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.

Licensee	
1. International Paper Company Masonite Division	3. License number 37-28794-01
2. P.O. Box 311 Towanda, Pennsylvania 18848	4. Expiration date November 30, 1997
	5. Docket or Reference No 030-32937

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. Curium 244	A. Sealed sources	A. 1000 millicuries per source not to exceed 5000 millicuries total

9. Authorized use

A. For possession and use in Data Measurement Corp. devices which have been evaluated and approved for licensing purposes and authorized for distribution under a license issued by the Nuclear Regulatory Commission or an Agreement State.

CONDITIONS

10. Licensed material may be used only at the licensee's facilities at Masonite Road, Wysox, Pennsylvania.

11. A. Licensed material shall be used by, or under the supervision and in the physical presence of Paul Syslo, Frank Bitting, John Teel, Michael Steele, or individuals who have successfully completed the manufacturer's training program for gauge users and who have been designated by the Radiation Safety Officer. The licensee shall maintain records of individuals designated as users for 3 years following the last use of licensed material by the individual.

B. The Radiation Safety Officer for this license is Paul Syslo.

12. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders or detector cells by the licensee.

9301190157 921129
PDR ADOCK 03032937
C PDR

OFFICIAL RECORD COPY ML 10

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number
37-28794-01
Docket or Reference number
030-32937

(Continued) CONDITIONS

13. A. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed 3 years.

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 test has been made within six months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.

D. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.

E. Sealed sources and detector cells need not be leak tested if:

(i) they contain only hydrogen 3; or

(ii) they contain only a gas; or

(iii) the half-life of the isotope is 30 days or less; or

(iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 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 transfer 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.

F. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission and the source shall be removed 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 I, ATTN: Chief, Nuclear Materials Safety Branch, 475 Allendale Road, King of Prussia, Pennsylvania 19406. The report shall specify the source involved, the test results, and corrective action taken.

License number
37-28794-01

Docket or Reference number
030-32937

MATERIALS LICENSE
SUPPLEMENTARY SHEET

(13. Continued) CONDITIONS

G. The licensee is authorized to collect leak test samples for analysis by Data Measurement Corporation. 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.

14. Each gauge shall be tested for the proper operation of the on-off mechanism and indicator, if any, at no longer than six-month intervals or at such longer intervals as specified by the manufacturer, not to exceed 3 years.

15. Installation, initial radiation surveys, relocation, removal from service, or any similar activity with devices containing licensed material shall be performed only by persons specifically licensed by the Commission or an Agreement State to perform such services. The licensee may initially mount the device in accordance with written instructions provided by the manufacturer; however, the device may not be used until surveyed by a person specifically licensed by the Commission or an Agreement State to install gauges. The licensee may repair the electronic equipment not associated with the source or its shielding.

16. 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 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. A record of the results of this survey shall be maintained.

17. 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 5 years from the date of each inventory.

18. The licensee shall not acquire licensed material in a sealed source or in a device that contains a sealed source unless the source or device has been registered with the U.S. Nuclear Regulatory Commission under 10 CFR 30.32(g) or with an Agreement State.

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 September 10, 1992
B. Letter dated November 9, 1992

For the U.S. Nuclear Regulatory Commission

Date NOV 20 1992

By Original Signed By:
Steven R. Courtemanche
Nuclear Materials Safety Branch
Region I
King of Prussia, Pennsylvania 19406

NOV 20 1992

License No. 37-28794-01
Docket No. 030-32937
Control No. 117187

International Paper Company
Masonite Division
ATTN: Paul Syslo
Radiation Safety Officer
P.O. Box 311
Towanda, Pennsylvania 18848

Dear Mr. Syslo:

Please find enclosed your NRC material license.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the Region I Material Licensing Section, (215) 337-5093, so that we can provide appropriate corrections and answers.

Please be advised that you must conduct your program involving licensed radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, please note the items in the enclosed, "Requirements for Materials Licensees."

