

MATERIALS LICENSE

Amendment No. 20

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		In accordance with letter dated August 12, 1996	
1. S. D. Warren Company A Subsidiary of Scott Paper Company		3. License Number 21-09339-01 is amended in its entirety to read as follows:	
2. 2400 Lakeshore Drive Muskegon, MI 49441		4. Expiration Date November 30, 2003	
		5. Docket or Reference No. 030-04882	
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 (Ohmart Model A-2102)	A. No single source to exceed 150 millicuries	
B. Cesium-137	B. Sealed sources [Industrial Nucleonics (Nuclear Research Corporation) Model No. S-6]	B. No single source to exceed 1,000 millicuries	
C. Iron-55	C. Sealed source (Amersham Model No. IEC 1337)	C. No single source to exceed 100 millicuries each	
D. Cesium-137	D. Sealed source (Kay-Ray, Inc. Model 7700A, B, C, or D series)	D. Two sources not to exceed 100 millicuries each	
E. Cesium-137	E. Sealed sources	E. See Item 9.E.	

9610070054 960923
PDR ADOCK 03004882
C PDR

COPY

230
50

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

21-09339-01

Docket or Reference Number

030-04882

Amendment No. 20

9. Authorized Use:

- A. To be used in Ohmart Model HM-8 source holder for measurement of density of materials.
- B. To be used in Industrial Nucleonics (Nuclear Research Corporation) SH-300 series level detector for level measurement.
- C. To be used in Sentrol Systems, Inc. Model No. 8210 source holder for on-line measurement of inorganic additives in paper.
- D. For use in Kay-Ray, Inc. Model 7062BP source holder for density measurements.
- E. For possession and use in Texas Nuclear Corporation devices which have been evaluated and approved for licensing purposes and authorized for distribution under a license issued by the U.S. Nuclear Regulatory Commission or an Agreement State.

CONDITIONS

- 10. Licensed material shall be used only at the licensee's facilities located at 2400 Lakeshore Drive, Muskegon, Michigan.
- 11. The Radiation Safety Officer for this license is Vicki D. Garvey.
- 12. Licensed material shall be used by, or under the supervision of, Vicki D. Garvey.
- 13.
 - A. Sealed sources and detector cells shall be tested for leakage and/or contamination at 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 or detector cell received from another person shall not be put into use until tested.

COPY

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

21-09339-01

Docket or Reference Number

030-04882

Amendment No. 20

- D. The leak test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. 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 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 III, ATTN: Chief, Nuclear Materials Safety Branch, 801 Warrenville Road, Lisle, Illinois 60532. The report shall specify the source involved, the test results, and corrective action taken.
- E. The licensee is authorized to collect leak test samples for analysis by Texas Nuclear Corporation or Kay-Ray, Inc. 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. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
15. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license.
16. Installation, initial radiation survey, relocation, removal from service, maintenance, and repair of devices containing sealed sources shall be performed by the device manufacturer or by persons specifically licensed by the Commission or an Agreement State to perform such services. 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.
17. 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.
18. 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.

COPY

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number

21-09339-01

Docket or Reference Number

030-04882

Amendment No. 20

19. 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.
20. 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 NRC.
21. 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 U.S. 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 March 24, 1993; and
 - B. Letter dated November 15, 1993.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date

Sept 23, 1996

By

Erlyn R. Moten
Nuclear Materials Licensing Branch, Region III

COPY

(FOR LFMS USE)
INFORMATION FROM LTS

R9

BETWEEN:

License Fee Management Branch, ARM
and
Regional Licensing Sections

Program Code: 03120
Status Code: 0
Fee Category: 3P
Exp. Date: 20031130
Fee Comments:
Decom Fin Assur Req'd: N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: S. D. WARREN COMPANY
Received Date: 960819
Docket No: 3004882
Control No.: 301741
License No.: 21-09339-01
Action Type: Amendment

2. FEE ATTACHED

Amount: 600
Check No.: 000622

3. COMMENTS

Signed
Date

D. Harney
8-23-96

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

1. Fee Category and Amount:

3P

\$300

2. Correct Fee Paid / Application may be processed for:

Amendment ☒
Renewal ☐
License ☐

3. OTHER

Signed
Date

SC

8/27/96

SEP 03 1996

Log Aug 11 III
Remitter
Check No. 026 000622
Amount \$600 (#300)
Fee Category 3P
Type of Fee
Date Check Rec'd 8/26/96
Date Completed 8/27/96
By: SC
Refund \$300

1996 AUG 26 AM 11:19

WARREN

August 12, 1996

U.S. Nuclear Regulatory Commission
Region III
Material Licensing Section
801 Warrenton Road
Lyle IL 60532-4351

Subject: Amendment to Material License No. 21-09339-01

Please be advised that the Radiation Safety Officer for S.D. Warren's Muskegon Mill has changed from Steward R. Hall, Jr. to myself, Vicki D. Garvey. A copy of my training certification is enclosed. Licensed material will be used by me or under my supervision.

