NRC FORM 313
(10-87)
10 CFR 30, 32, 33, 34, 35 and 40

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED BY OMB
3150-0120
Expires: 6-30-90

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 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 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
NUCEAR 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 _____
- [X] C. RENEWAL OF LICENSE NUMBER 45-21434-01

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

English Construction Co., Inc.
P. O. Box 191
Altavista, VA 24517

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

at address listed in Item 2 and at temporary job sites throughout US, where USNRC maintain jurisdiction over byproducts materials.

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Robert B. Carpenter, Jr., Vice President

TELEPHONE NUMBER: 804/324-7241

SUBMIT ITEMS 5 THROUGH 11 ON 8½ 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: renewal AMOUNT ENCLOSED: $ 150.00

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
Robert B. Carpenter	ROBERT B. CARPENTER, JR.	Vice President	8/31/88

8910160315 881004
REG2 LIC30
45-21434-01 PDR

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	COMMENTS	APPROVED BY
Ren	Sept-4-11	3P		M. Russell
AMOUNT RECEIVED	CHECK NUMBER			DATE
$150 ($30 refunded)	6067			9/14/88

5. (a.) CS-137 (b.) sealed source (c.) not to exceed 10 mci per source
AM 241:BE sealed source not to exceed 10 mci per source

6. For use in a Troxler Model 3400 Series Surface Moisture Density Gauge - to measure properities of construction materials.

7. Robert B. Carpenter, Jr., Vice President, Company Radiation Safety Officer.

8. Each individual that will operate the nuclear gauge will complete the Troxler nuclear gauge training course, read and understand our radiation safety procedures; and, be approved by our Radiation Safety Officer.

9. Each sealed source will be stored or used - Surface Moisture Density Gauge manufactured by Troxler Electronics, model number 3400 series

10. RADIATION PROTECTION PROGRAM

Robert B. Carpenter, Jr., Vice-President has been named as company Radiation Safety Officer. The duties of the RSO are:

A. Assure that the information in the license is up-to-date and that all terms and conditions of that license are enforced.

B. Make certain that the equipment has been "leak tested" in the required and timely manner; and, that the "leak test" is performed in the manner prescribed by the equipment manufacturer.

C. Allow only individuals authorized by the RSO to use the equipment and that they wear personnel monitoring equipment when using said equipment.

D. Maintain records required by the license and regulations including personnel exposure records, leak test records and training certificates for all users.

E. Make certain that the equipment is properly secured against unauthorized removal at all times when not in use.

F. To serve as a point of contact and give assistance in case of emergency such as equipment damaged in the field or theft, and, to notify the proper authorities in case of emergency.

G. Make certain that all users have read, understood and confirmed in writing the Radiation Safety Operating and Emergency Procedures.

11. Sources will be returned to the manufacturer or another authorized licensee when use is discontinued.

NRC Form 314
(11-82)
10 CFR 30.36(d)(1)(iv)
10 CFR 40.42(d)(1)(iv)
10 CFR 70.38(d)(1)(iv)

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB
3150-0028
EXPIRES 12-31-88

CERTIFICATE OF DISPOSITION OF MATERIALS

(All items MUST be completed, please print)

LICENSEE NAME AND ADDRESS	LICENSE NUMBER
English Construction Co., Inc. P. O. Box 191 Altavista, VA 24517	45-21434-01
	LICENSE EXPIRATION DATE 9/30/88

THE LICENSEE OR ANY INDIVIDUAL EXECUTING THIS CERTIFICATE ON BEHALF OF THE LICENSEE CERTIFIES THAT: *(Check and/or complete the appropriate item(s) below.)*

A. MATERIALS DATA *(Check one and complete, as necessary)*

[X] 1. NO MATERIALS HAVE EVER BEEN POSSESSED OR PROCURED BY THE LICENSEE UNDER THIS LICENSE.

