

NRC FORM 313

(03-2014)

10 CFR 30, 32, 33, 34  
35, 36, 37, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR MATERIALS  
LICENSE

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 05/31/2015

Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the FOIA, Privacy, and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to [Infocollections.Resource@nrc.gov](mailto:Infocollections.Resource@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

**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. \*AMENDMENTS/RENEWALS THAT INCREASE THE SCOPE OF THE EXISTING LICENSE TO A NEW OR HIGHER FEE CATEGORY WILL REQUIRE A FEE.**

## APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

OFFICE OF FEDERAL & STATE MATERIALS AND  
ENVIRONMENTAL MANAGEMENT PROGRAMS  
DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

## ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

## IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA,  
KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY,  
NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH  
CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA,

## SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM  
DIVISION OF NUCLEAR MATERIALS SAFETY  
U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
2100 RENAISSANCE BOULEVARD, SUITE 100  
KING OF PRUSSIA, PA 19406-2713

## IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN,  
SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS,  
LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH  
DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS,  
UTAH, WASHINGTON, OR WYOMING,

## SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
1600 E. LAMAR BOULEVARD  
ARLINGTON, TX 76011-4511

**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 JURISDICTIONS.**

## 1. THIS IS AN APPLICATION FOR (Check appropriate item)

☐

A. NEW LICENSE

☒

B. AMENDMENT TO LICENSE NUMBER

24-12728-01

☐

C. RENEWAL OF LICENSE NUMBER

## 2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)

Columbia Environmental Research Center (CERC)  
4200 New Haven Road  
Columbia, MO 65201

## 3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Columbia Environmental Research Center (CERC)  
4200 New Haven Road  
Columbia, MO 65201

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

Randal Clark, RSO

## BUSINESS TELEPHONE NUMBER

(573) 876-1836

## BUSINESS CELLULAR TELEPHONE NUMBER

## BUSINESS EMAIL ADDRESS

rcclark@usgs.gov

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 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 (Fees required only for new applications, with few exceptions\*)  
(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, 36, 37, 39, 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.

## CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE

Rip Shively, CERC Center Director

## SIGNATURE

## DATE

4-1-2015

## FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	

RECEIVED APR 09 2015





# United States Department of the Interior

U. S. GEOLOGICAL SURVEY

Columbia Environmental Research Center  
4200 New Haven Road  
Columbia, Missouri 65201

Wednesday, April 01, 2015


Material Licensing  
U.S. NRC, Region III  
2443 Warrenville Road  
Suite 210  
Lisle, Illinois 60532

SUBJECT: License No. 24-12728-01 Request for Change of RSO

To Whom It May Concern:

Randal Clark, the Radiation Safety Officer (RSO) for USGS license 24-12728-01 at the USGS Columbia Environmental Research Center (CERC), is retiring as CERC's RSO. The USGS has designated Frank Proa as his replacement. This letter is a request for NRC's approval for this decision and an amendment to our license naming Frank Proa as the CERC RSO. A summary of Frank's radiation education and experience is attached. Randal Clark will remain the RSO of CERC until NRC approval for this amendment is given. If there are any questions or if further information is needed, please contact Randal Clark at 573-876-1836 or Frank Proa at 573-876-1879 or Carl Orazio at 573-876-1823.

Sincerely Yours,

  
for: Rip Shively  
CERC Center Director

See Attachment

cc:  
Carl Orazio, USGS

## ATTACHMENT

**Frank C. Proa**

**Formal Education:** (2008) B.S. in Chemistry and Applied Mathematics  
(2010) Masters in Chemistry

**Related Experience:**

October 2014-Present CERC-USGS Safety Programs Manager

October 2014-Present CERC-USGS Assistant Radiation Safety Officer in training with Randal Clark, RSO to become Radiation Safety Officer.

2014-Present CERC-USGS Radiation Worker and Analytical Chemist in Environmental Forensics Section of Environmental Chemistry Branch

2010-2014 Technology and Scientific Consultant

2008-2010 UC Santa Barbara: Radiation Worker, Graduate Student, Lab Instructor, and Research Assistant working with ionizing and nonionizing, atomic and electromagnetic, radiation sources

2003-2008 CSU Humboldt: Radiation Worker, Student, and Research Assistant working with ionizing and nonionizing, atomic and electromagnetic, radiation sources

1996-2003 U.S. Navy: Nuclear, Bio, and Chem Casualty Rapid Response Team and Reactor Emergency Response Team Member aboard USS Enterprise

*Frank C Proa 1 APR 2015*  
*fproa@usgs.gov*





Columbia Environmental Research Center  
U.S. Geological Survey  
4200 New Haven Road  
Columbia, MO 65201-8709



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U.S. NRC Region III  
22443 Warrenville Rd  
Lisle, Illinois 60532