Since serious consequences to employees and the public can result from failure to comply with NRC requirements, the NRC expects licensees to pay meticulous attention to detail and to achieve the high standard of compliance which the NRC expects of its licensees.

You will be periodically inspected by NRC. A fee may be charged for inspections in accordance with 10 CFR Part 170. Failure to conduct your program safely and in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in prompt and vigorous enforcement action against you. This could include issuance of a notice of violation, or in case of serious violations, an imposition of a civil penalty or an order suspending, modifying or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Actions, 10 CFR Part 2, Appendix C.

We wish you success in operating a safe and effective licensed program.

Sincerely,

Original Signed By:
Steven R. Courtemanche

Steven R. Courtemanche
Nuclear Materials Safety Branch
Division of Radiation Safety
and Safeguards

Enclosures:
1. License No. 37-28794-01
2. Requirements for Materials Licensees
3. NRC Forms 3 and 313
4. 10 CFR Parts 2, 19, 20, 21, 30, 170 and 171

DRSS:RI
Courtemanche/gc

11/20/92

MS 16
K-4

MASONITE CORPORATION
BUILDING PRODUCTS GROUP
P.O. BOX 311 - TOWANDA, PA 18848

030-32937

November 9, 1992 - REGISTERED MAIL

PHONE (717) 265-9121
FAX (717) 265-4336

Steven Courtemanche
U.S. Nuclear Regulatory Commission, Region I
Nuclear Materials Section B
631 Park Avenue
King of Prussia PA 19406

Dear Mr. Courtemanche:

This letter is in response to the telephone conversations you had with Masonite environmental engineers Paul Syslo and Mick Steele. With respect to the application for material license dated September 10, 1992, I concur with all commitments which were made in the application. However, as for the individual who will be responsible for the radioactive material, I assign this responsibility to the recently hired environmental engineer, Paul T. Syslo.

Also per your request, this is the leak test kit number and the license number of Data Measurement Corporation. DMC will be performing the training, as well as supplying the wipe test equipment for the new gauge:

DATA MEASUREMENT CORPORATION P O Box 490 Gaithersburg MD 20884 Ph 301 948-2450	Leak Test Kit Number: Information attached License Number: MD-31-088-02 (Maryland)

This company - Nuclear Research Corporation - is currently supplying the wipe test equipment for a source which is already in place:

NUCLEAR RESEARCH CORPORATION 125 Titus Avenue Warrington PA 18976 Ph 215 343-5900	Leak Test Kit Number: NRC# 703582 U.S. NRC License Number: 37-02401-01

In conclusion, the responsible individual, Paul T. Syslo, will be given the duties of leak testing and developing the emergency operating procedures. Mr. Syslo will be responsible for the documentation of training for all Masonite employees, as well as a file recording maintenance and the applicable Nuclear Regulatory Commission regulations.

I hope this information meets your needs and that a license can be

117187

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NOV 12 1992

an INTERNATIONAL PAPER company

issued as quickly as possible. If you have any further questions or need additional information, do not hesitate to contact Paul Syslo at 717 265-9121, ext 287.

A. S. Bruntlett

A. S. Bruntlett
Mill Manager

ASB:tlw

ATTACHMENT

cc: M. P. Ameigh
M. L. Steele
P. T. Syslo

FACSIMILE MESSAGE

DMC DATA MEASUREMENT CORPORATION

P.O. Box 490 | Gaithersburg, Maryland 20877 | U.S.A.

Telephone (301) 948-2450 | FAX: (301) 670-0506 | Telex 898332

TO: Mr Paul Syslo

CO: Masonite

DEPT: Environmental Safety

FAX: 717 265 4336

REF: Your Phone Call about Curium-244 License

FROM: Chris Burnett

DEPT: Radiation Safety

REF:

DATE: 4 Nov 92

TEXT:

Mr. Syslo -

Please find:

Pg 2 Amendment 18 allowing DMC to distribute leak test kits.