OR

[ ] 2. ALL MATERIALS PROCURED AND/OR POSSESSED BY THE LICENSEE UNDER THE LICENSE NUMBER CITED ABOVE HAVE BEEN TRANSFERRED ON

DATE | TO | WHICH HAS NRC LICENSE NUMBER

OR

[ ] 3. ALL MATERIALS PROCURED AND/OR POSSESSED BY THE LICENSEE UNDER THE LICENSE NUMBER CITED ABOVE HAVE BEEN TRANSFERRED ON

DATE | TO | WHICH HAS LICENSE NUMBER | ISSUED BY THE STATE OF

AN AGREEMENT STATE PURSUANT TO SECTION 274 OF THE ATOMIC ENERGY ACT OF 1954, AS AMENDED, AND THE ENERGY REORGANIZATION ACT OF 1974.

OR

[ ] 4. MATERIALS HAVE BEEN DISPOSED OF IN THE FOLLOWING MANNER. *(Describe specific disposal procedures—if additional space is needed, use the reverse of this form, or provide attachments)*

B. OTHER DATA

[ ] 1. OUR LICENSE HAS NOT YET EXPIRED. PLEASE TERMINATE IT.

[ ] 2. WAS A RADIATION SURVEY CONDUCTED TO CONFIRM THE ABSENCE OF LICENSED RADIOACTIVE MATERIALS AND TO DETERMINE WHETHER ANY CONTAMINATION REMAINS ON THE PREMISES COVERED BY THE LICENSE? *(Check one)*

- [X] NO
- [ ] YES. THE RESULTS *(Check one)*
  - [ ] ARE ATTACHED, OR
  - [ ] WERE FORWARDED TO NRC ON *(Date)*

3. THE PERSON TO BE CONTACTED REGARDING THE INFORMATION PROVIDED ON THIS FORM

NAME	TELEPHONE NUMBER
Robert B. Carpenter, Jr., Vice President	804/324-7241

4. MAIL ALL FUTURE CORRESPONDENCE REGARDING THIS LICENSE TO

Robert B. Carpenter, Jr., Vice President

RETURN TO:

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

CERTIFYING OFFICIAL

SIGNATURE | DATE

PRINTED NAME AND TITLE

M512

AUG 31 1983

English CONSTRUCTION COMPANY, INC.
P.O. BOX 191 • ALTAVISTA, VIRGINIA 24517 • PHONE 804-324-7241

August 24, 1983

United States Nuclear Regulatory Commission
Region II
101 Marietta Street, NW
Suite 3100
Atlanta, GA 30303

Attn: Paul R. Guinn,
Materials Radiation Protection Section
Division of Emergency Preparedness and
Materials Safety Programs

Re: By product material license
15350-030-20660

Gentlemen:

Per your request, enclosed please find the following additional information concerning portable and semiportable gauges devices.

1. Item 12, frequency of exchange of film badges and/or TLD dosimeters will be monthly.

2. Item 13, Describe permanent storage area for gauges or device. Gauge will be stored at our main office located on US29 S. Altavista, VA. 24517 (diagram of storage area is enclosed.)

If there is any other information needed in this regard, please advise.

