

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 20555

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 5
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:

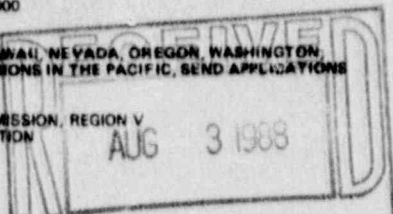
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
MATERIALS LICENSING SECTION
799 ROOSEVELT ROAD
GLEN ELLYN, IL 60137

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



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 49-18147-01

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

Robert Jack Smith & Assoc., Inc.
P.O. Box 1104
Rawlins, Wyoming 82301

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

Various construction sites throughout Wyoming.

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Phillip D. Essington

TELEPHONE NUMBER

(307) 324-5262

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. LICENSE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY 170.312.F AMOUNT ENCLOSED \$ 60.00

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
<i>Phillip D. Essington</i>	Phillip D. Essington	Engineering Manager	07/26/88

8910180279 881123
REG4 LIC30
49-18147-01 PDR

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	COMMENTS	APPROVED BY
Ren	Aug 27 1988	3F		<i>W. Keenan</i>
AMOUNT RECEIVED	CHECK NUMBER			DATE
\$60 / \$60	30279 / 30292			8/28

462098

	a)	b)	c)
5)	Cesium 137 Americium 241	Sealed Source Sealed Source	8m Ci ⁺ 10%/Source 40m Ci ⁺ 10%/Source

6) For use in Troxler Model 3401 or 3411.

7) Phillip D. Essington
Martin A. Pedersen
Marshall W. Lindeen
Margaret L. Nealon

All individuals listed have completed the training course for the use of Nuclear Testing Equipment and have periodically used a Nuclear Surface Moisture/Density Gauge.

8) See Item 7.

9) Storage location is shown on the attached sketch.

10) See the attached Item 10.

11) Sealed sources will be returned to the manufacturer for disposal.

10. RADIATION SAFETY PROGRAM

Duties of the Radiation Protection Officer

The named individual, reporting to management on radiation safety matters, should coordinate;

- 1) The safe use of the gauges
- 2) Assure compliance with the requirements of Title 10 CFR Parts 19, 20, 30, 71 and all applicable US DOT regulations.
- 3) Assure by product materials possessed under the license are in conformity to materials listed on the license.
- 4) Assure that use of devices (particularly in the field) is only by persons named as users under the license or persons who have completed acceptable training.
- 5) Assure all users wear personnel monitoring equipment when using gauges.
- 6) Assure gauges are properly secured against unauthorized removal at all times.
- 7) To serve as point of contact and give assistance in case of emergency - to insure all proper authorities are notified promptly in case of accidents.
- 8) Assure that terms conditions of license are met such as:
 - a) Periodic leak tests are performed
 - b) All required records are kept and reviewed periodically for compliance with regulations - these include source certificate, leak test records, personnel exposure records, and transfer of radioactive materials.
- 9) The Radiation Protection Officer will conduct leak tests in accordance with manufacturer's instructions contained in Troxler Model RK-1, Leak Test Kit.
- 10) The Radiation Protection Officer has been instructed in proper procedures in Troxler course.
- 11) Any service or repair will be performed by the manufacturer.
- 12) In the event that any leakage is detected, the following agencies will be notified:

Wyoming State Department of Health
Radiation Health Physicist, Cheyenne, Wyoming
Nuclear Regulatory Commission, Washington, D.C.

Safety Procedures

- 1) Do not operate or attempt to operate a gauge unless you have been authorized to do so.
- 2) Do not attempt to repair, modify or open the sealed source under any circumstances.
- 3) Wear a film badge at all times while operating or transporting a gauge.
- 4) Follow established operating procedures when using the gauge.
- 5) Keep unauthorized persons away from the gauge.
- 6) Keep the gauge in the "SAFE" or storage position when not in use.
- 7) Be sure that the gauge is locked within an authorized enclosure (e.g. closet, cabinet, vehicle, etc.) when it is not in use. Security against the theft of a radioisotope is of utmost importance and must not be neglected. The storage enclosure should be plainly labeled with a radiation warning sign of the approved type. Radiation levels at the outside surface of the storage enclosure must not be more than 2 MREM/HR.
- 8) Gauge(s) may only be transported by authorized personnel in approved vehicles. The gauge(s) may not be transported on the front or rear seats of any vehicle. If a pickup truck is used the gauge(s) must be locked in an enclosure (e.g. cabinet, shipping case etc.) and the enclosure tied securely (e.g. chained, bolted, etc.) to the bed of the truck in order to prevent loss or theft. Radiation levels at the driver and passenger seats and at the outside surface of the vehicle must not be more than 2 MREM/HR.
- 9) Insure that the gauge is leak tested at proper intervals.
- 10) When in doubt, ASK.