Pg 3-5 Leak test kit contents + Procedure

Pg 6 Radioisotope Survey Form

If you Have any Questions Give me a call.

Regards
Chris Burnett

P.S. Original In Mail.

Sent By: Time File

RECEIVED JUN 11 1992

State of Maryland

DEPARTMENT OF THE ENVIRONMENT

RADIOLOGICAL HEALTH PROGRAM

RADIOACTIVE MATERIAL LICENSE

Supplementary Sheet

License No. MD-31-088-02	Amendment No. 18

Data Measurement Corporation
15884 Gaither Drive
Gaithersburg, Maryland 20884

In accordance with letter dated May 22, 1992, Radioactive Material License Number MD-31-008-02 is amended to read:

Item 9Z to read:

9. Authorized use

Z. The licensee is authorized to perform leak tests upon sealed sources and upon devices which contain sealed sources, in house and in the field. Further, the licensee is authorized to distribute a leak test kit to enable general licensees to both take wipes to be read by Data Measurement Corporation and to test the "off/on" mechanism and indicator.

FOR THE MARYLAND DEPARTMENT OF THE ENVIRONMENT

Roland H. Fletcher

ADMINISTRATOR, RADIOLOGICAL HEALTH PROGRAM

Date June 5, 1992

CRF/amc

MDER-L1 (Suppl) (11/90)

PP7

Data Measurement Corporation

Leak Test Sample Collection and
Shutter Mechanism Test Procedure

Tool Required:

Survey Meter with Audible Alarm
Leak Test Collection Kit including:
- Alcohol swab
- Cotton swab
- Plastic resealable Bag
- Envelope
- Permanent Marker
- Rubber gloves

Inspection Mirror

IMPORTANT !!

In accordance with Federal and State Regulations these forms will be kept on file, indicating the tests were performed at the required intervals. FILL OUT ALL SPACES ACCURATELY AND CLEARLY.

Contact name and #: _____

Device Manufacturer: Data Measurement Corporation

Device Model #: _____ Isotope: _____

Serial #: _____ Activity: _____ mCi

Read through the entire procedure before performing any tasks.

1) Preparation

_____a. Inspect survey meter, Record serial number and calibration due date.
Serial #: _____ Due date: _____

_____b. Fill out all information regarding source identification on the radioisotope survey form.

_____c. Inspect required labels for legibility. Make any note of any damaged or missing labels.

2) Shutter Mechanism Test

_____a. Close the source shutter.

_____b. Measure radiation levels around the source end of the gauge while observing the shutter flag.
For SHR type holders the red shutter flag should be withdrawn into the source holder. For all other source holders the word "CLOSED" should be visible.

_____c. Open the source shutter.

_____d. Observe any shutter status lighting and the shutter flag. Radiation levels around the source holder have increased, make observations from a safe distance and as quickly as possible.
For SHR type holders the red shutter flag should extend one to two inches out the side of the source holder.
For all other source holders the word "OPEN" should be visible.

_____e. Close the source shutter.

_____f. Re-measure radiation levels around the source end of the gauge while observing the shutter flag. Radiation levels should be similar to step 2 (b).

_____g. If the shutter fails to close completely or if the shutter indicator flags do not function, remove the gauge from operation immediately and notify DMC Field Service to arrange a visit to correct the problem.

_____h. Fill out section "B" of the Radioisotope Survey form.

3) Leak Test Procedure

_____a. Label the envelope with the source type, serial number, activity, date, time and customer.

_____b. Put on rubber gloves.

_____c. Dip a cotton swab in an alcohol solution, wipe around the lower side of source holder window and any place you suspect isotope particles could escape. Place the swab in the plastic bag.

_____d. Take a dry swab and wipe the area again. Place in the plastic bag with the other swab.

_____e. IMPORTANT: Put the plastic bag in the envelope labeled for that source, seal and attach to the form, do not mix the swabs from one swipe test with another. KEEP EACH TEST IN SEPARATE ENVELOPE.

