

### APPLICATION FOR MATERIAL LICENSE

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  
796 ROOSEVELT ROAD  
ELEN 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

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

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)

A. NEW LICENSE

AMENDMENT TO LICENSE NUMBER \_\_\_\_\_

RENEWAL OF LICENSE NUMBER \_\_\_\_\_

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

Menominee County Road Commission  
P.O. Box 527  
Stephenson, Michigan - 49887

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

Menominee County Road Commission and temporary job sites in Menominee County  
US-41 & Belgiumtown Road  
Stephenson, Michigan - 49887

9001260008 890512  
REG3 LIC30  
21-26025-01 PDR

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

John P. St. Juliana

TELEPHONE NUMBER (906) 863-5100

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 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 \$ EXEMPT -0-

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 <i>Charles F. Behrend</i>	TYPED/PRINTED NAME Charles F. Behrend	TITLE Engineer - Manager	DATE 2/16/89
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14. ANNUAL RECEIPTS	14. VOLUNTARY ECONOMIC DATA								
<table border="1"> <tr> <td>&lt; \$250K</td> <td>\$1M - 3.5M</td> </tr> <tr> <td>\$250K - 500K</td> <td>\$3.5M - 7M</td> </tr> <tr> <td>\$500K - 750K</td> <td>\$7M - 10M</td> </tr> <tr> <td>\$750K - 1M</td> <td>&gt; \$10M</td> </tr> </table>	< \$250K	\$1M - 3.5M	\$250K - 500K	\$3.5M - 7M	\$500K - 750K	\$7M - 10M	\$750K - 1M	> \$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 (doctor 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) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
< \$250K	\$1M - 3.5M								
\$250K - 500K	\$3.5M - 7M								
\$500K - 750K	\$7M - 10M								
\$750K - 1M	> \$10M								

FOR NRC USE ONLY		<b>RECEIVED</b>	
TYPE OF FEE <i>app</i>	FEE LOG <i>man</i>	FEE CATEGORY <i>EX3P</i>	COMMENTS
AMOUNT RECEIVED	CHECK NUMBER	CONTROL NO. 86992	APPROVED BY <i>CP</i>
		<b>FEE EXEMPT REGION III</b>	
		<i>170.11(a)(9)</i>	
		DATE <b>FEB 27 1989</b>	
		<i>2/16/89</i>	

## PRIVACY ACT STATEMENT

Pursuant to 5 U.S.C. 552a(e)(3), enacted into law by section 3 of the Privacy Act of 1974 (Public Law 93-579), the following statement is furnished to individuals who supply information to the Nuclear Regulatory Commission on NRC Form 313. This information is maintained in a system of records designated as NRC-3 and described at 40 Federal Register 45334 (October 1, 1975).

1. **AUTHORITY:** Sections 81 and 161(b) of the Atomic Energy Act of 1954, as amended (42 U.S.C. 2111 and 2201(b)).
2. **PRINCIPAL PURPOSE(S):** The information is evaluated by the NRC staff pursuant to the criteria set forth in 10 CFR Parts 30, 32, 33, 34, 35 and 40 to determine whether the application meets the requirements of the Atomic Energy Act of 1954, as amended, and the Commission's regulations, for the issuance of a radioactive material license or amendment thereof.
3. **ROUTINE USES:** The information may be (a) provided to State health departments for their information and use; and (b) provided to Federal, State, and local health officials and other persons in the event of incident or exposure, for their information, investigation, and protection of the public health and safety. The information may also be disclosed to appropriate Federal, State, and local agencies in the event that the information indicates a violation or potential violation of law and in the course of an administrative or judicial proceeding. In addition, this information may be transferred to an appropriate Federal, State, or local agency to the extent relevant and necessary for an NRC decision or to an appropriate Federal agency to the extent relevant and necessary for that agency's decision about you.
4. **WHETHER DISCLOSURE IS MANDATORY OR VOLUNTARY AND EFFECT ON INDIVIDUAL OF NOT PROVIDING INFORMATION:** Disclosure of the requested information is voluntary. If the requested information is not furnished, however, the application for radioactive material license, or amendment thereof, will not be processed. A request that information be held from public inspection must be in accordance with the provisions of 10 CFR 2.790. Withholding from public inspection shall not affect the right, if any, of persons properly and directly concerned need to inspect the document.
5. **SYSTEM MANAGER(S) AND ADDRESS:** U.S. Nuclear Regulatory Commission  
Director, Division of Fuel Cycle and Material Safety  
Office of Nuclear Material Safety and Safeguards  
Washington, D.C. 20555

