

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 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
101 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 2200
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
795 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
1250 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 45-08156-03

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

Fairfax County Health Dept. Laboratory
10777 Main Street #301
Fairfax, VA 22030

3. ADDRESSES WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED:

10777 Main Street #301, Fairfax, VA 22030

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

Chester L. Bowman

TELEPHONE NUMBER:

703-246-3218

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 quantity 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. LICENSE FEES (See 10 CFR 170 and Section 130.31):

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 4, 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

Chester L. Bowman

Chester L. Bowman

Laboratory Director

4-21-88

8810190310 BB0526
REQ2 LIC30
45-08156-03 PNU

FOR NRC USE ONLY

TYPE OF FEE

FEE LOG

FEE CATEGORY

COMMENTS

APPROVED BY

AMOUNT RECEIVED

CHECK NUMBER

DATE

Ren

Apr - 5 - 88

EX3P

170.1 (11.15)

M. J. ...

170.1 (11.15)

170.1 (11.15)

4/21/88

Information for Application for Material License - April 1988

5. NI-63 Sealed Foils
Nuclear Radiation Dev. Corp. Model NI001
Perkin Elmer Part #330-0119
Sealed Foil in Gas Chromatograph Instrument
Perkin Elmer Corp. Sigma II Model

Amount in sealed foil is <15 millicuries

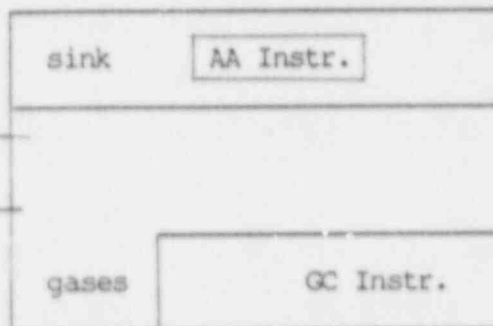
6. For use in gas chromatograph for sample analysis

7. Person responsible - Mark J. Stangler, Chemist
Training: Mr. Stangler has had experience at George Mason University and has worked at this location for eight years with a gas chromatograph. He has experience with the wipe tests for leakage. Mr. Stangler has also had training from Perkin Elmer Corporation, the instrument manufacturer.

8. The other Chemist on our staff or anyone who may be employed and assigned to this instrument will be trained by Mr. Stangler on its use and radiation safety.

9. The instrument is located in a laboratory room where an atomic absorption spectrophotometer is also located. No other types of laboratory testing is done in that room and no chemicals others than those associated with these two instruments are used in that room.

Diagram of
Chemistry III Room:



Exhaust hood is located over AA Instrument. Temperatures in the room are usually between 68 - 70° F. Ambient temperature is always below operating temperature of instrument. No corrosive chemicals are in the room. No vibrations other than normal building vibrations are present. Instrument is checked at each time of operation to assure its proper operating parameters are maintained.

In event of an emergency the room would be evacuated until the extent of the emergency is assessed; then whatever clean-up was warranted or appropriate would proceed. The Chemist would notify the Laboratory Director, Chester L. Bowman (703-246-3218), who would notify the NRC or in the absence of the Director, the Chemist could notify the NRC.

10. The radiation safety program will be conducted by the Laboratory Director and Chemist. No service will be performed on detector cell except by the manufacturer. Personal monitoring is not required due to amount of NI⁶³ in cell. Survey meters are not required with this source material in our instrument. Leak test will be performed every three years.

11. The foil will be returned to Nuclear Development Corporation when disposal is necessary.