Accidents and Incidents

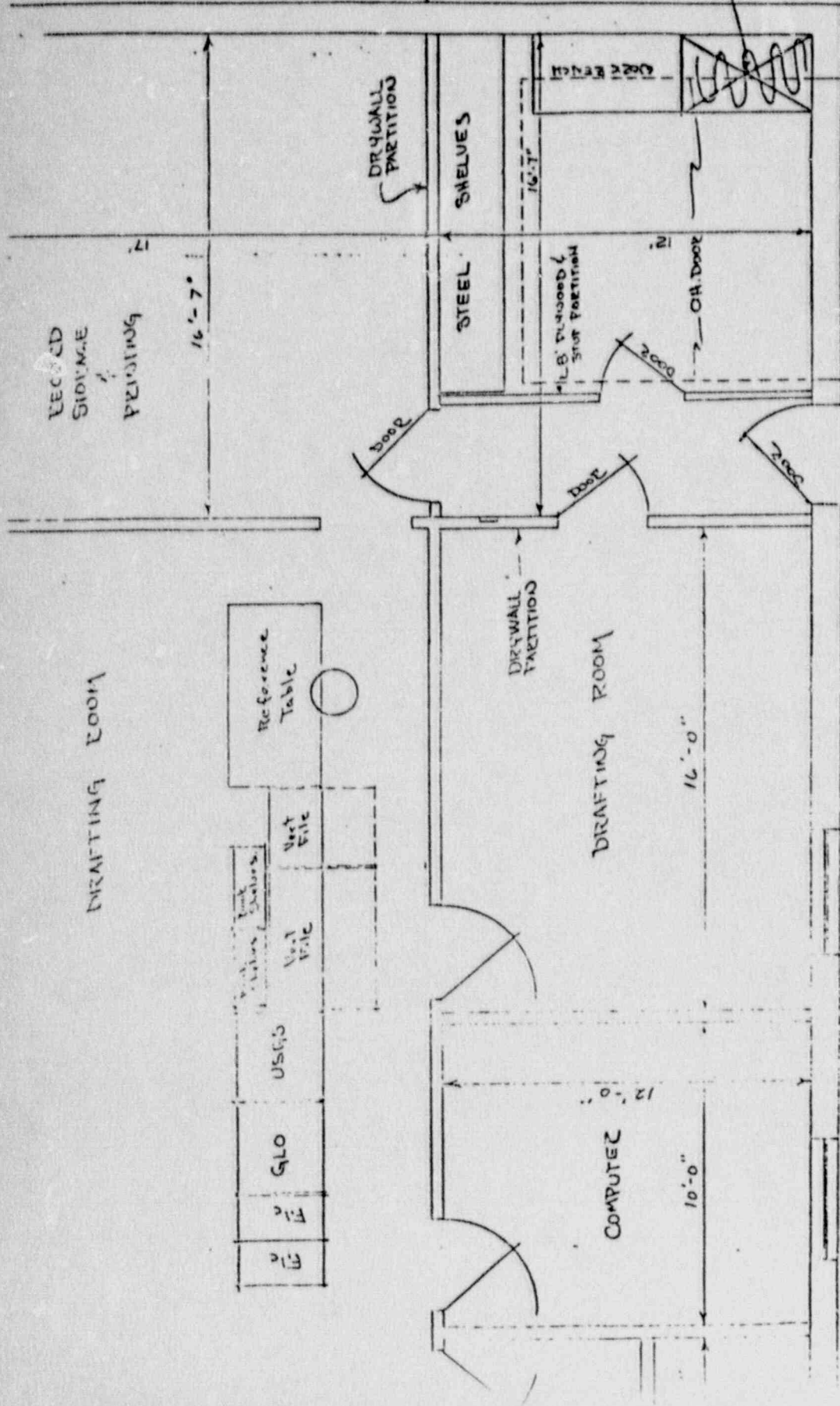
- 1) In case a gauge is lost or stolen, or involved in an accident which might cause physical damage to the source, the operator must IMMEDIATELY notify his Radiation Safety Office (RSO).
- 2) The Radiation Safety Officer will immediately notify the following authority who will provide instructions and assistance in accordance with the circumstances of the incident:

Wyoming State Department of Health
Radiation Health Physicist, Cheyenne, Wyoming

Nuclear Regulatory Commission, Washington, D.C.

- 3) In the event of the possibility of damage to the source or source control mechanism the operator will keep unauthorized persons at least ten feet from the gauge and prevent removal of the gauge from off the site until authorization by the RSO or appropriate authority.
- 4) If the gauge is lost or stolen immediately notify the local police or other law enforcement agency within whose jurisdiction the incident occurred.

DRAFTING ROOM



PRE FAB INSULATED METAL B.

NUCLEAR STORAGE (LOCKED) CABINET

R. J. SMITH & Assoc
 1015 HARSHMAN ST.
 RENO, WYO. 82301

C.H.