

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.

APPLICATIONS FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

U.S. NUCLEAR REGULATORY COMMISSION
DIVISION OF FUEL CYCLE AND MATERIAL SAFETY, NMSS
WASHINGTON, DC 20556

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:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I
NUCLEAR MATERIALS SAFETY SECTION B
475 ALLENDALE ROAD
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
NUCLEAR MATERIALS SAFETY 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

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
NUCLEAR MATERIALS SAFETY SECTION
1450 MARIA LANE, SUITE 210
WALNUT CREEK, CA 94596

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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
 B. AMENDMENT TO LICENSE NUMBER _____
 C. RENEWAL OF LICENSE NUMBER 30-23381-01

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

Department of Interior, Bureau of Indian Affairs
Branch of Roads, Navajo Indian Irrigation Project
P. O. Box 2206
Farmington, New Mexico 87499

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

BIA, Roads, Block 6 Shop Building, located 8 miles South of Farmington (San Juan County), New Mexico, and at temporary job sites of the licensee anywhere in the United States.

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Irvin Bekis, Supervisory Highway Engineer

TELEPHONE NUMBER

(505) 325-8806

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: _____ AMOUNT ENCLOSED \$ _____

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

Irvin Bekis

Irvin Bekis

Supervisory Highway Engineer

4/14/89

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REQ4 LIC30
30-23381-01 PDR

FOR NRC USE ONLY

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|-----------------|--------------|--------------|----------|-------------|
| TYPE OF FEE | FEE LOG | FEE CATEGORY | COMMENTS | APPROVED BY |
| | | | | 462522 |
| AMOUNT RECEIVED | CHECK NUMBER | | | DATE |
| | | | | |

NRC Form 313
(10-87)

ITEM 5: Radioactive Material

1. (a) Cesium 137
(b) Sealed Source Troxler Dwg. A-102112
(c) 8.8 mCi of C_s137
2. (a) Americium 241
(b) Sealed Neutron Source Troxler Dwg. A-102451
(c) 40 mCi of Am 241/BE
3. (a) Cesium 137
(b) Sealed Source Campbell Pacific Nuclear, CPN MC Series
(c) 10 mCi (370 MBq) C_s-137
4. (a) Americium 241
(b) Sealed Neutron Source Campbell Pacific Nuclear
CPN MC Series
(c) 50 mCi (1.85×10^3 MBq) Americium-241/BE

ITEM 6: Purpose(s) for which licensed material will be used.

- (a) For use in Troxler nuclear density gauge model 3411B and CPN MC series nuclear density gauge to measure properties of material during highway construction projects.

ITEM 7: Individual(s) responsible for Radiation Safety Program and their training and experience.

1. Lloyd D. Hall
2. Don Curley, Jr.
3. Raymond R. Curtis
4. Richard Charles
- omit #5
PUJ Bikibj 5. Other trained Civil Engineering Technicians, presently
(7) positions vacant.

ITEM 8: Training for individuals working in or frequenting restricted areas.

Training is to be presented by an independent testing laboratory personnel qualified by NRC to train nuclear gauge user on providing the qualifying radiological training in correction with radioactive material licensing and a comprehensive understanding of nuclear gauges. Provisions are made for the independent vendor to provide the training session in the next month. All user under this license are scheduled to attend.

ITEM 9: Facilities and Equipment.

The nuclear gauges are stored in the Bureau of Indian Affairs, Block 6 Shop Building, located 9 miles South of Farmington, NM. (Storage Sktech attached.)

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ITEM 10: Radiation Safety Program.