I have a concern with Item 8.F. It reads: See Item 6.F. Prior to amendment No. 17 it read: See Item 9.F. I believe the latter to be the correct version.

Leak testing on Kay-Ray source housing will be performed using Kay-Ray, Inc. Model A kits, which have been approved by the NRC for use in the wiping of Kay-Ray source housings.

We wish to have our license worded to allow a three-year source wipe interval on the Kay-Ray sources listed. An extension has been granted to Kay-Ray allowing a three-year interval for source wiping and we wish to have our license reflect this extended test period.

We also wish to inform you of a transfer of a source for disposal to OHMART Corporation of Cincinnati, Ohio.

<u>Source Serial No.</u>	<u>Isotope</u>	<u>MCI Value</u>	<u>Device Model</u>
60452	CS-137	150	SHRM-PA-MOR-740844

Enclosed is a copy of the letter acknowledging receipt and the transfer of ownership by OHMART Corporation and our check for \$600.00 for the amendment fee.

Sincerely,

S.D. WARREN COMPANY

Vicki D. Garvey

Vicki D. Garvey
Radiation Safety Officer

VDG:ks
Enclosures

pm: 8-14-96

S. D. WARREN COMPANY 2400 LAKESHORE DRIVE PO BOX 0119 MUSKEGON MI 49443-0119 T (616) 255-8900

WARREN

A Sappi Group Company

RECEIVED

AUG 19 1996

REGION III

301741
AUG 19 1996

Kay-Ray/Sensall

Kay-Ray/Sensall, Inc.
1400 Business Center Drive
Mount Prospect, IL 60056-6063 USA
Tel 1 (847) 803-5100
Fax 1 (847) 803-5466

June 5, 1996

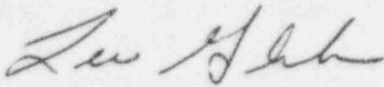
Ms. Vicki D. Garvey
S.D. Warren Company
2400 Lakeshore Drive
Muskegon MI 49441

Dear Ms. Garvey:

Enclosed please find the Certification of Training awarded to you for the successful completion of the Kay-Ray/Sensall Installation and Nuclear Radiation Safety Course presented on May 6 thru May 10, 1996.

It was our pleasure to present this course to you and trust that it met with your approval. Please feel free to contact us if you have any questions regarding this matter.

Very truly yours,



Lee Gleba
Field Service Administrator

Encls.
test, letter of certification and certificate of completion

CERTIFICATION OF TRAINING

NAME: VICKI D. GARVEY
COMPANY: S.D. WARREN COMPANY

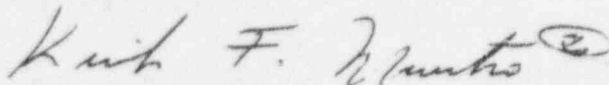
The above named individual has successfully completed the 40 hour, "INSTALLATION AND NUCLEAR RADIATION SAFETY COURSE offered by Kay-Ray/Sensall, Inc., consisting of the following curriculum:

- Principles and practices of radiation protection (8 hours)
- Monitoring radiation levels using Geiger counters (4 hours)
- Radiation exposure limits (4 hours)
- Radiation areas defined (4 hours)
- Calculating radiation levels from known gamma source size and distance (2 hours)
- Calculating dose rates of typical installation (6 hours)
- Leak testing Kay-Ray source housings (2 hours)
- Safety practices required for the use and handling of Kay-Ray source housings (8 hours)
- Installation of source housings demonstration and hands-on installation (2 hours)

The training course also includes discussions on practical applications installations, leak testing procedures, radiation surveys, completion of related forms, and NRC Rules and Regulations as it applies to Industry.

Certified on Equipment Models: 7050, 7050B, 7051, 7051B, 7052, 7054, 7062, 7062B, 7062BP, 7062H, 7062P, 7062PH, 7063, 7063S, 7063P, 7063PS, 7063PH, 7064, 7064P, 7067, 7067P, 7069, 7069P, 7080, 7100A, 7100B, 7100 7102, 7103, 7104, 7105, 7106, 7107, 7060SD, and 7108.

Instructor: Raymond Parsons
Date: May 10, 1996



Kirk F. Maranto
Customer Service Manager

Training Certificate

This is to certify that

Vicki D. Garvey

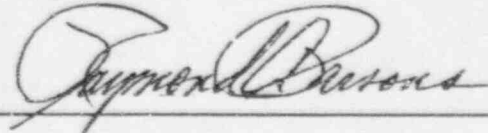
has successfully completed factory training in:

Radiation Safety School

In accordance with this specific program
this certificate is issued:

May 10, 1996

Date



Instructor

Kay-Ray/Sensall

FISHER-ROSEMOUNT Managing The Process Better.