Sincerely,

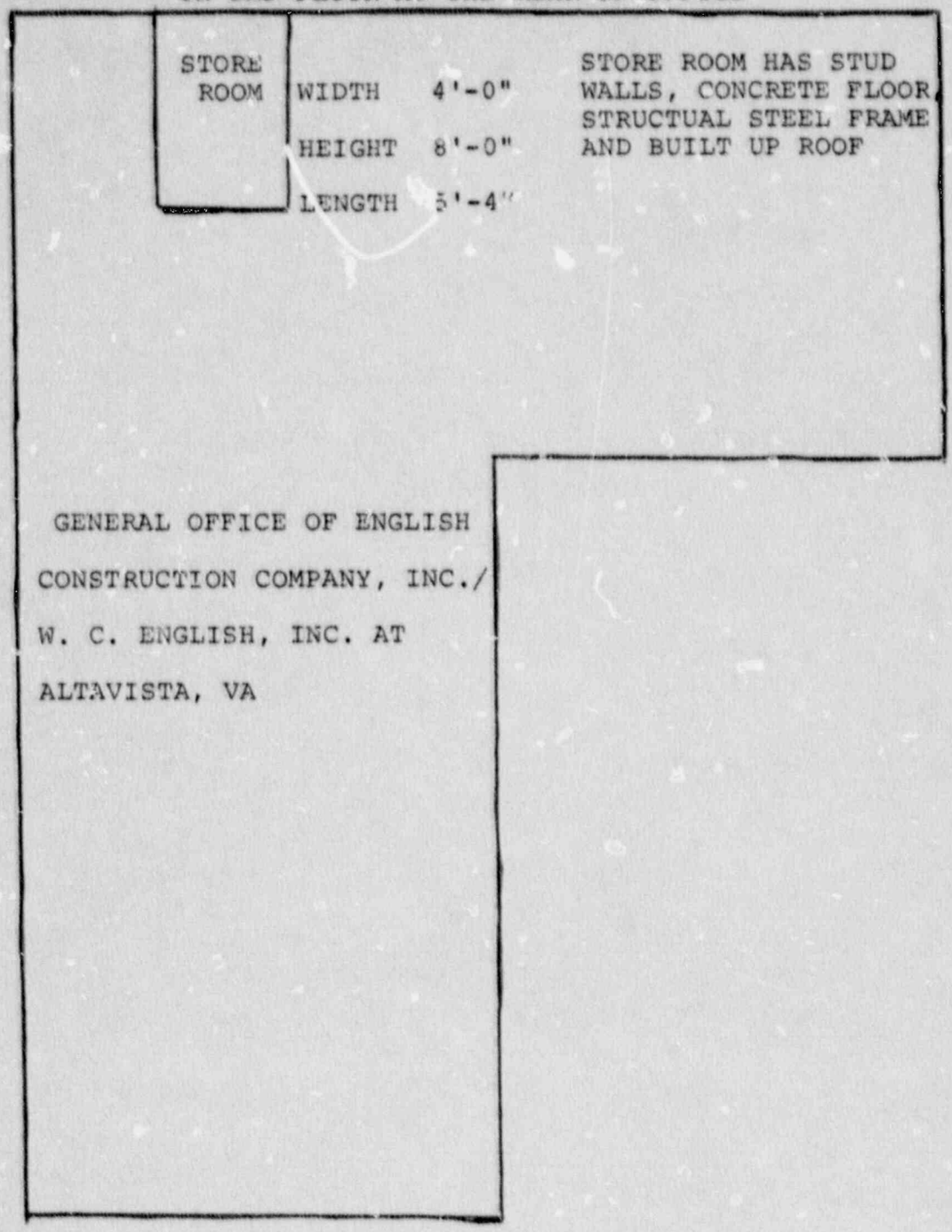
English Construciton Co., Inc.

Robert B. Carpenter, Jr.
Vice-President

RBCJr/db

Enclosure

TROXLER CS137 IN STORAGE CASE IN STORE ROOM LOCATED ON 2ND FLOOR AT THE REAR OF OFFICE



FORM NRC-313 I (3-80) 10 CFR 30

U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR BYPRODUCT MATERIAL LICENSE
INDUSTRIAL

1. APPLICATION FOR: (Check and/or complete as appropriate)

30-20660

a. NEW LICENSE

b. AMENDMENT TO: LICENSE NUMBER 03120

c. RENEWAL OF: LICENSE NUMBER LEL 21434

See attached instructions for details.

Completed applications are filed in duplicate with the Division of Fuel Cycle and Material Safety, Office of Nuclear Material Safety, and Safeguards, U.S. Nuclear Regulatory Commission, Washington, DC 20555 or applications may be filed in person at the Commission's office at 1717 H Street, NW, Washington, D. C. or 7915 Eastern Avenue, Silver Spring, Maryland.

