

MATERIALS LICENSE

Amendment 05

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) 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.

398601

Licensee		In accordance with application dated May 17, 1995	
1. Minnesota Department of Transportation Materials and Research Laboratory		3. License Number 22-13006-02 is renewed in its entirety to read as follows:	
2. 1400 Gervais Avenue Maplewood, MN 55109		4. Expiration Date September 30, 2001	
		5. Docket or Reference No. 030-31530	
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. Americium-241	A. Sealed source (Troxler Dwg. No. A-102700)	A. Two sources not to exceed 11 millicuries each	
9. Authorized Use:			
A. To be used in Troxler Model 4300 series gauges.			

CONDITIONS

10. Licensed material shall be used at the licensee's facility located at the Materials and Research Laboratory, 1400 Gervais Avenue, Maplewood, Minnesota and at temporary job sites of the licensee anywhere within the State of Minnesota.
11. Licensed material shall only be used by, or under the supervision and in the physical presence of John Zollars or individuals who have successfully completed the manufacturer's training program for gauge users, have been instructed in the licensee's routine and emergency operating procedures and who have been designated by the Radiation Safety Officer.
12. The Radiation Protection Officer for the activities authorized by this license is John Zollars.
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 specified by the certificate of registration referred to in 10 CFR 32.210.
B. 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.

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PDR ADDCK 03031530
C PDR

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**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number
22-13006-02

Docket or Reference Number
030-31530

Amendment No. 05

- C. Sealed sources need not be leak tested if:
- (i) they contain only hydrogen-3; or
 - (ii) they contain only a radioactive 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 transferred 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.
- 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 60532-4351. 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 Troxler or tests for leakage and/or contamination shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
14. Sealed sources containing licensed material shall not be opened or removed from the gauges by the licensee.
15. When performing tests at temporary job sites, the authorized user shall not leave the moisture/density gauge unattended. Upon completion of tests the device shall be locked in the licensee's vehicle or a secure building to prevent unauthorized use, loss or theft.
16. Each portable nuclear gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport, storage, or when not under the direct surveillance of an authorized user.

COPY

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17. The licensee may transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
18. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license.
19. Any cleaning, maintenance, or repair of the gauge(s) that requires removal of the source rod shall be performed only by the manufacturer or by other persons specifically licensed by the Commission or an Agreement State to perform such services.
20. 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 May 17, 1995; and
 - B. Letter dated August 28, 1996.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date

Oct. 27, 1996

By

Patricia M. Vacherion

Nuclear Materials Licensing Branch, Region III

COPY

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 03121
STATUS CODE: 2
FEE CATEGORY: 3P
EXP. DATE: 19950630
FEE COMMENTS:
DECOM FIN ASSUR RECDT N

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED
APPLICANT/LICENSEE: MINNESOTA DEPT. OF TRANSPORTATION
RECEIVED DATE: 950522
DOCKET NO: 3031530
CONTROL NO.: 398601
LICENSE NO.: 22-13006-02
ACTION TYPE: RENEWAL

2. FEE ATTACHED
AMOUNT: 680
CHECK NO.: 17238

3. COMMENTS

SIGNED
DATE

D. Hersey
5/26/95

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

1. FEE CATEGORY AND AMOUNT: 3P \$680

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

3. OTHER

SIGNED
DATE

SC
5/26/95

RECEIVED
MAY 30 1995
REGION III

Log	May 13 III
Remitter	
Check No.	17238
Amount	\$680
Fee Category	3P
Type of Fee	Renewal
Date Check Rec'd	5-25-95
Date Completed	5-26-95
By:	SC

105 MAY 25 PM 12:11

(10-94)
10 CFR 30, 32, 33
34, 35, 36, 39 and 40

APPLICATION FOR MATERIAL LICENSE

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 9 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. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (T-6 F33), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0120), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

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:

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

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

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

LICENSING ASSISTANT SECTION
NUCLEAR MATERIALS SAFETY BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

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

NUCLEAR MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION II
101 MARIETTA STREET, NW, SUITE 2900
ATLANTA, GA 30323-0199

IF YOU ARE LOCATED IN:

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

MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
801 WARRENVILLE RD.
LISLE, IL 60532-4351

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:

NUCLEAR MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
811 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-8064

