

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.

FEDERAL AGENCIES FILE APPLICATIONS WITH:

U.S. NUCLEAR REGULATORY COMMISSION
DIVISION OF FUEL CYCLE AND MATERIAL SAFETY, NMSS
WASHINGTON, DC 20555

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 MATERIAL SECTION B
631 PARK AVENUE
KING OF PRUSSIA, PA 19406ALABAMA, 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
MATERIAL RADIATION PROTECTION SECTION
101 MARIETTA STREET, SUITE 2907
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 60137ARKANSAS, 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 76011ALASKA, 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
MATERIAL RADIATION PROTECTION 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 20-03316-03

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

General Electric Company
Ordnance Systems Operation
100 Woodlawn Avenue
Pittsfield, MA 01201

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

100 Woodlawn Avenue
Pittsfield, MA 012018801290027 870827
REG1 LIC30
20-03316-03 PDR

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

Edward R. Verminski

TELEPHONE NUMBER

413/494-3949

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 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, 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

Edward R. Verminski

Mgr., Industrial Hygiene &

6/9/87

14. ANNUAL RECEIPTS

<\$250K	\$1M-3.5M
\$250K-500K	\$3.5M-1M
\$500K-750K	\$7M-10M
\$750K-1M	>\$10M

b. NUMBER OF EMPLOYEES (Total for
entire facility excluding outside contractors)

c. NUMBER OF BEDS

15. WOULD YOU BE WILLING TO FURNISH COST INFORMATION (Total 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☐ NO

FOR NRC USE ONLY

TYPE OF FEE

FEE LOG

FEE CATEGORY

COMMENTS

29 JUN 1987

APPROVED BY

AMOUNT RECEIVED

CHECK NUMBER

\$150/

reimbursement

R 355003/

107469

DATE

7/13/87

PRIVACY ACT STATEMENT

Pursuant to 5 U.S.C. 552a(e)(3), enacted into law by section 3 of the Privacy Act of 1974 (Public Law 93-579), the following statement is furnished to individuals who supply information to the Nuclear Regulatory Commission on NRC Form 313. This information is maintained in a system of records designated as NRC-3 and described at 40 Federal Register 45334 (October 1, 1975).

1. **AUTHORITY:** Sections 81 and 161(b) of the Atomic Energy Act of 1954, as amended (42 U.S.C. 2111 and 2201(b)).
2. **PRINCIPAL PURPOSE(S):** The information is evaluated by the NRC staff pursuant to the criteria set forth in 10 CFR Parts 30, 32, 33, 34, 35 and 40 to determine whether the application meets the requirements of the Atomic Energy Act of 1954, as amended, and the Commission's regulations, for the issuance of a radioactive material license or amendment thereof.
3. **ROUTINE USES:** The information may be (a) provided to State health departments for their information and use; and (b) provided to Federal, State, and local health officials and other persons in the event of incident or exposure, for their information, investigation, and protection of the public health and safety. The information may also be disclosed to appropriate Federal, State, and local agencies in the event that the information indicates a violation or potential violation of law and in the course of an administrative or judicial proceeding. In addition, this information may be transferred to an appropriate Federal, State, or local agency to the extent relevant and necessary for an NRC decision or to an appropriate Federal agency to the extent relevant and necessary for that agency's decision about you.
4. **WHETHER DISCLOSURE IS MANDATORY OR VOLUNTARY AND EFFECT ON INDIVIDUAL OF NOT PROVIDING INFORMATION:** Disclosure of the requested information is voluntary. If the requested information is not furnished, however, the application for radioactive material license, or amendment thereof, will not be processed. A request that information be held from public inspection must be in accordance with the provisions of 10 CFR 2.790. Withholding from public inspection shall not affect the right, if any, of persons properly and directly concerned need to inspect the document.
5. **SYSTEM MANAGER(S) AND ADDRESS:** U.S. Nuclear Regulatory Commission
Director, Division of Fuel Cycle and Material Safety
Office of Nuclear Material Safety and Safeguards
Washington, D.C. 20555

WILLIAM A. FESSLER

91 Spadina Parkway
Pittsfield, Massachusetts 01201
Telephone: (413) 442-2348

March 1987

SUMMARY OF EXPERIENCE . . .