_____f. In section C, fill in the date and swipe location only.

_____g. Keep the gold copy of the form for your records and Mail the top three copies and the envelope to DMC.

DMC
DATA MEASUREMENT CORPORATION
P.O. BOX 490
GAITHERSBURG, MARYLAND 20884 U.S.A.
TELEPHONE: (301) 948 2450 TELEX 89-8332 DETECTOR
FAX: (301) 670-0506 OR (301) 948-9367

RADIOISOTOPE SURVEYS

SERVICE TO _____ DATE _____ CUSTOMER NO. _____

ADDRESS _____ LINE NUMBER _____
Street City State Zip

SYSTEM TYPE _____ SYSTEM S/N _____ SOURCE HOLDER TYPE _____ AIR GAP _____

SOURCE HOLDER S/N _____ SOURCE MATERIAL _____ SCANNING MECHANISM _____

SOURCE TYPE _____ SOURCE S/N _____ SOURCE ACTIVITY (UNDECAYED) _____

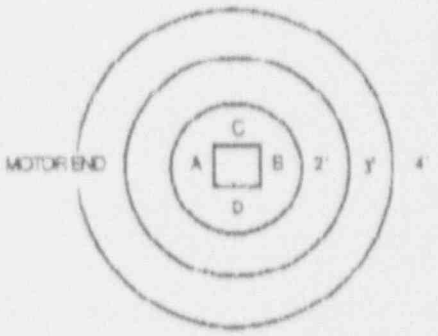
A - RADIATION PROFILE (Only Done At Shipment & Installation)

	DOSE RATE (mrem/h) MEASURED AT							
	A		B		C		D	
SHUTTER	1	2	1	2	1	2	1	2
OPEN								
CLOSED								

1 - IN PLANT
2 - AFTER INSTALLATION

1 - SURVEY INST. & S/N _____ DATE _____ BY _____
2 - SURVEY INST. & S/N DATE BY

Plot Profile of 0.25 mrem/Hour At Least 8 Points



O - IN PLANT
X - AFTER INSTALLATION

B - SHUTTER MECHANISM TEST (Required For All Sources)

☐ SATISFACTORY ☐ UNSATISFACTORY DATE _____ BY _____

C - LEAK TEST (Not Required For KR-85)

Sources tested by wiping areas around the source where radioactive material might be expected to accumulate with a Q-Tip moistened with methanol.

DATE	SWIPE LOCATION	SWIPE NCPM	SWIPE ACTIVITY (μCi)*	PERFORMED BY

*Data Measurement Corp. withdraws sources from use if swipe activity is greater than 0.0025 μCi. 0.005 μCi on a swipe must be reported to the AEC.

SURVEY INSTRUMENT _____ S/N _____

NEXT SURVEY REQUIRED ON _____ APPROVED BY _____
RADIATION SAFETY OFFICER

WHITE COPY—TO BE RETURNED TO CUSTOMER AFTER VERIFICATION YELLOW COPY CUSTOMER FILES PINK COPY—DGC FILES GOLDENROD COPY—PRELIMINARY COPY

NRC INDUSTRIES

NUCLEAR RESEARCH CORPORATION

DATE: November 6, 1992

TO: Paul Sysla
Masonite

FROM: M Schwager

FAX NO: 717-265-4336

OF PAGES INCLUDING COVER 1

Nuclear Research Corporation's U.S. NRC License No. 37-02401-01

NRC Part Number for Leak Test Kit - 703582

If you do not receive the number of pages indicated, please call (215) 343-5900.

125 TITUS AVENUE WARRINGTON, PA 18976 Phone: (215) 343-5900 FAX No.: (215) 343-4670

OFFICIAL RECORD COPY

ML 10

117187

CONVERSATION RECORD

TIME: 3:25 PM

DATE: 11/2/92

TYPE: ☐ VISIT ☐ CONFERENCE ☒ TELEPHONE ☐ INCOMING ☒ OUTGOING

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU	ORGANIZATION (Office, dept., bureau, etc.)	TELEPHONE NO.
Paul Sykes	International Paper Co.	(717) 265-9121

SUBJECT: Additional questions for New License 37-28744-01

ROUTING	
NAME/SYMBOL	INT

SUMMARY

He was not in. Left message on the answering machine.

