD SH 4, I-CI Ser. 27918-01
2/81
 - (b) Robert Shaw MD 163 SR 67, CO-60, 900 MC 7177

This is in accordance with current license as amended in 1981.

4. Texas Nuclear performs all installation and removal services. All reference to KAY-RAY is to be deleted.
5. Radiation protection and control of access is determined by the fact the by-product material is mounted within a sealed source holder in a fixed position. The physical location in a 2500° atmosphere prohibits unauthorized personnel any access.

Official Copy

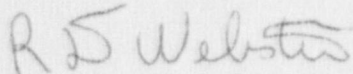
6. As noticed in Item #5, the physical mounting of the source holder (Reference license application file plate and detail) within the furnace proper bans any exposure to personnel.

When it becomes necessary to remove device from its fixed mount location, the aforementioned Radiation Protection Officer, Ralph Liebau, contacts Texas Nuclear to perform required work.

7. Radiation protection leak tests are performed by General Radioisotopes of San Roman, California through the use of their Model WT-4 kit each six (6) months.

Also monitor rings supplied by Siemens Gammasonics of Des Plains, Illinois are changed on a monthly basis and returned for analysis.

Very truly yours,



R. D. Webster

RDW/mhk

NRC Form 313 I (12-81) 10 CFR 30		U.S. NUCLEAR REGULATORY COMMISSION		1. APPLICATION FOR: (Check and/or complete as appropriate) C 47-05794-02	
APPLICATION FOR BYPRODUCT MATERIAL LICENSE INDUSTRIAL				a. NEW LICENSE b. AMENDMENT TO: LICENSE NUMBER c. RENEWAL OF: LICENSE NUMBER X 47-05794-02	
See attached instructions for details. Completed applications are filed in duplicate with the Division of Fuel Cycle and Material Safety, Office of Nuclear Material Safety, and Safeguards, U.S. Nuclear Regulatory Commission, Washington, DC 20555 or applications may be filed in person at the Commission's office at 1717 H Street, NW, Washington, D. C. or 7915 Eastern Avenue, Silver Spring, Maryland.					
2. APPLICANT'S NAME (Institution, firm, person, etc.) <u>Manville Building Materials Corporation</u> TELEPHONE NUMBER: AREA CODE - NUMBER EXTENSION (304) 295-9361			3. NAME AND TITLE OF PERSON TO BE CONTACTED REGARDING THIS APPLICATION <u>R. D. Webster - Plant Training Specialist</u> TELEPHONE NUMBER: AREA CODE - NUMBER EXTENSION		
4. APPLICANT'S MAILING ADDRESS (Include Zip Code) (Address to which NRC correspondence, notices, bulletins, etc., should be sent.) P.O. Box 5130 Vienna, WV 26105			5. STREET ADDRESS WHERE LICENSED MATERIAL WILL BE USED (Include Zip Code) 2905 Third Avenue Vienna, WV 26105		
(IF MORE SPACE IS NEEDED FOR ANY ITEM, USE ADDITIONAL PROPERLY KEYED PAGES.)					
6. INDIVIDUAL(S) WHO WILL USE OR DIRECTLY SUPERVISE THE USE OF LICENSED MATERIAL (See Items 16 and 17 for required training and experience of each individual named below)					
FULL NAME		TITLE			
a.	Ralph Liebau	Date: 3/11/83	Production Superintendent		
b.		By: Brown	Applicant: 435		
c.		Orig. To: Brown	Check No. #12013		
7. RADIATION PROTECTION OFFICER Not applicable.		Attach a resume of person's training and experience as outlined in Items 16 and 17 and describe his responsibilities under Item 15. Type of License: Renewal Rev. 11/82			
8. LICENSED MATERIAL					
L I N E	ELEMENT AND MASS NUMBER	CHEMICAL AND/OR PHYSICAL FORM	NAME OF MANUFACTURER AND MODEL NUMBER (If Sealed Source)	MAXIMUM NUMBER OF MILLCURIES AND/OR SEALED SOURCES AND MAXIMUM ACTI- VITY PER SOURCE WHICH WILL BE POSSESSED AT ANY ONE TIME	
NO.	A	B	C	D	
(1)	Cobalt 60	Sealed Source	Texas Nuclear 570-571157C #27918-01	900 MC	
(2)	Cobalt 60	Sealed Source	Robert Shaw C163 #87	900 MC	
(3)					
(4)					
DESCRIBE USE OF LICENSED MATERIAL E					
(1)	GLASS LEVEL MEASURING DEVICES IN FOREHEARTH SECTION OF GLASS FURNACES #7402 and #7403				
(2)					
(3)					
(4)					

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 INSPECTION AND ENFORCEMENT

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9. STORAGE OF SEALED SOURCES

LINE NO.	CONTAINER AND/OR DEVICE IN WHICH EACH SEALED SOURCE WILL BE STORED OR USED. A.	NAME OF MANUFACTURER B.	MODEL NUMBER C.
(1)	Source holder	Robert Shaw	SH-4
(2)	Source holder	Robert Shaw	SH-4
(3)			
(4)			

10. RADIATION DETECTION INSTRUMENTS

LINE NO.	TYPE OF INSTRUMENT A	MANUFACTURER'S NAME B	MODEL NUMBER C	NUMBER AVAILABLE D	RADIATION DETECTED (alpha, beta, gamma, neutron) E	SENSITIVITY RANGE (milliroentgens/hour or counts/minute) F
(1)	Eberline Geiger Counter	Kay-Ray Inc.	E-120	1	Beta Gamma	MR/HR 0-50
(2)	Survey Meter	Nuclear Chicago	2650	1	X-G Beta	MR/HR 0-50
(3)						
(4)						

11. CALIBRATION OF INSTRUMENTS LISTED IN ITEM 10

☐ a. CALIBRATED BY SERVICE COMPANY

NAME, ADDRESS, AND FREQUENCY

KAY-RAY, INC.

