

## 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 20566

**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 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 100C  
 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  
 1460 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 30-17283-02

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

US Army Engineer District,  
 Albuquerque  
 P.O. Box 1580  
 Albuquerque, New Mexico 87103

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

See Attached Sheet

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Frank B. Collins, Radiation Protection Officer

TELEPHONE NUMBER

(505) 766-3829

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. N/A

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

FEE CATEGORY N/A AMOUNT ENCLOSED \$ N/A

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

*[Signature]*

James Jaffe

Chief, Safety and Occupational Health Office 10 Mar 87

14. VOLUNTARY ECONOMIC DATA

a. ANNUAL RECEIPTS	
< \$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 (labor 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 8807130357  NO

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	COMMENTS	APPROVED BY
			8904120208 890322 REG4 LIC30 30-17283-02 PNU	<i>46146 312</i>
AMOUNT RECEIVED	CHECK NUMBER			DATE
				<i>461447</i>

RENEWAL APPLICATION FOR BYPRODUCT  
MATERIAL LICENSE 30-17283-02

US ARMY ENGINEER DISTRICT, ALBUQUERQUE  
P.O. BOX 1580  
ALBUQUERQUE, NEW MEXICO 87103

SUPPLEMENTAL SHEET TO ITEM 3

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

THE LICENSED MATERIAL WILL BE USED AT US ARMY CORPS OF ENGINEER DISTRICT,  
ALBUQUERQUE, FACILITIES AT HOLLOMAN AND KIRTLAND AIR FORCE BASES, NEW  
MEXICO, LOS ALAMOS, NEW MEXICO, WASTE ISOLATION PILOT PLANT (WIPP),  
CARLSBAD, NEW MEXICO, DISTRICT OFFICE, ALBUQUERQUE, NEW MEXICO, AND AT  
TEMPORARY JOB SITES OF THE LICENSEE ANYWHERE IN THE UNITED STATES.

THE LICENSED MATERIAL WILL BE PHYSICALLY STORED IN A SECOND FACILITY,  
AT EACH LOCATION, WHEN NOT IN USE.

461447

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SUPPLEMENTAL SHEET TO ITEM 5

5. RADIOACTIVE MATERIAL

	<u>ELEMENT AND MASS NUMBER</u>	<u>CHEMICAL AND/OR PHYSICAL FORM</u>	<u>MAXIMUM AMOUNT PER SOURCE (MILLICURIES)</u>	<u>MANUFACTURER AND MODEL NUMBER</u>
A.	CESIUM 137	SEALED SOURCES	10MCI MAX	TROXLER LABORATORIES CC-1429
B.	AMERICIUM 241/BE	SEALED SOURCES	50 MCI MAX	TROXLER LABORATORIES CAA-450
C.	CESIUM 137	SEALED SOURCES	10 MCI MAX	CPN CORPORATION CPN-131
D.	AMERICIUM 241/BE	SEALED SOURCES	50 MCI MAX	CPN CORPORATION CPN-131

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SUPPLEMENTAL SHEET TO ITEM 6

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

THE LICENSED MATERIAL WILL BE USED IN TROXLER LABORATORIES MODEL 3400 SERIES MOISTURE DENSITY GAUGE (REFERENCE A AND B, PAGE 5-1), OR CAMPBELL PACIFIC NUCLEAR CORPORATION MODEL A, BRC, MC, OR 501 MOISTURE DENSITY GAUGE (REFERENCE C AND D, PAGE 5-1) TO MEASURE MOISTURE AND SURFACE DENSITY OF MATERIALS.

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SUPPLEMENTAL SHEET TO ITEM 7

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE.

INDIVIDUAL: RADIATION PROTECTION OFFICER - FRANK B. COLLINS, CIVIL ENGINEER

TRAINING: A. RADIOLOGICAL SAFETY COURSE  
US ARMY ORDNANCE CENTER & SCHOOL  
ABERDEEN PROVING GROUND, MD  
3-WEEKS, GRADUATED 30 JAN 74  
B. RADIOISOTOPE USER COURSE  
CIVIL EMERGENCY PREPAREDNESS DIVISION  
24-HOURS GRADUATED

EXPERIENCE: MR. FRANK B. COLLINS IS A GRADUATE CIVIL ENGINEER. HE COMPLETED THE RADIOLOGICAL SAFETY COURSE AT THE US ARMY ORDNANCE SCHOOL, ABERDEEN PROVING GROUND, MD, IN 1974. HE COMPLETED THE RADIOISOTOPE USER COURSE AT THE STATE OF NEW MEXICO CIVIL EMERGENCY PREPAREDNESS DIVISION. MR. COLLINS HAS TAUGHT SEVERAL RADIOLOGICAL DEFENSE AND MONITORING COURSES TO THE US ARMY CORPS OF ENGINEERS EMPLOYEES. ALSO, HE HAS SERVED AS RADIATION PROTECTION OFFICER ON SEVERAL PRIOR OCCASIONS FOR THE ALBUQUERQUE DISTRICT.

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SUPPLEMENTAL SHEET TO ITEM 8

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

EACH INDIVIDUAL USER WILL BE TRAINED IN THE PROPER USE OF THE DEVICE CONTAINING THE SEALED SOURCES BY COMPLETING THE TROXLER ELECTRONICS LABORATORIES' TRAINING COURSE, OR AN EQUIVALENT COURSE.

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SUPPLEMENTAL SHEET TO ITEM 9

9. FACILITIES AND EQUIPMENT

THE SEALED SOURCES ARE HOUSED INSIDE THE GAUGE BODY WHEN THE SOURCE ROD IS IN THE RETRACTED POSITION.

FURTHER, THE MOISTURE DENSITY GAUGE HAS A TRANSPORT CASE PROVIDED BY THE MANUFACTURER. IT WILL BE OUR PRACTICE TO PACKAGE THE GAUGE (WITH THE SOURCE ROD LOCKED IN SAFE POSITION) IN THE TRANSPORT CASE BEFORE IT IS PLACED IN A CONTROLLED STORAGE FACILITY.

THE CONTROLLED STORAGE FACILITY AT EACH LOCATION WILL EITHER BE A LOCKED ROOM OR CABINET WITHIN A SECURED BUILDING.

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SUPPLEMENTAL SHEET TO ITEM 10

10. RADIATION SAFETY PROGRAM

THE RADIATION SAFETY PROGRAM (ALBUQUERQUE DISTRICT'S OPERATING MEMORANDUM 385-1-2) WILL BE OBSERVED AT ALL TIMES. A COPY OF THIS PROGRAM WILL BE MAINTAINED AT EACH LOCATION WHERE THE SEALED SOURCES ARE USED OR STORED.

THE LEAK TESTING WILL BE PERFORMED USING THE LEAK TEST KIT PROVIDED BY THE MANUFACTURER.