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 22-13006-02

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

Minnesota Department of Transportation
Materials & Research Laboratory
1400 Gervais Avenue
Maplewood, MN 55109

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

Minnesota Department of Transportation
Materials & Research Laboratory
1400 Gervais Avenue
Maplewood, MN 55109

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

John Zollars

TELEPHONE NUMBER

(612) 779-5520

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. see attached

- 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.

see attached

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

see attached

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

see attached

9. FACILITIES AND EQUIPMENT

see attached

10. RADIATION SAFETY PROGRAM

see attached

11. WASTE MANAGEMENT

see attached

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

FEE CATEGORY 3P

AMOUNT
ENCLOSED \$ 680.00

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

Richard H. Sullivan, Director Office of Mn/ROAD Research

SIGNATURE

R.H. Sullivan

DATE

5/17/95

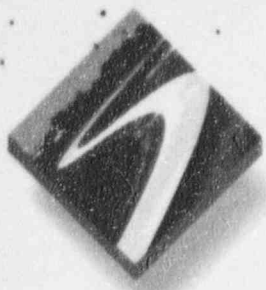
FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	

398601

RECEIVED

MAY 22 1995



MnROAD

Office of Minnesota Road Research

Mail Stop 645
1400 Gervais Avenue
Maplewood, MN 55109

Office tel: 612/779-5500
Fax: 612/779-5616

*Building A Better Foundation
For The Future*

May 17, 1995

United States
Nuclear Regulatory Commission
Washington, D.C. 20555-0001

Gentlemen:

Enclosed is our application for license renewal (22-13006-02), documents which reflect our current program and renewal fee.

Minnesota Department of Transportation
Materials and Research Laboratory
1400 Gervais Avenue
Maplewood Minnesota 55109

RECEIVED
MAY 22 1995
REGION III



NRC FORM 200 (9-89)		U.S. NUCLEAR REGULATORY COMMISSION		INVOICE NUMBER	
		INVOICE		R5001	
MAKE CHECKS PAYABLE TO THE U.S. NUCLEAR REGULATORY COMMISSION, REFERENCE THE INVOICE NUMBER ON REMITTANCE, AND MAIL TO:				INVOICE DATE	
U.S. NUCLEAR REGULATORY COMMISSION DIVISION OF ACCOUNTING AND FINANCE OFFICE OF THE CONTROLLER WASHINGTON, DC 20005				05/09/95	
TO: Minnesota Department of Transportation Materials and Research Laboratory 1400 Gervais Avenue Maplewood, Minnesota 55109				LICENSE NUMBER (if applicable)	
				REFERENCE NUMBER (if applicable)	
				CONTACT:	
				NAME	
				TELEPHONE	
				Douglas Weiss	
				415-7348	
				AREA CODE 301	
DESCRIPTION				AMOUNT	
Cost associated with request for renewal of License No. 22-13006-02					
Billing amount:				\$680.00	
NA6 Vendor number (9)				Ind. (1)	
Vendor's invoice and/or customer account number (20)					
Dept. Division Sequence (5) Suffix Dept. F.O. (6) Object (9)					
Payment amount Occur date (6) CC1 (3) CC2 (3) CC3 (3)					
(Invoice received) Cost code 4 (20) CC5 (6)					
I hereby verify that the goods or materials covered by this claim have been inspected and received or the services have been performed, and are in accordance with specifications and are in proper form, kind, amount, and quality, and payment therefor is hereby recommended.					
Transaction date and number Dept. authorized signature					
FI-00384-02 (12/81)					
AMOUNT DUE (See Terms)				\$680.00	
TERMS. Interest will accrue from the invoice date at the annual rate of <u>3</u> %. Payment is due immediately. However, interest will be waived if payment is received within 30 days from the invoice date. Penalty and administrative charges will be assessed on a delinquent invoice. Additional terms and conditions are attached, if applicable.					
NOTE. If there are any questions about the existence or amount of the debt, contact the individual named above. For NRC debt collection procedures, including interest and penalty provisions, see 31 U.S.C. 3717, 4 CFR 101-106, and 10 CFR 15.					

