

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 20546

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS, IF 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
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 N. ARIA LANE, SUITE 210
WALNUT CREEK, CA 94606

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 32-00426-03

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

U.S. Dept. of Commerce, NOAA
National Marine Fisheries Service
Southeast Fisheries Center, Beaufort Lab.
Beaufort, North Carolina 28516-9722

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

U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration
National Marine Fisheries Service, Southeast Fisheries Center,
Beaufort Laboratory
Beaufort, North Carolina 28516-9722

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Linda C. Clements, Radiation Safety Officer

TELEPHONE NUMBER

FIS: 670-9737
(919) 728-8737

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.

See 10.

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

FEE CATEGOR. U.S. Govt. exempt AMOUNT ENCLOSURE \$ -0-

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

Ford A. Cross
Dr. Ford A. Cross
Laboratory Director

7/19/89

8912060121 890814
REG2 LIC30
32-00426-03 PDR

FOR NRC USE ONLY

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

JUL 17 1989

220842

Item #

5. a) Cobalt-60
b) Thirty-two sealed sources (per U.S. Nuclear Corp. dwg. No. B-0104
c) Not to exceed 50 curies total

6. This irradiator is presently in and will be permanently in storage.

7. Dr. F.A. Cross, Laboratory Director

Dr. D.E. Hoss, Chief, Division of Ecology

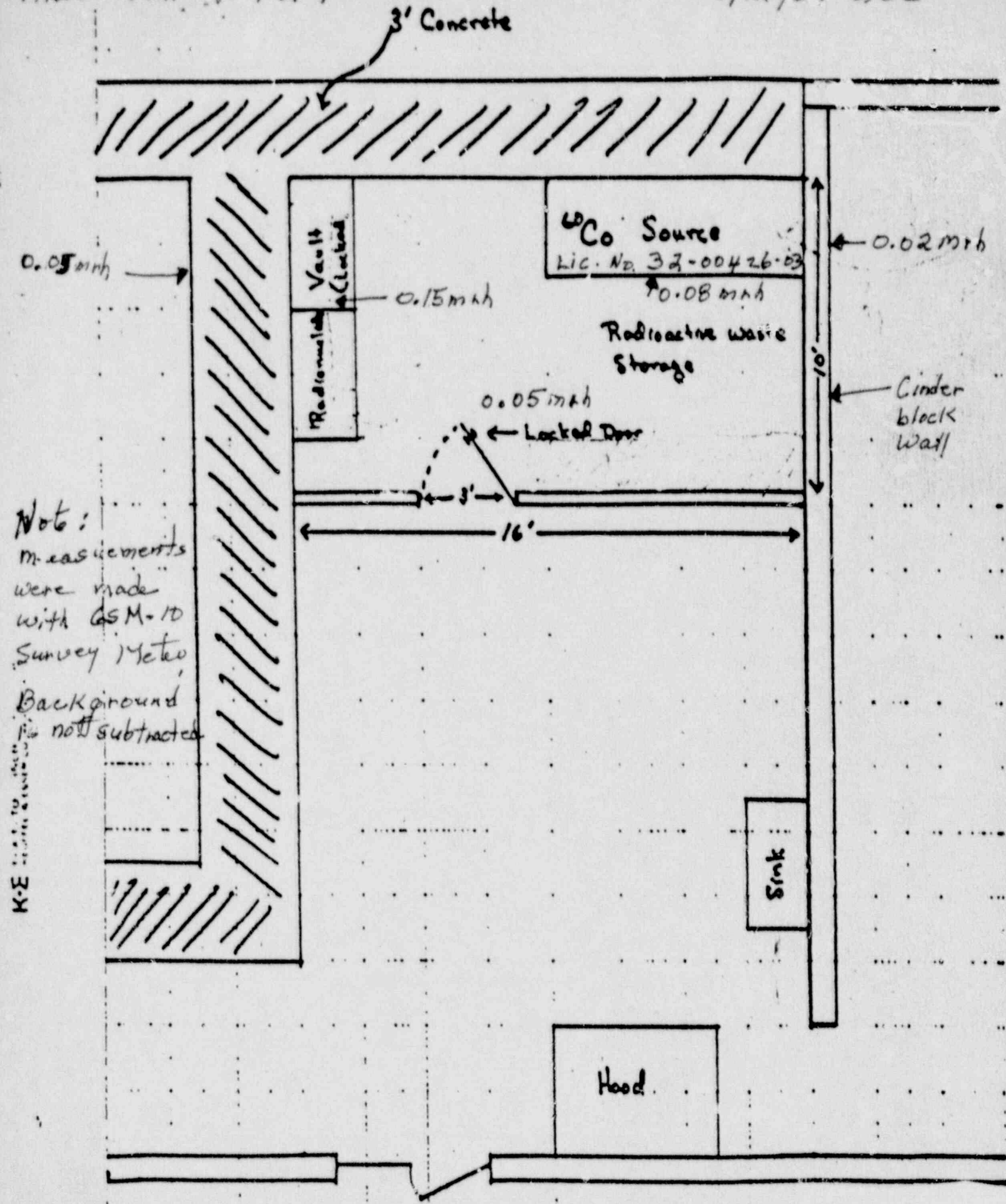
Ms. Linda Clements, Radiation Safety Officer is a Fishery Biologist and has a B.S. in Zoology. She completed a course at Oak Ridge Associated Universities entitled "Safe use of radionuclides" (January 28-February 1, 1985). Ms. Clements is a registered radiography technician (ARRT) and has been for 25 years. She has 15 years experience with radioisotopes at Beaufort Laboratory and 3 years experience as Radiation Safety Officer and Chairman of the Radiation Safety Committee.

Dr. David W. Engel alternate Radiation Safety Officer, has graduate training in radiation biology and the use of radioisotopes in marine biology. Both M.S. and Ph.D. concerned the use of high energy radiation sources (i.e., 1 Mev electron accelerator and ⁶⁰Co irradiators). He also acted as a teaching assistant in a summer course, "Radioisotope Techniques for High School Teachers", that was taught at the Duke University Marine Laboratory. During the past 27 years he has been actively engaged in research that involved both the use of gamma irradiation sources and the safe handling of radionuclides. He has also supervised and instructed graduate students in the use and safe handling of radioisotopes in the laboratory. He recently served as a panel member of the National Council on Radiation Protection and Measurement.

8. Not applicable

9. The irradiator will be stored in the Radioactive Waste Room covered under Amendment 39 to License No. 32-00426-02, Reference No. 030-05594. See attached drawing.

10. The irradiator is stored in a locked room with access controlled by the Radiation Safety Officer.



Note:
 measurements
 were made
 with GSM-10
 Survey Meter
 Background
 is not subtracted

Reference No. 030-05594

Storage Room - See Amendment No. 39, License No. 32-00426-03



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE

Southeast Fisheries Center
Beaufort Laboratory
Beaufort, N.C. 28516-9722

June 30, 1989

U.S. Nuclear Regulatory Commission
Division of Fuel Cycle &
Material Safety
Washington, DC 20555

Gentlemen:

Enclosed please find the application for renewal of License
Number 32-00046-03.

32-00426-03

030-07031

The Cobalt-60 irradiator is no longer in use and has been in permanent storage for four years as discussed with Mr. Earl Wright, Nuclear Materials Safety Section, Region II, U.S. Nuclear Regulatory Commission by Linda Clements, our Radiation Safety Officer. We proposed to license this irradiator, for storage only.

If you have questions concerning this application please contact us.

Sincerely yours,

Ford A Cross
Laboratory Director

Enclosure

220842

JUL 17 1989