COMMISSIONERS:

STEPHEN J. KAKUK, SR.  
STEPHENSON, MI 49887

RAY W. PAWLOWSKI  
MENOMINEE, MI 49856

ROGER G. BETZINGER  
CARNEY, MI 49812



MENOMINEE COUNTY

BOARD OF COUNTY ROAD COMMISSIONERS

P.O. BOX 527 • STEPHENSON, MICHIGAN 49887 • 906-863-5100 or 906-753-8914

CHARLES F. BEHREND  
ENGINEER-MANAGER

SANDRA J. MILLER  
CLERK-OFFICE MGR

ITEM 5

a.	b.	c.	d.
Radioisotope Am241:Be	Form Special Form	Troxler Drawing A-100 608 A-100 337	Maximum Amount Not to exceed 300 mCi per source

ITEM 6

Material Use

For use in a Troxler Model 3241 portable measuring gauge.

ITEM 7

John St. Juliana is the person designated as the radiation safety officer. He will attend the Nuclear Gauge Training Courses offered by Troxler Electronic Laboratories, Inc. on March 15, 1989. The course covers operation and maintenance of the nuclear gauge, nuclear theory and radiological safety.

ITEM 8

Every individual that will operate the nuclear gauge will complete Troxler's Nuclear Gauge Training course. Copies of their training certificate will be kept on file. Each individual will understand the radiation safety program and be approved by the safety supervisor.

ITEM 9

See enclosed sketch.

ITEM 10 Radiation Safety Program

Radiation Safety Officer:

John St. Juliana has been designated the Radiation Safety Officer for the Menominee County Road Commission and is responsible for the following:

1. That the conditions of the license are being met.
2. Maintain the equipment as prescribed by the equipment manufacturer.
3. Ensure the integrity and security of the storage area.
5. To insure that the nuclear gauge is operated by only those individuals that have been previously approved by the Radiation Safety Office.

CONTROL NO. 86992

COMMISSIONERS

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STEPHENSON, MI 49887

RAY W. PAWLOWSKI  
MENOMINEE, MI 49858

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CARNEY, MI 49812



MENOMINEE COUNTY

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ENGINEER-MANAGER

SANDRA J. MILLER  
CLERK-OFFICE MGR.

6. Implement the Radiation Safety Program and educate the users as to the radiation safety operating and emergency procedures.
7. Serve as a point of contact in case the equipment is damaged or stolen and to notify the proper authorities in either case.
8. The radiation safety officer will maintain a hand-held radiation survey meter to be used at his or her discretion.

OPERATING PROCEDURES:

Transporting:

1. The gauge will be transported in the case supplied by Troxler.
2. The gauge shall be secured to the vehicle when transporting it to a site in a van or open bed vehicle. It shall be secured in an area away from the passenger compartment. When a car is used, it shall be locked in the trunk.

OPERATION:

1. The gauge is to be used for its intended use only.
2. The gauge, when in the field, will be operated in a portable field office only. This office will be locked when the gauge is not in use.
3. The gauge shall be attended at all times during its use.

MAINTENANCE:

1. The gauge will be periodically cleaned.
2. The gauge and work area will be kept neat and orderly at all times.
3. Maintenance which will require removing the radioactive source, will be done by the manufacturer.
4. Leak tests will be performed at least every 6 months. Leak tests will be performed using the Troxler Model 3880 Leak Test Kit.

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EMERGENCY PROCEDURES:

When physical damage to a gauge has occurred the following steps will be performed:

1. Create a clear area around the gauge of a minimum of 15 feet radius.
2. Visually inspect the gauge to determine if the source housing and, or the shielding has been damaged.
3. At the earliest possible time, contact the Radiation Safety Officer at (906) 863-5100. Describe the present conditions and follow his or her instructions.
4. If the gauge is lost or stolen, inform the Radiation Safety Officer immediately at phone number (906) 863-5100.

ITEM 11 Waste Management

Disposal of the gauge will be by transfer to another facility specifically licensed for the material; or returned to the gauge manufacturer. Records of transfer will be maintained on file.

CONTROL NO. 8699 2