516 W. CAMPUS DRIVE
ARLINGTON HEIGHTS, IL 60004☐ b. CALIBRATED BY APPLICANT

Attach a separate sheet describing method, frequency and standards used for calibrating instruments.

Semi-annually

Lic. #12-11184-OD

12. PERSONNEL MONITORING DEVICES

TYPE (Check and/or complete as appropriate.) A	SUPPLIER (Service Company) B	EXCHANGE FREQUENCY C
<input checked="" type="checkbox"/> (1) FILM BADGE	Seimens Gammasonics	<input type="checkbox"/> MONTHLY
<input type="checkbox"/> (2) THERMOLUMINESCENCE DOSIMETER (TLD)		<input checked="" type="checkbox"/> QUARTERLY
<input type="checkbox"/> (3) OTHER (Specify): _____ _____ _____		<input type="checkbox"/> OTHER (Specify): _____ _____ _____

13. FACILITIES AND EQUIPMENT (Check where appropriate and attach annotated sketch(es) and description(s).)

- * ☒ a. LABORATORY FACILITIES, PLANT FACILITIES, FUME HOODS (Include filtration, if any), ETC.
- ☐ b. STORAGE FACILITIES, CONTAINERS, SPECIAL SHIELDING (fixed and/or temporary), ETC.
- ☐ c. REMOTE HANDLING TOOLS OR EQUIPMENT, ETC.
- ☐ d. RESPIRATORY PROTECTIVE EQUIPMENT, ETC. *Refer to Mail Control #90983.

14. WASTE DISPOSAL

a. NAME OF COMMERCIAL WASTE DISPOSAL SERVICE EMPLOYED

TEXAS NUCLEAR DIVISION OF RAMSEY ENGINEERING

b. IF COMMERCIAL WASTE DISPOSAL SERVICE IS NOT EMPLOYED, SUBMIT A DETAILED DESCRIPTION OF METHODS WHICH WILL BE USED FOR DISPOSING OF RADIOACTIVE WASTES AND ESTIMATES OF THE TYPE AND AMOUNT OF ACTIVITY INVOLVED. IF THE APPLICATION IS FOR SEALED SOURCES AND DEVICES AND THEY WILL BE RETURNED TO THE MANUFACTURER, SO STATE.

INFORMATION REQUIRED FOR ITEMS 15, 16 AND 17

Describe in detail the information required for Items 15, 16 and 17. Begin each item on a separate page and key to the application as follows:

15. RADIATION PROTECTION PROGRAM. Describe the radiation protection program as appropriate for the material to be used including the duties and responsibilities of the Radiation Protection Officer, control measures, bioassay procedures (if needed), day-to-day general safety instruction to be followed, etc. If the application is for sealed source's also submit leak testing procedures, or if leak testing will be performed using a leak test kit, specify manufacturer and model number of the leak test kit.
16. FORMAL TRAINING IN RADIATION SAFETY. Attach a resume for each individual named in Items 6 and 7. Describe individual's formal training in the following areas where applicable. Include the name of person or institution providing the training, duration of training, when training was received, etc.
 - a. Principles and practices of radiation protection.
 - b. Radioactivity measurement standardization and monitoring techniques and instruments.
 - c. Mathematics and calculations basic to the use and measurement of radioactivity.
 - d. Biological effects of radiation.
17. EXPERIENCE. Attach a resume for each individual named in Items 6 and 7. Describe individual's work experience with radiation, including where experience was obtained. Work experience or on-the-job training should be commensurate with the proposed use. Include list of radioisotopes and maximum activity of each used.

See Item 16.

18. CERTIFICATE

(This item must be completed by applicant)

The applicant and any official executing this certificate on behalf of the applicant named in Item 2, certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, Part 30, and that all information contained herein, including any supplements attached hereto, is true and correct to the best of our 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.

a. LICENSE FEE REQUIRED
(See Section 170.31, 10 CFR 170)

b. CERTIFYING OFFICIAL (Signature)

Robert D. Webster

c. NAME (Type or print)

Robert D. Webster

(1) LICENSE FEE CATEGORY: 1 C

d. TITLE

Plant Training Specialist

(2) LICENSE FEE ENCLOSED: \$ 120.00

e. DATE

February 18, 1983

15. Sealed source installation and/or removal performed only by duly licensed firms such as Kay-Ray, Inc. or Texas Nuclear.

16. Ralph Liebau attended 3-day Kay-Ray, Inc. Radiation Training Course in 1977.

17. See Item 16.