

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
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
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
☐ B. AMENDMENT TO LICENSE NUMBER _____
☐ C. RENEWAL OF LICENSE NUMBER _____

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

Groff Testing Corporation
516 E. Broadway
Bradley, IL 60915

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

Groff Testing Corporation
516 E. Broadway
Bradley, IL 60915

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Ronald R. Groff

TELEPHONE NUMBER

815/939-1153

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

13. CERTIFIC BINDING

8509110514 850828
REG3 LIC30
12-18917-02 PDR

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

FEE CATEGORY \$150.00 AMOUNT ENCLOSED \$ 150.00

THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE

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

Ronald R. Groff

TITLE

President

DATE

6-29-85

14. ANNUAL RECEIPTS

- ☒ <\$250K
☐ \$250K-\$500K
☐ \$500K-\$750K
☐ \$750K-\$1M

15. NUMBER OF EMPLOYEES (Total for entire facility excluding outside contractors)

3

16. NUMBER OF BEDS

17. WOULD YOU BE WILLING TO FURNISH COST INFORMATION (Dollar 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)

YES

FOR NRC USE ONLY

TYPE OF FEE

FEE LOG

FEE CATEGORY

COMMENTS

AMOUNT RECEIVED

CHECK NUMBER

CONTROL NO. 7 928

DATE

8/13/85

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

U.S. NRC
LIC. FEE MGMT. BRANCH

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RECEIVED

RECEIVED

APPLICATION FOR MATERIAL LICENSE

ITEM 5 Radioactive Material

- a. Element and Mass number
 - 1. Cesium-137
 - 2. Americium-241
- b. Chemical and/or physical form
 - 1. Cesium-137 Sealed Source (Campbell Pacific Nuclear Model No. CPN-131)
 - 2. Americium-241 Sealed Source (Campbell Pacific Nuclear Model No. CPN-131)
- c. Maximum amount which will be possessed at any one time
 - 1. Cesium-137 1 source not to exceed 10 millicuries
 - 2. Americium-241 1 source not to exceed 50 millicuries

ITEM 6 Purpose for which licensed material will be used

Numbers 1 and 2 To be used in Campbell Pacific Nuclear Model MC Series surface moisture/density gauges.

ITEM 7 Individual responsible for radiation safety program and their training and experience.

See attachment

ITEM 8 Training for individual working in or frequenting restricted areas.

See attachment

ITEM 9 Facilities and equipment

See attachment

ITEM 10 Radiation safety program

See attachment

ITEM 11 Waste management

Disposal of source by sale to an authorized user, or return to manufacturer.

Attachment:

ITEM 7

Ronald R. Groff

Has completed and passed formal training course on March 8, 1980 given by Ascor, Inc. following format set forth by Campbell Pacific Nuclear in their training manual for instruction in the care, handling, and safety precautions when dealing with radioactive materials. This course is mandatory prior to shipment of the CPN gauge. Duration of course is 1 day, followed by completion of testing and certification of the attendee. Certification certificate attached.

Ronald R. Groff

No previous experience

ITEM 8

Training for individuals working in or frequenting restricted areas.

1. Each employee before using the equipment will be required to complete the device manufacturer's training program.
2. Records documenting the training of each employee will be maintained for 2 years from date the training is completed.

Certificate of Completion

This is to certify that RONALD R. GROSS has completed the basic training
course on Radiation Safety and Use of Nuclear Soil Gauges, held

this 8 day of MARCH 1980, held at ASCOB, Inc City of ST. LOUIS

State of MISSOURI by Campbell Pacific Nuclear Corporation.

[Signature]