2. APPLICANT'S NAME (Institution, firm, person, etc.)
English Construction Company, Inc.
TELEPHONE NUMBER: AREA CODE – NUMBER EXTENSION
804-324-7241

3. NAME AND TITLE OF PERSON TO BE CONTACTED REGARDING THIS APPLICATION
Robert B. Carpenter, Jr. V-P
TELEPHONE NUMBER: AREA CODE – NUMBER EXTENSION
804-324-7241

4. APPLICANT'S MAILING ADDRESS (Include Zip Code) (Address to which NRC correspondence, notices, bulletins, etc., should be sent.)
PO Box 191
Altavista, VA 24517

5. STREET ADDRESS WHERE LICENSED MATERIAL WILL BE USED (Include Zip Code)
at address listed in Item 4 and at temporary job sites throughout US, where USNRC maintain jurisdication over by products materials.

(IF MORE SPACE IS NEEDED FOR ANY ITEM, USE ADDITIONAL PROPERLY KEYED PAGES.)

6. INDIVIDUAL(S) WHO WILL USE OR DIRECTLY SUPERVISE THE USE OF LICENSED MATERIAL
(See Items 16 and 17 for required training and experience of each individual named below)

	FULL NAME	TITLE
a.	Robert B. Carpenter, Jr.	Vice-President
b.	Emmett Holdren	Engineer
c.	Don Morris	Project Supervisor

7. RADIATION PROTECTION OFFICER
Robert B. Carpenter, Jr.

Attach a resume of person's training and experience as outlined in Items 16 and 17 and describe his responsibilities under Item 15.

Applicant: Check No. 3332 Amount/Fee Category 4/10-3C Date Check Rec'd 7/19/83 Received By [illegible]

8. LICENSED MATERIAL

LINE NO.	ELEMENT AND MASS NUMBER (A)	CHEMICAL AND/OR PHYSICAL FORM (B)	NAME OF MANUFACTURER AND MODEL NUMBER (If Sealed Source) (C)	MAXIMUM NUMBER OF MILLICURIES AND/OR SEALED SOURCES AND MAXIMUM ACTIVITY PER SOURCE WHICH WILL BE POSSESSED AT ANY ONE TIME (D)
(1)	CS-137	sealed source	Troxler DWG-#A-102112	Not to exceed 10 mci per source
(2)	AM 241:BE	sealed source	Troxler DWG-#A-102451	Not to exceed 50 mci per source
(3)				
(4)				

83 JUL 18 P2:49

DESCRIBE USE OF LICENSED MATERIAL (E)

(1) For use in a Troxler Model 3400 Series Surface
(2) Moisture Density Gauge - To Measure
(3) Properities of Construction Materials
(4)

RECEIVED BY LFMB
Date 7/29/83
Log July-6
By 8
Orig. To
Action Compl. 8/3/83

15350

9. STORAGE OF SEALED SOURCES

LINE NO.	CONTAINER AND/OR DEVICE IN WHICH EACH SEALED SOURCE WILL BE STORED OR USED. A.	NAME OF MANUFACTURER B.	MODEL NUMBER C.
(1)	Surface Moisture Density Gauge	Troxler Electronics	3400 series
(2)			
(3)			
(4)			

10. RADIATION DETECTION INSTRUMENTS

LINE NO.	TYPE OF INSTRUMENT A	MANUFACTURER'S NAME B	MODEL NUMBER C	NUMBER AVAILABLE D	RADIATION DETECTED (alpha, beta, gamma, neutron) E	SENSITIVITY RANGE (milliroentgens/hour or counts/minute) F
(1)	None					
(2)						
(3)						
(4)						

11. CALIBRATION OF INSTRUMENTS LISTED IN ITEM 10

☐ a. CALIBRATED BY SERVICE COMPANY

NAME, ADDRESS, AND FREQUENCY

N/A

☐ b. CALIBRATED BY APPLICANT

Attach a separate sheet describing method, frequency and standards used for calibrating instruments.