PhD Organic Chemist with over twenty years of Industrial R & D experience which includes:

- Management of R & D Group
- Proposal Writing
- Computer Applications in R & D
- Materials Characterization and Analysis
- Project Management
- Materials Engineering
- Organic Polymer Chemistry
- Pollution Control Analyses

PROFESSIONAL EXPERIENCE . . .

General Electric Company,
1972 to present

Materials Laboratory
Transformer Business Division
Large Transformer Operation
Pittsfield, Massachusetts 01201

Manager - Insulation Materials Unit.

Responsible for project planning and budgeting; manpower supervision, planning and review and for technical supervision of the activities of the Insulation Materials Unit. The Insulation Materials Unit consisted of as many as nineteen chemists, engineers and technicians engaged in the development, characterization and application of insulation materials. The unit's activities have included paint evaluation, paper development, wire enamel development, system aging, filament winding, polymer casting, powder coating, oil quality control, Field Oil Service analysis, pollution control analysis and analytical chemistry.

- Plan manpower needs and allocate resources to project activities as required.
- Supervise group leaders and project managers.
- Monitor project and unit budgets.
- Plan programs, estimate costs and write proposals for funding.
- Contribute to the technical activities of the Materials Laboratory.
- Provide technical support to Transformer Marketing activities.
- Acting-Manager, Materials Laboratory.

Group Leader - Dielectric Materials and Analytical Chemistry.

- Supervised daily work assignments for analytical technicians.
- Developed a computer based data acquisition system for the Laboratory.
- Developed a computer based logging and reporting system for analytical samples.
- Developed methods of analysis (chemical) and interpreted results.
- Applied computer modeling to the evaluation of materials and processes.
- Recipient of GE, Power Systems Engineering award for technical accomplishments in "Materials, Manufacturing and Quality Engineering".

PROFESSIONAL EXPERIENCE (continued) . . .

General Electric Company, Materials Laboratory (continued)

Senior Insulation Chemist and Project Leader.

- Planned and supervised projects in dielectric materials evaluation and development.
- Developed replacement for Pyranol in transformer applications.
- Evaluated oil oxidation, flammability of liquids, and thermal stability and aging of solid dielectric materials.
- Successfully managed several externally funded R & D projects.

Development Chemist

- Developed electrocoatable materials for conductor insulation.
- Evaluated transformer insulation system aging.
- Studied compatibility of dielectric materials in transformer applications.

General Electric Company,
1966 to 1972

Corporate Research and Development Center
Schenectady, New York 12345

Staff Chemist.

- Conducted basic research and development work in synthetic organic and polymer chemistry;
 - Amide-imide polymer synthesis,
 - Synthesis and properties of electrocoatable polymers,
 - Development of silicone polymers and co-polymers,
 - Development of anionic polymerization techniques,
 - Techniques of stereospecific polymerization, and
 - Use of organometallic compounds in organic synthesis.

Department of Chemistry
1962 to 1966

University of Notre Dame
Notre Dame, Indiana

Teaching Assistant

- General Chemistry and Quantitative Analysis laboratories.
- General Chemistry Discussion groups.

American Cyanamid Co.
Summer 1962

Central Research
Stamford, Connecticut

Chemist

- Synthesis of fuel components for solid rocket propellants.

FORMAL TRAINING IN RADIATION SAFETY

<u>NAME</u>	<u>WHERE TRAINED</u>	<u>DURATION OF TRAINING</u>	<u>ON THE JOB</u>	<u>FORMAL COURSES</u>
<u>William A. Fessler</u>				
16A & C	University of Notre Dame PhD - Organic Chemistry	Physical Chem Course one semester	Yes	Yes
	GE Materials Laboratory Pittsfield, Mass	Two years experience x-ray spectroscopy		
16B & D			No	No