3:35 PM Left a message with Mr. Michael Steele.

4:15 PM Spoke with Mr. Steele and went over deficiencies in application. He will draft a letter for signature by management and fax it to us.

ACTION REQUIRED

Document/Complete Telephone Inquiry Letter

NAME OF PERSON DOCUMENTING CONVERSATION	SIGNATURE	DATE
Steven Courtemanche	Steven Courtemanche	11/2/92

ACTION TAKEN

SIGNATURE	TITLE	DATE

50271-101 ☆U.S. G.P.O. 1983-381-526/8345

CONVERSATION RECORD

OPTIONAL FORM 271 (12-76) DEPARTMENT OF DEFENSE

117187

LICENSE NO.
DOCKET NO. 30-32937
CONTROL NO. 117187

NAME INTERNATIONAL PAPER CO.

ATTN: M. L. STEELE, ENVIRON. ENGNR.

ADDRESS P. O. BOX 311
TOWANDA, PA 18848-

~~GENTLEMEN~~, Dear Mr. Steele:

/ / THIS IS TO CONFIRM THE TELEPHONE CONVERSATION ON _____

BETWEEN YOURSELF AND _____ OF THIS OFFICE.

OR

/X/ THIS IS TO CONFIRM OUR TELEPHONE CONVERSATION ON 11/2/92.

THE INFORMATION NEEDED TO CONTINUE REVIEW OF YOUR

APPLICATION DATED 9/10/92 WAS DISCUSSED.

THESE ITEMS ARE RESTATED BELOW:

1. A cover letter signed by an official who can speak for the company should be drafted consuming with all of the commitments made in the application.

2. Name one person who will be responsible for the radiation safety program.

3. List the duties and responsibilities of the responsible individual.

4. Describe your leak test procedures, who shall analyze the samples, and the model number of the leak test kit.

IF WE DO NOT RECEIVE A REPLY FROM YOU WITHIN 30 CALENDAR DAYS

FROM THE DATE OF THIS LETTER, WE SHALL ASSUME THAT YOU DO NOT

WISH TO PURSUE YOUR APPLICATION.

SINCERELY,

Steven R. Courtemanche
~~NUCLEAR MATERIALS SAFETY SECTION~~
NUCLEAR MATERIALS SAFETY BRANCH

CONCURRENCES: Courtemanche

OFFICIAL RECORD COPY

ML 10

NRC FORM 313
(1-84)
10 CFR 30, 32, 33, 34, 35 and 40

APPENDIX A
APPLICATION FOR MATERIAL LICENSE

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED BY OMB
3150-0120
Expires 8-31-87

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.

FEDERAL AGENCIES FILE APPLICATIONS WITH:

U.S. NUCLEAR REGULATORY COMMISSION
DIVISION OF FUEL CYCLE AND MATERIAL SAFETY, NMSS
WASHINGTON, DC 20555

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS, IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I
NUCLEAR MATERIAL SECTION B
631 PARK AVENUE
KING OF PRUSSIA, PA 19406

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION II
MATERIAL RADIATION PROTECTION SECTION
101 MARIETTA STREET, SUITE 2900
ATLANTA, GA 30323

IF YOU ARE LOCATED IN:

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

U.S. NUCLEAR REGULATORY COMMISSION, REGION III
MATERIALS LICENSING SECTION
799 ROOSEVELT ROAD
GLEN ELLYN, IL 60137

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
MATERIAL RADIATION PROTECTION SECTION
611 RYAN PLAZA DRIVE, SUITE 1000
ARLINGTON, TX 76011

L&L 28794
030-32937

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION V
MATERIAL RADIATION PROTECTION SECTION
1450 MARIA LANE, SUITE 210
WALNUT CREEK, CA 94596

03120

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 JURISDICTION.