12. PERSONNEL MONITORING DEVICES

TYPE (Check and/or complete as appropriate.) A	SUPPLIER (Service Company) B	EXCHANGE FREQUENCY C
☒ (1) FILM BADGE	R. S. Landauer, Jr. & Co. Glenwood Science Park Glenwood, Illinois 60425	☐ MONTHLY
☐ (2) THERMOLUMINESCENCE DOSIMETER (TLD)	312-755-7000	☐ QUARTERLY
☐ (3) OTHER (Specify):		☐ OTHER (Specify):

13. FACILITIES AND EQUIPMENT (Check were appropriate and attach annotated sketch(es) and description(s).

- ☐ a. LABORATORY FACILITIES, PLANT FACILITIES, FUME HOODS (Includ filtration, if any), ETC.
- ☒ b. STORAGE FACILITIES, CONTAINERS, SPECIAL SHIELDING (fixed and/or temporary), ETC.
- ☐ c. REMOTE HANDLING TOOLS OR EQUIPMENT, ETC.
- ☐ d. RESPIRATORY PROTECTIVE EQUIPMENT, ETC.

14. WASTE DISPOSAL

a. NAME OF COMMERCIAL WASTE DISPOSAL SERVICE EMPLOYED

b. IF COMMERCIAL WASTE DISPOSAL SERVICE IS NOT EMPLOYED, SUBMIT A DETAILED DESCRIPTION OF METHODS WHICH WILL BE USED FOR DISPOSING OF RADIOACTIVE WASTES AND ESTIMATES OF THE TYPE AND AMOUNT OF ACTIVITY INVOLVED. IF THE APPLICATION IS FOR SEALED SOURCES AND DEVICES AND THEY WILL BE RETURNED TO THE MANUFACTURER, SO STATE.

Sources will be returned to the manufacturer or another authorized licensee when use is discontinued.

INFORMATION REQUIRED FOR ITEMS 15, 16 AND 17

Describe in detail the information required for Items 15, 16 and 17. Begin each item on a separate page and key to the application as follows:

15. RADIATION PROTECTION PROGRAM. Describe the radiation protection program as appropriate for the material to be used including the duties and responsibilities of the Radiation Protection Officer, control measures, bioassay procedures *(if needed)*, day-to-day general safety instruction to be followed, etc. If the application is for sealed source's also submit leak testing procedures, or if leak testing will be performed using a leak test kit, specify manufacturer and model number of the leak test kit.

16. FORMAL TRAINING IN RADIATION SAFETY. Attach a resume for each individual named in Items 6 and 7. Describe individual's formal training in the following areas where applicable. Include the name of person or institution providing the training, duration of training, when training was received, etc.

    a. Principles and practices of radiation protection.

    b. Radioactivity measurement standardization and monitoring techniques and instruments.

    c. Mathematics and calculations basic to the use and measurement of radioactivity.

    d. Biological effects of radiation.

17. EXPERIENCE. Attach a resume for each individual named in Items 6 and 7. Describe individual's work experience with radiation, including where experience was obtained. Work experience or on-the-job training should be commensurate with the proposed use. Include list of radioisotopes and maximum activity of each used.

Item 15 - See attached Radiation Safety Program

Item 16-17 - See attached Certificate of Training for the Radiation Safety Officer

18. CERTIFICATE

(This item must be completed by applicant)

The applicant and any official executing this certificate on behalf of the applicant named in Item 2, certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, Part 30, and that all information contained herein, including any supplements attached hereto, is true and correct to the best of our 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.

a. LICENSE FEE REQUIRED *(See Section 170.31, 10 CFR 170)*	b. CERTIFYING OFFICIAL *(Signature)*
	c. NAME *(Type or print)* Robert B. Carpenter, Jr.
(1) LICENSE FEE CATEGORY:	d. TITLE Vice-President
(2) LICENSE FEE ENCLOSED: $	e. DATE 7/14/83

FORM NRC-313 I (3-80)

English CONSTRUCTION COMPANY, INC.
P.O. BOX 191 • ALTAVISTA, VIRGINIA 24517 • PHONE 804-324-7241

ITEM # 15: RADIATION PROTECTION PROGRAM

Robert B. Carpenter, Jr., Vice-President has been named as company Radiation Safety Officer. The duties of the RSO are:

A. Assure that the information in the license is up-to-date and that all terms and conditions of that license are enforced.