OHMART

April 16, 1996

S. D. Warren
P. O. Box 119
Muskegon, MI 49443-0119

Attn: Vicki ^{Gr}Harvey

Re: Your P.O. MKL-027
Ohmart S.O. # MI96-130-0967

Vicki:

This is to acknowledge the receipt of the following:

One (1) SHRM-PA source holder containing 150 mCi Cesium-137, shop order 40844, serial number 60452.

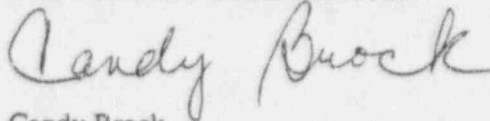
This shipment was received on Ohmart Receiving Record #9437, dated March 29, 1996.

We accept this material and the transfer of ownership to Ohmart. We will handle it in strict accordance with the provisions of our license, with the regulations of the U.S. Nuclear Regulatory Commission, the regulations of the U.S. Department of Transportation and any other applicable laws or regulations.

If you have any additional questions, please do not hesitate to contact us.

Sincerely,

THE OHMART CORPORATION



Candy Brock
Customer Support Manager
Field Service Department

Ohmart's NRC License Number
34-00639-01

c: File
Sales

**DIVISION OF ACCOUNTING AND FINANCE
REQUEST FOR REFUND TO EMPLOYEE/VENDOR**

THE EMPLOYEE/VENDOR IDENTIFIED BELOW HAS OVERPAID THE NUCLEAR REGULATORY COMMISSION FOR GOODS AND/OR SERVICES PROVIDED AND IS DUE A REFUND

EMPLOYEE/VENDOR/PAYEE CODE: _____

NAME: S.D. Warren Co.

ADDRESS: Attn: Vicki D. Garvey, RSO

ADDRESS: 2400 Lakeshore Drive P.O. Box 0119

CITY: Muskegon STATE: MI ZIP: 49443-0119

TRANS CODE: PX

TRANS TYPE: FE FUND: X5280 JOB CODE: _____ AMOUNT: \$300

TRANS TYPE: IR FUND: R1435 JOB CODE: INTR AMOUNT: _____

TRANS TYPE: IR FUND: R1099 JOB CODE: ADCH AMOUNT: _____

TRANS TYPE: IR FUND: R1099 JOB CODE: FINE AMOUNT: _____

TOTAL REFUND AMOUNT: \$300

COMMENTS: Lic 21-09339-01/CK 622/RFND

8/12/96 Reg

(Limit comments to 40 characters, including spaces)

PREPARED BY: Shirley Crutchfield DATE: August 28, 1996

AUTHORIZED BY: Sandra Kennedy DATE: 8/28/96

ORIGINAL INV. NO: _____ DATE PAID: _____ AMOUNT: _____

REFUND ENTERED INTO COLLECT BY: _____

REFUND DETERMINED BY: _____ DATE: _____

PLEASE ATTACH APPROPRIATE SUPPORTING DOCUMENTATION

Aug 11 III
3P AMD \$300
OK 622 wtd
8/14/96 (\$600)

301741

SEP 24 1996

Vicki D. Garvey
Radiation Safety Officer
S. D. Warren Company
A Subsidiary of Scott Paper
Company
2400 Lakeshore Drive
Muskegon, MI 49441

Dear Ms. Garvey:

Enclosed is Amendment No. 20 to your NRC Material License No. 21-09339-01 in accordance with your request.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

Please be advised that your license expires at the end of the day, in the month, and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Notify NRC, in writing, within 30 days:
 - a. When the Radiation Safety Officer permanently discontinues performance of duties under the license or has a name change; or
 - b. When the licensee's mailing address changes (no fee is required if the location of byproduct material remains the same).
3. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license when you decide to terminate all activities involving materials authorized under the license.
4. Request and obtain a license amendment before you:
 - a. Change Radiation Safety Officers;

301741

- b. Order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license;
 - c. Add or change the areas of use or address or addresses of use identified in the license application or on the license; or
 - d. Change ownership of your organization.
5. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. A license will not normally be renewed, except on a case-by-case basis, in instances where licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, or 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. Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Sincerely,
Original Signed By
Evelyn R. Matson
Nuclear Materials Licensing Branch

License No.: 21-09339-01
Docket No.: 030-04882

Enclosure: Amendment No. 20

DOCUMENT NAME: M:\03004882.CL6

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	DNMS/RIII <i>EM</i>	<input checked="" type="checkbox"/>							
NAME	EMATSON:jaw								
DATE	08/29/96								

OFFICIAL RECORD COPY