

FORM NRC-313 I (3-80) 10 CFR 30 U.S. NUCLEAR REGULATORY COMMISSION

1. APPLICATION FOR: (Check and/or complete as appropriate)

APPLICATION FOR BYPRODUCT MATERIAL LICENSE INDUSTRIAL

a. NEW LICENSE

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.

b. AMENDMENT TO: LICENSE NUMBER ~~34-17532-01~~

c. RENEWAL OF: LICENSE NUMBER 34-17532-01

2. APPLICANT'S NAME (institution, firm, person, etc.)

Georgia-Pacific Corporation

TELEPHONE NUMBER: AREA CODE - NUMBER EXTENSION 1-513-746-9941-Ext. 47

3. NAME AND TITLE OF PERSON TO BE CONTACTED REGARDING THIS APPLICATION

R. Gordon Harrison-Plant Manager

TELEPHONE NUMBER: AREA CODE - NUMBER EXTENSION 1-513-746-9941

4. APPLICANT'S MAILING ADDRESS (Include Zip Code) (Address to which NRC correspondence, notices, bulletins, etc., should be sent.)

Georgia-Pacific Corp.
P.O. Box 185
Franklin, OH 45005

5. STREET ADDRESS WHERE LICENSED MATERIAL WILL BE USED (Include Zip Code)

Georgia-Pacific Corp.
125 N. River St.
Franklin, OH 45005

(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.	Phillip S. Pence	Maintenance Superintendent
b.		
c.		

7. RADIATION PROTECTION OFFICER

Phillip S. Pence

Attach a resume of person's training and experience as outlined in Items 16 and 17 and describe his responsibilities under Item 15.

8. LICENSED MATERIAL

LINE NO.	ELEMENT AND MASS NUMBER	CHEMICAL AND/OR PHYSICAL FORM	NAME OF MANUFACTURER AND MODEL NUMBER (If Sealed Source)	MAXIMUM NUMBER OF MILLICURIES AND/OR SEALED SOURCES AND MAXIMUM ACTIVITY PER SOURCE WHICH WILL BE POSSESSED AT ANY ONE TIME
	A	B	C	D
(1)	Cesium - 137	sealed source	Ohmart Corp. Model A5771	20 millicuries
(2)	Cesium - 137	sealed source	Ohmart Corp. Model A2102	10 millicuries
(3)				
(4)				

DESCRIBE USE OF LICENSED MATERIAL

E

(1)	Used to measure level in a 26-inch diameter vessel.
(2)	Used to detect a high level in a 26-inch diameter vessel.
(3)	

8804260347 XA A-8 11584 10984

B. 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)	SHRM source holder	Ohmart	A5771
(2)	SHRM-PA source holder	Ohmart	A2102
(3)			
(4)			

10. RADIATION DETECTION INSTRUMENTS

LINE NO.	TYPE OF INSTRUMENT A.	MANUFACTURER'S B.	MODEL NUMBER C.	NUMBER AVAILABLE D.	RADIATION DETECTED (alpha, beta, gamma, neutron) E.	SENSITIVITY RANGE (milliroentgens/hour or counts/minute) F.
(1)	N/A					
(2)						
(3)						
(4)						

11. CALIBRATION OF INSTRUMENTS LISTED IN ITEM 10

<input type="checkbox"/> a. CALIBRATED BY SERVICE COMPANY NAME, ADDRESS, AND FREQUENCY N/A	<input type="checkbox"/> b. CALIBRATED BY APPLICANT Attach a separate sheet describing method, frequency and standards used for calibrating instruments. N/A
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12. PERSONNEL MONITORING DEVICES

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

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

<input type="checkbox"/> a. LABORATORY FACILITIES, PLANT FACILITIES, FUME HOODS (Include filtration, if any), ETC. <input type="checkbox"/> b. STORAGE FACILITIES, CONTAINERS, SPECIAL SHIELDING (fixed and/or temporary), ETC. <input type="checkbox"/> c. REMOTE HANDLING TOOLS OR EQUIPMENT, ETC. <input type="checkbox"/> d. RESPIRATORY PROTECTIVE EQUIPMENT, ETC.	N/A
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14. WASTE DISPOSAL

a. NAME OF COMMERCIAL WASTE DISPOSAL SERVICE EMPLOYED N/A
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. N/A

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.

18. CERTIFICATE

(This item must be completed by applicant)

The applicant and any official certify that this application is true and correct to the best of our knowledge and belief.

this certificate on behalf of the applicant named in Item 2, in conformity with Title 10, Code of Federal Regulations, 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.

<p>a. LICENSE FEE REQUIRED <i>(See Section 170.31, 10 CFR 170)</i></p> <p align="center">\$180.00</p>	<p>b. CERTIFYING OFFICIAL <i>(Signature)</i> <i>R. Gordon Harrison</i></p> <p>c. NAME <i>(Type or print)</i> R. GORDON HARRISON</p>
<p>(1) LICENSE FEE CATEGORY: Human Use</p>	<p>d. TITLE PLANT MANAGER</p>
<p>(2) LICENSE FEE ENCLOSED: \$</p>	<p>e. DATE 5/20/82</p>

ITEM 15

The licensed material is used by, or under the supervision of the Radiation Protection Officer. Source holders are shipped and installed by the Ohmart Corporation in closed position and opened when process is started. When process is shut-down source holders are closed. If source holder is removed, it will be placed in closed position before removal. Initial radiation surveys are made by the Ohmart Corporation when gauge is installed. A copy of the radiation survey is kept on file for future reference.

If maintenance or repair of the source holder is required, it will be returned to the Ohmart Corporation in the closed position. The Ohmart Corporation will be contacted for shipping instructions. In the event of an emergency, the area in the vicinity of the source holder will be barricaded until inspected by a representative of the Ohmart Corporation. The Ohmart Corporation, The Local Public Health Agency and the regional operation office of the N.R.C. will be contacted immediately.

The individuals working in any position of the restricted area, are instructed in the health protection problems associated with exposure to radioactive material and are instructed to notify The Radiation Protection Office of any condition which could lead to unnecessary exposure.

Individuals working in the area of the source holders are instructed to place source holders on closed position before any work is to be performed. Locks are provided by the Radiation Protection Officer for this purpose and keys are controlled by same.

The only access into the area controlled by the Sealed Source Holders is a manhole cover which is bolted in position and locked. The key to the access cover is obtained from the Radiation Protection Officer only upon satisfaction that the source holders have been placed in a closed position. Leak tests are performed on the surface of the source holder every three (3) years by The Ohmart Corporation to assure that there has been no leakage of radioactive material from the source container in the source holder. The leak test materials are supplied and analyzed by The Ohmart Corporation. The Ohmart Corporation standard "Leak Test Procedure for Sealed Sources (6-58) - Sealed Sources in Ohmart Source Holders" will be followed.

ITEM 15

- A- Radiation Protection Officer received three (3) days instruction by The Ohmart Corporation field engineer at the job site during startup of the gauge in 1977.
- B- N/A
- C- N/A
- D- N/A

ITEM 17

Radiation Protection Officer received three (3) days on the job training during startup and has worked with the controls and its use since 1977 or five (5) years.