May 17 1995

5. RADIOACTIVE MATERIAL

- A. Element and mass number.- Americium - 241
- B. Chemical and/or physical form.- sealed source (Troxler Dwg. No. A-102700)
- C. Maximum amount which will be possessed at any one time.
Two sources not to exceed 11 millicuries each

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

- A. To be used in Troxler Model 4300 series gauge

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

John W Zollars

- 8 hrs - Troxler Electronics Laboratory, Inc.
- 8 hrs - Seaman Nuclear Corporation
- 5 Yrs - On job experience

Craig A Schrader

- 8 hrs - Troxler Electronics Laboratory, Inc.
- 8 hrs - Seaman Nuclear Corporation
- 5 Yrs - On job experience

Greg D Johnson

- 8 hrs - Troxler Electronics Laboratory, Inc.
- 8 hrs - Seaman Nuclear Corporation
- 2 Yrs - On job experience

8. TRAINING FOR INDIVIDUAL(S) WORKING IN OR FREQUENTING RESTRICTED AREAS.

- A. Licensed material shall be used by, or under the supervision and in the physical presence of, individuals who have successfully completed the device manufactures training program for gauge users and have been designated by the licensee's Radiation Safety Officer. The licensee shall maintain records of the individuals who have been designated as authorized users.

9. FACILITIES AND EQUIPMENT.

- A. Licensed material shall be used at the licensed facility located at the Materials and Research Laboratory, 1400 Gervais Avenue, Maplewood, Minnesota and at temporary job sites of the licensee anywhere within the State of Minnesota. When not in use it is stored in dedicated locked storage away from the occupied portion of the facility.

10. RADIATION SAFETY PROGRAM.

- A. The gauges in the possession of the Minnesota Department of Transportation, Materials and Research Laboratory will be used only by personnel who have completed the manufacture's training course. Training Certificates will be kept on file with this department as long as these persons remain in our employ.

- B. The Radiation Safety Officer for this laboratory is Mr. John Zollars who has completed the manufactures training course and has worked with the equipment. His duties will include:

1. Ensuring that gauges are operated by or under the direct supervision of manufacturer trained personnel.
2. Ensuring that all operators have, and use personal monitoring badges when operating gauges.
3. Overseeing the proper storage and security of gauges when they are not in use.
4. Maintaining all required records to assure that the conditions of the license are met.
5. Exercise the authority given him to halt or suspend any operation or project involving equipment under his supervision if it poses a threat to health or property.

- C. When equipment is transported from storage to the Mn/DOT research site it will be transported in compliance with appropriate rules. Each gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport, storage, or when not under the direct surveillance of an authorized user.

D. Personal Monitoring Badges type W (whole Body Dosimeter) will be provided by Troxler Radiation Monitoring Services and are changed quarterly. Monitoring badges will comply with 10 CRF part 20 which went into effect January of 1994.

E. Leak testing will be performed by our own personnel, using kits provided by the manufacturer of the gauge. Leak test will be performed every six months.

11. WASTE MANAGEMENT

A. No waste materials is generated.

DELETIONS

5. RADIOACTIVE MATERIAL

- A. Troxler Model 3241-C Nuclear Moisture Gauge serial number 1839 source number 607305 transferred to Lake Land College 5001 Lakeland Boulevard Mattoon, Illinois 61938. State of Illinois Department of Nuclear Safety license number 11-01860-01.
- B. Troxler Model 3241-C Nuclear Moisture Gauge serial number 1840 source number 607315 transferred to Braun Intertec Engineering Inc. 6801 Washington Ave. South P.O. Box 39108 Minneapolis, Minnesota 55439 - 0108. NRC license number 22-16537-01.
- C. Troxler Model 4430 Cement Moisture Gauge was not purchased - returned to Troxler.

Americium-241
Californium-252

Troxler Dwg No. A-106510
Troxler Dwg No A-105779

SEP 30 1996

John Zollars
Radiation Safety Officer
Minnesota Department
of Transportation
1400 Gervais Ave.
Maplewood, MN 55109

Dear Mr. Zollars:

Enclosed is Amendment No. 05 renewing NRC Material License No. 22-13006-02 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 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 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(h) and/or license condition, notify NRC, promptly, in writing, and request termination of the license:
 - a. When you decide to terminate all activities involving materials authorized under the license; or
 - b. If you decide not to complete the facility, acquire equipment, or possess and use authorized material.
4. Request and obtain a license amendment before you:
 - a. Change Radiation Safety Officers;

