

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 20565

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
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 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)

Environmental Quality Laboratory, Inc.
113 W. Fairview Avenue
South Bend, IN 46614

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

113 W. Fairview Avenue
South Bend, IN 46614

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Brenda L. Beatty and/or R. Scott Liggett

TELEPHONE NUMBER

(219) 289-4501

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 3 E 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, 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

RSA Liggett
Brenda L. Beatty

R. Scott Liggett

President

01/24/89

Brenda L. Beatty

Secretary-Treasurer

01/24/89

8903210569 890209
REG3 LIC30
13-26007-01 PNU

FOR NRC USE ONLY

TYPE OF FEE <i>APP</i>	FEE LOG <i>Feb 3</i>	FEE CATEGORY <i>3A</i>	COMMENTS	APPROVED BY
AMOUNT RECEIVED <i>\$230</i>	CHECK NUMBER <i>1091</i>	CONTROL NO. 86760		<i>Deid A. [Signature]</i> JAN 25 1989 <i>[Signature]</i>

NRC APPLICATION
SUPPLEMENTAL INFORMATION

5. MATERIAL

- a. Ni⁶³
- b. Sealed foil source, manufacturing and distribution approved 11-4-77 by amendment Number 10 to Perkin-Elmer Corporation License 06-02135-08
- c. Maximum amount which will be possessed at any one time is not to exceed 15 millicuries for each source
- d. Electron capture detector cell (ECD), Part Number 3300-119, manufactured by Perkin-Elmer Corporation, Norwalk, Connecticut, MA, 06856

6. PURPOSE

The gas chromatograph, electron capture detector (GC/ECD) will be used for the routine analysis of samples for the determination of various organic compounds

7. RESPONSIBLE INDIVIDUALS

The responsible individuals will be Brenda L. Beatty and/or R. Scott Liggett. No maintenance or repair involving the removal of the foil will be performed. Routine cleaning not involving foil removal and leak testing with commercial kits will be performed by Brenda L. Beatty and/or R. Scott Liggett.

8. TRAINING PROVIDED TO OTHER USERS

Other individuals will use the GC/ECD for routine analyses only under the supervision of the responsible individuals, and will not be permitted to perform any maintenance or repair operations.

9. FACILITIES AND EQUIPMENT

The GC/ECD will be located in a separate room of the laboratory facility (Licensee's building). The room shall be accessible only to authorized personnel and shall be under the constant surveillance and immediate control of a responsible individual. The entire laboratory building shall be locked when no authorized person is present. If the ECD is placed in storage, it shall be secured from unauthorized removal.

10. RADIATION SAFETY PROGRAM

Personnel monitoring equipment would not be required, as the GC/ECD

CONTROL NO 86760

would be operated only for the purpose specified in Item 6. Also, no maintenance or repair operations involving the removal of the foil are performed. On this basis, a radiation survey meter would not be required.

The radiation safety program consists of the following:

- Restricted use of the GC/ECD to authorized personnel only.
- Locked facilities when authorized personnel are absent, and
- Performance of leak tests every six months with a commercial leak-test kit. The test samples will be taken by Brenda L. Beatty, and/or R. Scott Liggett. The commercial kit LT-1 will be supplied by

Handwritten: Assay Services, Inc. P.O. Box 1266 Friendswood, Texas 77546
Assay Services, Inc.
P.O. Box 1266
Friendswood, Texas 77546

11. WASTE MANAGEMENT

Disposal will be by transfer of the radioactive material to a licensee specifically authorized to possess it, as specified in paragraph 20.301 (a) of 10 CFR Part 20.

12. FEE CATEGORY

3E: byproduct material for possession and use in sealed sources in which the source is not removed from the shield (self-shielded units).