

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 JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I
NUCLEAR MATERIAL SECTION B
831 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
MATERIAL RADIATION PROTECTION 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
811 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
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 _____

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

ELMO GREER & SONS, INC.
P.O. Box 730
London, KY 40741

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

Temporary job sites in States subject to NRC's regulatory authority.
Permanent storage will be at Elmo Greer & Sons, Inc. office at US 25 North,
London, Kentucky 40741.

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Tom L. Caudel

TELEPHONE NUMBER

(606) 843-6136

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

X

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

8510310112 850920
REG2 LIC30
16-23094-01 PDR

10. RADIATION SAFETY PROGRAM.

X

11. WASTE MANAGEMENT:

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

FEE CATEGORY 170.31 3T 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

Tom L. Caudel

TYPED/PRINTED NAME

Tom L. Caudel, P.E.

TITLE

Safety Director

DATE

7/19/85

a. ANNUAL RECEIPTS

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

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

N/A

c. NUMBER OF BEDS

N/A

d. WOULD YOU BE WILLING TO FURNISH COST INFORMATION (Dollar 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)

X YES

NO

FOR NRC USE ONLY

TYPE OF FEE

APP

FEE LOG

Aug-2-II

FEE CATEGORY

3P

COMMENTS

AMOUNT RECEIVED

\$230

CHECK NUMBER

42622

APPROVED BY

10/2/85

DATE

8/2/85

Official Copy

CONVERSATION RECORD

TIME

11:10

DATE

8/15

TYPE

☐ VISIT

☐ CONFERENCE

☒ TELEPHONE

☐ INCOMING

☒ OUTGOING

ROUTING

NAME/SYMBOL INT

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU

Tom Caudel

ORGANIZATION (Office, dept., bureau, etc.)

Elinor Greer & Sons

TELEPHONE NO.

606 - 843-6136

SUBJECT

App dtd 7/19/85 - Central # 50676

SUMMARY

Informed Mr. Caudel that we only rec'd 1st page of app. He said they realized it after it was mailed & sent the other pages a few days later to RII.

I contacted R-II & was told they did not receive the addtl pages. I then called Mr. Caudel back & asked him to send copies of the pages directly to me.

ACTION REQUIRED

Hold 50676 pending receipt of addtl pages

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

W. J. Jackson

DATE

8/15/85

ACTION TAKEN

SIGNATURE

TITLE

DATE

50271-101

U.S. G.P.O. 1983-381-526/B346

CONVERSATION RECORD

OPTIONAL FORM 271 (12-76)
DEPARTMENT OF DEFENSE

APPLICATION FOR MATERIAL LICENSE

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TELEPHONE NUMBER

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9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM. ☒

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SIGNATURE—CERTIFYING OFFICER

Tom L. Caudel

TYPED/PRINTED NAME

Tom L. Caudel, P.E.

TITLE

Safety Director

DATE

7/19/85

14. VOLUNTARY ECONOMIC DATA

a. ANNUAL RECEIPTS

☐ <\$250K
☐ \$250K-\$500K
☐ \$500K-\$750K
☒ \$750K-\$1M

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

N/A

c. NUMBER OF BEDS

N/A

d. WOULD YOU BE WILLING TO FURNISH COST INFORMATION (Dollar 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 | APPROVED BY |
|-----------------|--------------|--------------|----------|-------------|
| AMOUNT RECEIVED | CHECK NUMBER | | | DATE |
| | | | | 58676 |

NRC Application for material license

ELMO GREER & SON, INC.
P.O. Box 730
London, Kentucky 40341
Phone (505) 843-6136

Item #5 Radioactive Materials

1. Radioactive Material/Chemical or Physical Form/Maximum Amount

- A. Cesium-137 Sealed Source (Troxler Drawing A-102112)
No single source to exceed 10 millicuries
- B. Americium-241 Sealed Source (Troxler Drawing A-102451)
No single source to exceed 50 millicuries

Item #6 Purpose for which licensed material will be used

The licensed material will be used in Troxler Model 3400 Series Moisture Density Gauges to measure properties of construction materials.

Item #7 Individuals Responsible for Safety Program

Mr. Tom L. Caudel and Mr. Joseph Powell are responsible for Elmo Greer and Sons Safety Program. Both were trained in Radiation Safety by Reeves Engineering Service on July 18, 1984. Mr. Caudel has worked with nuclear density gauges since 1973. Mr. Powell has worked with these gauges since August 1984.

Item #8 Training for individuals working in or frequenting restricted areas

All individuals working with the gauges shall have completed the radiation safety training. Any individual that will be a frequent observer will be instructed by the user of the gauge as to proper procedures.

Item #9 Facilities and Equipment

The nuclear density gauge shall be stored in a locked enclosure that will prevent access by unauthorized persons. In addition the carrying case for the gauge or the source rod shall be locked except when the gauge is in use.

NRC Application for material license

3. Emergency Procedures

- A. In the event of physical damage to a gauge, the following will be performed:
1. Immediately cordon off an area around the gauge. An area radius of 15 feet will be sufficient.
 2. If a vehicle is involved, It must be stopped until the extent of contamination, if any, can be established.
 3. A visual inspection of the gauge is to be made to determine if the source housing and/or shielding has been damaged.
 4. At the earliest possible time, when the situation is under control, you must contact Tom Caudel at (606)-843-6136 during office hours or (606)-843-6586 at nights or weekends. Describe the present conditions and follow the instructions of the Radiation Safety Officer.
 5. Notification of damage must also be made to the Kentucky Cabinet for Human Resources, Radiation Control Branch at (502)-564-3700 (weekdays 8:00AM to 5:00PM) or (502)-564-7815 (nights, weekends, or holidays). Also notify the Trokier Company at (919)-549-8661.
- B. In the event the gauge is lost or stolen, immediately notify the Radiation Safety Officer as listed above in Item 3.A.4 and make notifications listed in Item 3.A.5

Item #11 WASTE DISPOSAL PLAN FOR RADIOACTIVE MATERIALS

Sources will be returned to the manufacturer or another authorized licensee when use is discontinued. If replacement of the source is needed, the instrument will be returned to the manufacturer for this work.