

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 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
NUCLEAR MATERIALS SAFETY SECTION
101 MARIETTA STREET, SUITE 2800
ATLANTA, GA 30303

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
795 ROOSEVELT ROAD
GLEN ELLY, 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 _____

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

Barry L. Dutton
PO Box 9272
Missoula, MT 59807

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

720 Dickenson
Missoula, MT 59802

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION:

Barry L. Dutton

TELEPHONE NUMBER

406 728-4394

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 \$ 230.00

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, 1946, 52 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

Barry L. Dutton

Barry L. Dutton

Owner

5-16-89

8908100211 890622

REG 4 LIC 30

25-26995-03

PDR

462567

FOR NRC USE ONLY

TYPE OF FEE App	FEE LOG May 15-89	FEE CATEGORY 3P	COMMENTS	APPROVED BY M. Kucner
AMOUNT RECEIVED \$230	CHECK NUMBER 2157			DATE 5/25/89

ITEM 5: MATERIAL TO BE POSSESSED

- 1 Americium-241/Be
- 2 One CPN Corp. 131 sealed source capsule
- 3 50mCi (1.85 X 10⁹ MBq) Americium-241/Be
- 4 CPN Corporation - 503 DR Hydroprobe

ITEM 6 : PURPOSE

This equipment will be used to monitor soil moisture levels in farm fields as part of an irrigation scheduling program.

ITEM 7: INDIVIDUAL RESPONSIBLE FOR RADIATION SAFETY PROGRAM

Barry L. Dutton - company owner.

Completed the CPN Corporation radiation training course given at Spokane, Washington on March 1, 1989 by Pat Corcoran.

ITEM 8: TRAINING FOR OTHER USERS

It is not anticipated that others will use this instrument but should this become necessary, they will attend a CPN Corp. nuclear safety training session. Records of this training will be maintained for at least two years.

ITEM 9: FACILITIES AND EQUIPMENT

The equipment will be kept in a locked vehicle when transported and in a locked storage shed behind a private residence when not in use. It will not be left unattended or in an unlocked storage location.

ITEM 10: RADIATION SAFETY PROGRAM

We are committed to maintain and keep current a radiation safety program for all persons who use these instruments.

ITEM 10.1: PERSONNEL MONITORING EQUIPMENT

All personnel will wear film badges which will be processed monthly through a US Bureau of Reclamation cooperative program.

ITEM 10.3: LEAK TESTING

Barry Dutton will use commercial leak-test kits from the Hydroprobe manufacturer - CPN Corporation 2830 Howe Rd. Martinez, CA 94553 (Part No. TD 11B).

ITEM 10.4 MAINTENANCE

All cleaning will be done with the radioactive source in the shielded position. Other maintenance will be carried out by the manufacturer.

ITEM 10.5 TRANSPORTATION

All transportation will be carried out according to DOT regulations.

ITEM 10.6 OPERATING AND EMERGENCY PROCEDURES

Written operating and emergency procedures have been developed for use by any persons using our gauge (probably just Mr. Dutton). These instructions include information on:

- 1 Personal monitoring equipment (film badges).
- 2 Hydroprobe operation.
- 3 Hydroprobe storage
- 4 Hydroprobe transportation
- 5 Leak testing
- 6 Emergency procedures
- 7 Nuclear public relations

ITEM 11 WASTE MANAGEMENT

This device will be returned to the manufacture for disposal or to an authorized facility should disposal be necessary.

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