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

- [X] A. NEW LICENSE
- [ ] B. AMENDMENT TO LICENSE NUMBER _____
- [ ] C. RENEWAL OF LICENSE NUMBER _____

2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip Code)

Masonite Division of International Paper Co.
P O Box 311
Towanda PA 18848

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Masonite Road
Wysox PA 18854

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION: M. L. Steele

TELEPHONE NUMBER: (717) 265-9121

SEP 28 PM 12:16

SUBMIT ITEMS 5 THROUGH 11 ON 8½ 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 AND EXPERIENCE

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS

9. FACILITIES AND EQUIPMENT

10. RADIATION SAFETY PROGRAM

11. WASTE MANAGEMENT

12. LICENSEE FEES (See 10 CFR 170 and Section 170.31)
FEE CATEGORY: 3P
AMOUNT ENCLOSED $: 540.00

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, 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.

SIGNATURE—CERTIFYING OFFICER	TYPED/PRINTED NAME	TITLE	DATE
M L Steele	M. L. Steele	Environmental Engineer	9/10/92

14. VOLUNTARY ECONOMIC DATA

a. ANNUAL RECEIPTS
- [ ] <$250K
- [ ] $250K–500K
- [ ] $500K–750K
- [ ] $750K–1M
- [ ] $1M–2.5M
- [ ] $2.5M–7M
- [ ] $7M–10M
- [ ] >$10M

b. NUMBER OF EMPLOYEES (Total for entire facility, excluding outside contractors)

c. NUMBER OF BEDS

d. WOULD YOU BE WILLING TO FURNISH COST INFORMATION (Dollar and/or staff hours) ON THE ECONOMIC IMPACT OF CURRENT NRC REGULATIONS OR ANY FUTURE PROPOSED NRC REGULATIONS THAT MAY AFFECT YOU? (NRC regulations permit it to protect confidential commercial or financial—proprietary—information furnished to the agency in confidence)

- [ ] YES
- [ ] NO

SEP 26

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	COMMENTS	APPROVED BY
APP	Oct 2 I	3P	Remitter: Masonite Corp	[signature]
AMOUNT RECEIVED	CHECK NUMBER			DATE
$540	3062402			10/2/92

PRIVACY ACT STATEMENT ON THE REVERSE

OFFICIAL RECORD COPY ML 10

11.187

SEP 22 1992

NRC Form 313

APPLICATION FOR MATERIAL LICENSE

Item 5 Radio Active Material

a) Curium - 244, Amersham Model CLC.D1
   Special Form GB/143/S
b) Data Measurement Corporation model CM-E8
c) 1000 millicuries mCi (37 GBq) per source

Item 6 Purpose

The gauge will be used to monitor and control thickness and weight in the manufacture of wood fiber board (hardboard) building products.

Item 7 Responsible Individuals

The responsible individuals will be:

Mr. Frank Bitting - Operations Maintenance & Support Engineer
Mr. John Teel - Production Supervisor
Mr. Michael Steele - Environmental Engineer

At the time of start-up and commissioning DMC will train the responsible individuals the maintenance personnel and any operators that may be in charge of the gauge at any point in time. Because DMC will handle any services the gauge may require, the training at start-up will be sufficient. That training typically includes one to two hours of Basic Radiation Safety and one to two hours of hands-on operation of the gauge under normal and emergency conditions. The training will be documented and kept on file for up to five years after the date of training.

Training will also cover the proper procedures for wipe testing should Masonite elect to do these tests using kits provided by DMC.

Item 8 Training

Those named in Item 7 are the only "Responsible Individuals" who will be allowed to operate the gauge. Any other Masonite employees who are required to operate the gauge will have similar training and that training will also be documented.