B. Make certain that the equipment has been "leak tested" in the required and timely manner; and, that the "leak test" is performed in the manner prescribed by the equipment manufacturer.

C. Allow only individuals authorized by the RSO to use the equipment and that they wear personnel monitoring equipment when using said equipment.

D. Maintain records required by the license and regulations including personnel exposure records, leak test records and training certificates for all users.

E. Make certain that the equipment is properly secured against unauthorized removal at all times when not in use.

F. To serve as a point of contact and give assistance in case of emergency such as equipment damaged in the field or theft, and, to notify the proper authorities in case of emergency.

G. Make certain that all users have read, understood and confirmed in writing the Radiation Safety Operating and Emergency Procedures.

English CONSTRUCTION COMPANY, INC.
P.O. BOX 191 • ALTAVISTA, VIRGINIA 24517 • PHONE 804-324-7241

OPERATING PROCEDURES FOR USE OF TROXLER MODEL 3400 SERIES SURFACE MOISTURE DENSITY GAUGES:

A. Transportation of Equipment

1. All possible means shall be provided to ensure that the equipment is fully secured in the transporting vehicles; and, the equipment is away from the passenger compartment. When transporting in an enclosed vehicle (car or van) the vehicle will be locked. When transporting in an open bed vehicle, the gauge should be securely fastened and locked to the truck bed.

2. The gauge will be transported in the Troxler transportation case. The US Department of Transportation requires that the gauge be transported in a properly labeled carrying case.

B. Utilization Procedures

1. When the gauge is in the field, you as the authozired user must maintain control over the gauge at all times. The gauge must never be left unattended.

2. When not making measurements, the gauge should be placed in the transportation case, and returned to its permanent storage area as soon as possible. The gauge is to be used for its intended use only, by doing so you will maintain any radiation exposure to as low as reasonably attainable.

3. When using the equipment, you will wear the personnel monitoring device that has been assigned to you. When you are not using the equipment, your monitoring device is to be stored in the radiation free area that has been designated in the office.

C. Maintenance and Leak Test Procedures

1. Periodic maintenance will include cleaning the gauge. During any maintenance, you must wear your personnel monitoring device.

2. No maintenance will be performed in which the radioactive source is removed from the gauge. For this type of maintenance, the gauge will be returned to the manufacturer.

3. The leak test will be performed using the Troxler Model 3880 Leak Test Kit. The leak test will be performed under the manufacturer's instructions. Again, the personnel monitoring device will be worn and all means to limit radiation exposure will be employed. Gauges will be leak tested at intervals not to exceed six (6) months.

3. EMERGENCY PROCEDURES

A. In the event of physical damage to a gauge, the following will be performed:

1. Immediately cordon off an area aroung 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 earilest possible time, when the situation is under control, you must contact Robert B. Carpenter, Jr., Vice-President (804-324-7241). Describe the present conditions and follow the instructions of the Radiation Safety Officer.

B. In the event the gauge is lost or stolen, immediately notify the Radiation Safety Officer as listed above in Item 3.A.4.

15350

English CONSTRUCTION COMPANY, INC.
P.O. BOX 191 • ALTAVISTA, VIRGINIA 24517 • PHONE 804-324-7241

ITEM # 16: FORMAL TRAINING IN RADIATION SAFETY

1. Robert B. Carpenter, Jr., Vice-President/Safety Officer
   Troxler #02985

2. Emmett Holdren, Engineer
   Troxler #02986

3. Don Morris, Project Supervisor
   Troxler #02989
   West Virginia DOT training in use of nuclear compaction equipment.