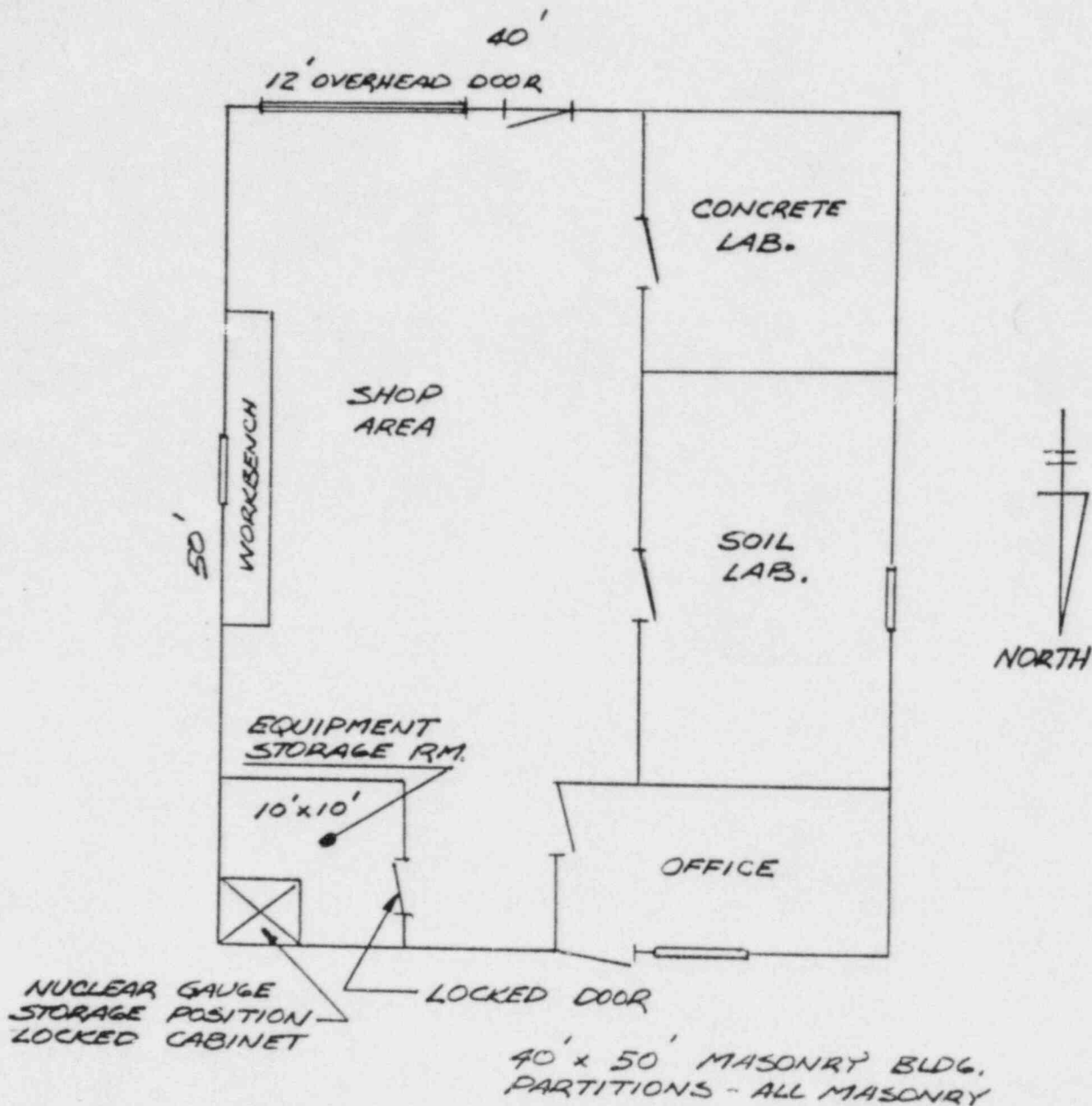
INSTRUCTOR

[Signature]

RADIATION SAFETY OFFICER

GROFF TESTING CORP.FLOOR PLAN

SCALE: 1" = 10'

CERTIFICATION

I certify that this sketch of the proposed permanent storage location is an accurate representation of our storage intentions. I also certify that the gauge will be stored on temporary job sites in accordance with the same procedures as closely as is practical.

Ronald R. Groff
 Ronald R. Groff
 815-939-1153

Rad. Prot. Officer 6-29-85

Attachment:

ITEM 10

Radiation Protection Program

In accordance with our radiological byproduct material license, the following nuclear safety procedures will be followed at all times. These procedures are a part of the license and a copy of this procedure sheet will be kept with the gauge calibration curves with the gauge at all times.

1. The PORTAPROBE will be securely restrained in vehicles during transportation to prevent theft while the vehicle is unattended or damage from being thrown out during an accident. Metal clamps, chains, or seatbelts will be used to secure the units in open vehicles or vans with open interiors.
2. Storage room will be locked at all times. Keys to the permanent storage area will be made available only to authorized personnel. Radiation labels or placards will be displayed on the storage room door. If the gauge is stored on a temporary jobsite, it will be safeguarded according to these same procedures, as closely as is practical.
3. Radiation labels or placards will be removed from vehicles when the vehicles are not actually being used for transportation of nuclear devices, to avoid confusion should an accident occur with the nuclear device not in the vehicle.
4. All users will carry their film badges with them when using the PORTAPROBE or any other nuclear devices. The badges will be stored away from the gauges when not in use and will be stored away from heat.
5. User must not dismantle gauge in any manner that would expose the nuclear source.
6. Leak test to be performed annually by the Radiation Protection Officer.
7. Gauge to be repaired and maintained by the Campbell Pacific Nuclear factory in Pacheco, California.
8. In the event of emergency involving possible damage to the radioactive source:
 - *Freeze site, stop any vehicles involved with contact with the gauge.
 - *Restrict access to the accident area to 10 feet from the gauge and any vehicles involved.
 - *Call for assistance. Obtain a survey meter to determine if a "spill" occurred.

Attachment:

ITEM-10

Call:

Radiation Protection Officer:

Ronald R. Groff 815-939-1153 or 815-933-1019

State of Illinois Emergency Services and Disaster Agency:

217-782-7860 (24 hours) Springfield.

Nuclear Regulatory Commission:

312-932-2500 Glen Ellyn, Ill.

Campbell Pacific Nuclear:

415-687-6472 Pacheco, California

Nearest Local or State Police - Check with telephone operator.

Tell these people that there is a radiation emergency, and give the location and type of equipment involved. Get their instructions regarding the situation.