398601

- 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, 10 CFR Part 2, Appendix C. 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
Patricia M. Vacherlon
Nuclear Materials Licensing Branch

License No.: 22-13006-02
Docket No.: 030-31530

Enclosures: 1. Amendment No. 05
2. NRC Forms 3 and 313

DOCUMENT NAME: M:\03031530.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	DRSS/RIII								
NAME	PVacherlon:jaw								
DATE	9/16/96 <i>Pmm</i>								

OFFICIAL RECORD COPY

JUL 3 0 1996

Richard H. Sullivan, Director
Office of Minnesota Road Research
Minnesota Department of Transportation
Materials & Research Laboratory
1400 Gervais Avenue
Maplewood, MN 55109

Dear Mr. Sullivan:

We have reviewed your May 17, 1995, request for renewal of your license number 22-13006-02, and find that in order to complete our review, we will need additional information as follows:

1. PURPOSE FOR WHICH MATERIAL WILL BE USED

State whether any of the gauges specified in your application can penetrate the ground to depths greater than three feet. If so, you must provide additional operating and handling procedures. Refer to Item 6 of the enclosed guide.

2. RADIATION SAFETY OFFICER

Refer to the Item 7 of the enclosed guide and provide us with:

- a. A commitment from management that the RSO is authorized to stop unsafe operations.
- b. Methods and checks to assure that you have all up-to-date regulations, etc.
- c. Compare the RSO duties submitted to those outlined in the guide. Please add any additional information not contained in your original submittal.
- d. Submit an organizational chart as described in the guide.

3. TRAINING PROVIDED TO OTHER USERS

Provide a commitment that you will conduct annual refresher training for you employees and the training will cover the topics outlined in the enclosed guide.

4. RADIATION DETECTION INSTRUMENTS

Provide the information regarding an operating survey instrument at each job site. Refer to Item 10.2 in the enclosed guide for the type of information you should submit to us.

5. MAINTENANCE

Describe your maintenance procedures with particular emphasis on source shielding if you remove or extend the source during maintenance procedures. Refer to item 10.5 of the enclosed guide.

6. INVENTORIES

Provide a commitment that you will conduct inventory at no less than 6 month intervals to account for all gauges in your possession. Refer to Item 10.4 of the enclosed guide.

7. OPERATING/EMERGENCY PROCEDURES

If you are using gauges whose probe can penetrate the ground at depths greater than 3 feet, you need to provide us with a copy of your operating and emergency procedures to handle this type of gauge. Refer to Item 10.7 of the enclosed guide. In addition, state whether you are still following the operating and emergency procedures outlined in your letter dated April 30, 1991. It would be helpful if you submitted an updated copy of these procedures for inclusion in the current renewal package.

8. ANNUAL AUDIT

Provide us with a commitment that you will conduct annual audits of your program. Refer to Item 10.8 of the enclosed guide.

9. WASTE MANAGEMENT

Describe how you will dispose of any gauges that no longer used at your facility, i.e. transfer to the manufacturer or another licensed entity.

We will continue our review of your application upon receipt of this information. Please reply in duplicate, within 30 days, and refer to Control Number 398601.

R. Sullivan

-3-

If you have any questions or require clarification on any of the information stated above, you may contact us at (708) 829-9887.

Sincerely,

Original Signed By
Patricia M. Vacherlon
License Reviewer

License No. 22-13006-02
Docket No. 030-31530

Enclosure: Portable Gauge Guide DG-0008

DOCUMENT NAME: M:\03031530.DF6

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

OFFICE	DNMS/RIII								
NAME	PVACHERLON:jaw								
DATE	07/30/96 <i>mm</i>								

OFFICIAL RECORD COPY

May 24, 1995

Minnesota Department of
Transportation
ATTN: John Zollars
Radiation Safety Officer
1400 Gervais Avenue
Maplewood, MN 55109

SUBJECT: LICENSE RENEWAL APPLICATION

Dear Mr. Zollars:

This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.

Any correspondence regarding the renewal application should reference the control number specified and your license number.

Sincerely,

Original Signed By
Marianne Meenan, Chief
Nuclear Materials Support Section

License No.: 22-13006-02
Control No.: 398601

DOCUMENT NAME: M:\03031530.DT5

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