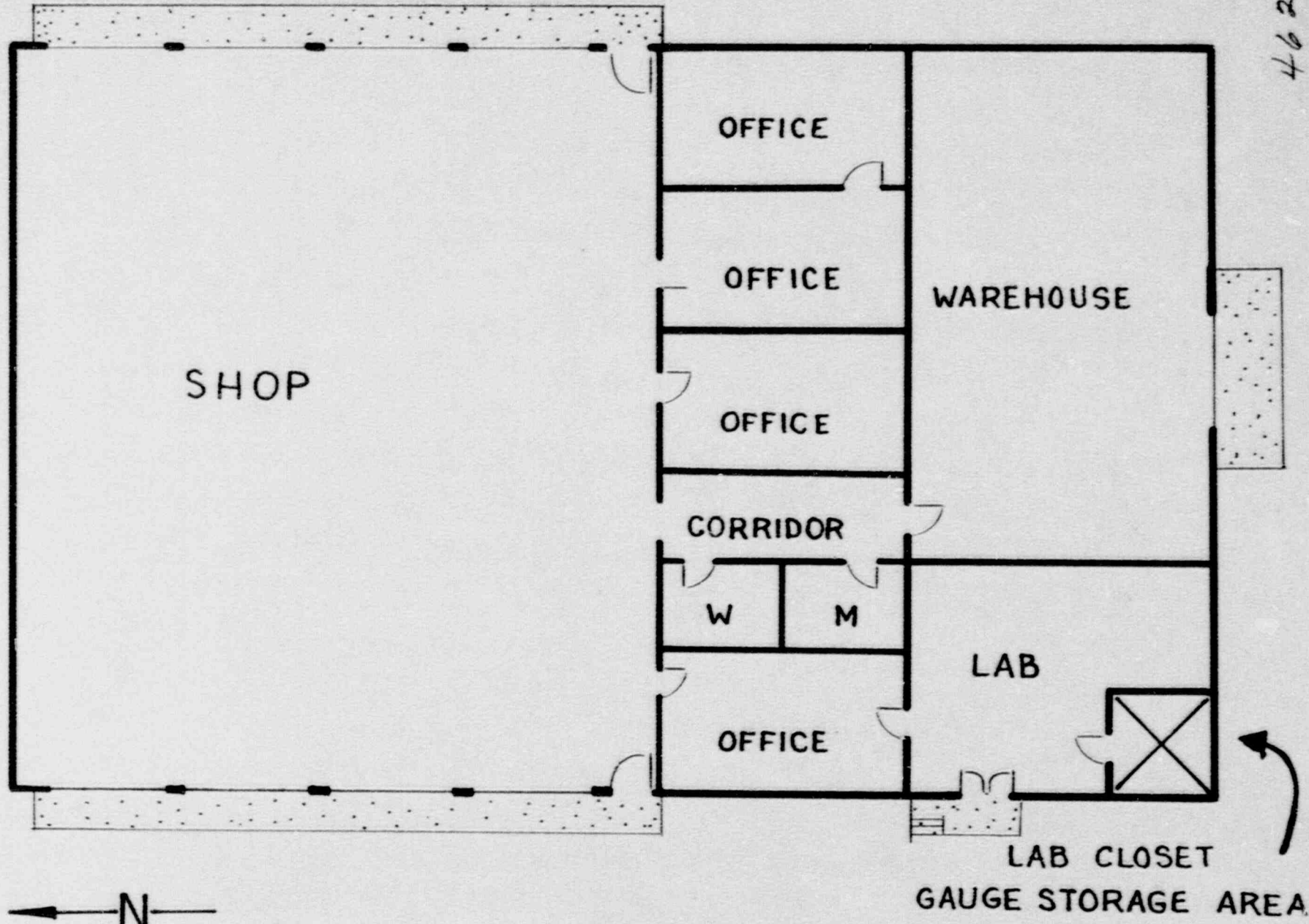
Control measures and day to day general safety.

1. When the nuclear gauge is in the field the authorized user must maintain control over the gauge at all times. The gauge must never be left unattended.
2. When not utilizing the instrument, the gauge must be placed in the transportation case and returned to its permanent storage area. The gauge is to be used for its intended use only to maintain any radiation exposure as low as attainably possible.
3. When using the instrument, the user will at all times wear the personal film badge that is assigned to him or her. When you are not using the instrument, your film badge is to be stored in a radiation free area.
4. When transporting the instrument, it should be fully secured in the transporting vehicle. The instrument will not be transported in the passenger compartment.
5. At all times the gauge will be transported in the manufacturer's transportation case. The U.S. Department of Transportation requires that the gauge be transported in a labeled carrying case.

ITEM 11: Waste Management.

N/A

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