Item 9 Facilities and Equipment

The DMC CM-E8 gauge will be located in the northeast corner of the main mill building at Masonite Division's Towanda plant, Wysox Township, PA. See the attached arrangement drawing E-03-C-1852. The unit is located in the matt forming area (after the matt cross cut saw and prior to the pre-press spray station) of Production Line II. The unit will be installed approximately 8 ft above the plant's ground floor level.

The environment where the gauge will be installed can be somewhat dusty (wood dust) with the possibility of some minor overspray from the pre-press spray station entering the area. Vibration is not expected to be a concern. The environment is dry and not considered corrosive or hot.

Routine maintenance procedures will include inspection of the air cleaner for water, inspect warning signs for legibility, and warning lights for functionality.

Emergency procedures are listed on the attached "Emergency Response Information" sheet.

Item 10

DMC, the gauge manufacturer, will perform all the necessary service operation to this equipment. Including, but not limiting to installation, initial radiation survey, maintenance, leak-testing, and device removal. In the interest of safety, a Monitor 4 radiation survey meter as manufactured by SE International capable of measuring 0 to 50 mR per hour will be located on-site. The meter will be calibrated annually by the manufacturer. Due to the low levels of radiation around the gauge under normal operating conditions Personnel Monitoring Equipment will not be required.

Leak-tests will be carried out every six months by the gauge manufacturer. The results of these tests will be kept on file for at least five years from the date of the test.

Due to the narrow gap between the source and detector, it is highly unlikely for an individual to accidentally be exposed to the main beam. In the event of a loss of power or air supply to the gauge, the shutter will automatically close.

Should Masonite elect to perform the leak testing using kits provided by DMC, the procedures taught during the training noted earlier, will be employed.

Item 11

The disposal of this device will be handled by the manufacturer.

EMERGENCY RESPONSE INFORMATION

(as required by USG-17 "Dangerous Goods Regulations, Edition 32")

DATA MEASUREMENT CORPORATION/USA
Emergency Contact Telephone: (301)948-9559

DESCRIPTION OF DANGEROUS GOODS:
Radioactive Material N.O.S. or Radioactive Material Special Form

IMMEDIATE HAZARDS TO HEALTH:
If the integrity of the sealed source capsule is breached, exposure to gamma or beta radiation is possible.

RISK OF FIRE OR EXPLOSION
None

IMMEDIATE PRECAUTIONS TO BE TAKEN IN THE EVENT OF AN ACCIDENT OR INCIDENT AND INITIAL METHODS FOR HANDLING LEAKS IN THE ABSENCE OF A FIRE:

Isolate the device and the immediate area by roping off the area. If a gas, hold breath and vacate the area until air surveys and be made. If contamination on the skin, flush thoroughly with water and discard outer protective clothing without spreading the contaminated material.

Notify the radiation safety officer or responsible individual using the 24-hour emergency phone number.

Survey radiation levels around the device.

Make sure the device shutter is in the OFF or Closed position or that the source is properly shielded.

Limit access to the device until a leak test can be performed and source integrity is established.

Have the area decontaminated by a licensed decontamination company before permitting work to resume.

Prepare a complete history of the event and subsequent actions taken for records and notifications of appropriate state and or governmental agencies.

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RECORDS AND REPORTS MANAGEMENT BRANCH

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 03120
STATUS CODE: 3
CATEGORY: ----------
DATE: 0
FEE COMMENTS: ----------
DECOM FIN ASSUR REQD:

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
APPLICANT/LICENSEE: INTERNATIONAL PAPER CO.
RECEIVED DATE: 920922
DOCKET NO: 03032937
CONTROL NO.: 117187
LICENSE NO.:
ACTION TYPE: NEW LICENSEE

2. FEE ATTACHED
AMOUNT: $540.00
CHECK NO.: 3062402

3. COMMENTS

SIGNED Rebecca J. Brown
DATE 9/23/92

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED /✓/)

1. FEE CATEGORY AND AMOUNT: 3P $540.

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:
AMENDMENT ----------
RENEWAL ----------
LICENSE ----------

3. OTHER ----------

SIGNED BBrown
DATE 10/2/92