

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 39, 40 and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee		
1. KCE Structural Engineers, P.C.	3. License number 08-30006-01	
2. 1818 Jefferson Place, NW Washington, District of Columbia 20036	4. Expiration date December 31, 1997	
	5. Docket or Reference No 030-33019	
6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Cesium 137	A. Sealed sources	A. Not to exceed 10 millicuries per source and 100 millicuries total
B. Americium 241	B. Sealed neutron sources	B. Not to exceed 50 millicuries per source and 500 millicuries total

9. Authorized use

A. and B. For possession and use in Troxler Electronics Laboratories, Inc., Campbell Pacific Nuclear Corp., Humboldt Scientific, Inc., Seaman Nuclear Corporation, or Soiltest, Incorporated devices which have been evaluated and approved for licensing purposes under a license issued by the Nuclear Regulatory Commission or an Agreement State.

CONDITIONS

10. Licensed material may be used at the licensee's facilities at 1818 Jefferson Place, NW, Washington, D.C. and may be used at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.
11. A. Licensed material shall be used by, or under the supervision and in the physical presence of James C. Johnson, or individuals who have successfully completed the manufacturer's training program for gauge users and who have been designated by the Radiation Safety Officer. The licensee shall maintain records of individuals designated as users for 3 years following the last use of licensed material by the individual.
- B. The Radiation Safety Officer for this license is James C. Johnson.

120157

OFFICIAL RECORD COPY ML 10

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

08-30006-01

Drawer or Reference number

030-33019

(Continued)

CONDITIONS

12. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders or detector cells by the licensee.
13. A. Sealed sources and detector cells shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed 3 years.
- B. Notwithstanding Paragraph A of this Condition, sealed sources designed to emit alpha particles shall be tested for leakage and/or contamination at intervals not to exceed 3 months.
- C. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
- D. Each sealed source fabricated by the licensee shall be inspected and tested for construction defects, leakage, and contamination prior to any use or transfer as a sealed source.
- E. Sealed sources and detector cells need not be leak tested if:
- (i) they contain only hydrogen 3; or
 - (ii) they contain only a gas; or
 - (iii) the half-life of the isotope is 30 days or less; or
 - (iv) they contain not more than 100 microcuries of beta and/or gamma emitting material or not more than 10 microcuries of alpha emitting material; or
 - (v) they are not designed to emit alpha particles, are in storage, and are not being used. However, when they are removed from storage for use or transfer to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source or detector cell shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- F. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Commission. If the test reveals the presence of 0.005 microcurie or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission and the source shall be removed from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within 5 days of the date the leak test result is known with the U.S. Nuclear Regulatory Commission, Region I, ATTN: Chief, Nuclear Materials Safety Branch, 475 Allendale Road, King of Prussia, Pennsylvania 19406. The report shall specify the source involved, the test results, and corrective action taken.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License number

08-30006-01

Docket or Reference number

030-33019

(13. Continued)

CONDITIONS

- G. The licensee is authorized to collect leak test samples for analysis by Troxler Electronics Laboratories, Inc. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
14. The licensee may transport licensed material in accordance with the provisions of 10 CFR 71, "Packaging and Transportation of Radioactive Material."
15. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory.
16. Each portable nuclear gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container shall be locked when in transport or when not under the direct surveillance of an authorized user.
17. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application dated November 17, 1992
B. Letter dated November 25, 1992

For the U.S. Nuclear Regulatory Commission

Original Signed By:

By Steven R. Courtemanche

Nuclear Materials Safety Branch
Region I

King of Prussia, Pennsylvania 19406

Date DEC 08 1992

DEC 08 1992

License No. 08-30006-01
Docket No. 030-33019
Control No. 117438

KCE Structural Engineers, P.C.
ATTN: Allyn E. Kilsheimer, President
1818 Jefferson Place, NW
Washington, DC 20036

Dear Mr. Kilsheimer:

Please find enclosed your NRC material license.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the Region I Material Licensing Section, (215) 337-5093, so that we can provide appropriate corrections and answers.

Please be advised that you must conduct your program involving licensed radioactive materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, please note the items in the enclosed, "Requirements for Materials Licensees."

Since serious consequences to employees and the public can result from failure to comply with NRC requirements, the NRC expects licensees to pay meticulous attention to detail and to achieve the high standard of compliance which the NRC expects of its licensees.

You will be periodically inspected by NRC. A fee may be charged for inspections in accordance with 10 CFR Part 170. Failure to conduct your program safely and in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in prompt and vigorous enforcement action against you. This could include issuance of a notice of violation, or in case of serious violations, an imposition of a civil penalty or an order suspending, modifying or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Actions, 10 CFR Part 2, Appendix C.

KCE Structural Engineers, PC

-2-

We wish you success in operating a safe and effective licensed program.

Sincerely,

Original Signed By:
Steven R. Courtemanche

Steven R. Courtemanche
Nuclear Materials Safety Branch
Division of Radiation Safety
and Safeguards

Enclosures:

1. License No. 08-30006-01
2. Requirements for Materials Licensees
3. NRC Forms 3 and 313
4. 10 CFR Parts 2, 19, 20, 21, 30, and 170
5. Agreement State List

DRSS:RI
Courtemanche/GMP

12/ 8/92

KCE STRUCTURAL ENGINEERS, P.C.

CONSULTING ENGINEERS • 1818 JEFFERSON PLACE, N.W. • WASHINGTON, D.C. 20036 • 202-833-8622

MS16

K-4

DATE: 11/25/92
Fax #: 202-833-3877

030-37019

FACSIMILE COVER SHEET

TO: Steve Quartermarsh (Nuclear Regulatory Commission)

Fax #: 215-337-5269

FR: Margaret S. Devenney

RE: Application for Material License
(Mail Control No. 11743S, 11/17/92)

THERE WILL BE 3 PAGES TO FOLLOW THIS COVER SHEET.

COMMENTS: As we discussed, I have incorporated the additional required information into amended responses to Questions #5 - 11. Mr. Kilsheimer has signed the last page.

If there are any remaining problems, please let me know right away. As you know, we are anxious to obtain this license as soon as possible. I certainly appreciate everything you have done to expedite the process for us.

Prepared by msd @ 8:50 am
Sent by fax @ 8:56 am pm



OFFICIAL RECORD COPY ML 10

11743S
FAX RECD 11/25/92



APPLICATION FOR MATERIAL LICENSE
KCE Structural Engineers, PC
November 17, 1992 (Amended: 11/24/92)

5. Radioactive Material

- (1) Gamma-emitting sealed source, cesium-137, and a sealed neutron source, americium-241-beryllium, 40 mci.
- (2) Sealed source in Troxler Nuclear Density Gauge, Model #3440.
- (3) 9 mci, 40 mci
- (4) Troxler Nuclear Density Gauge, Model #3440.

6. Purposes for which Licensed Material will be used

Moisture and compaction density gauging (Troxler Nuclear Density Gauge, Model #3440) for construction material; to test material adjacent to existing buildings which are experiencing movement.

7. Individuals responsible for radiation safety program and their training and experience

James C. Johnson Certified in operation of nuclear density gauge (qualified by completing 24-hour course in Fall, 1988, "Soil Density Gauge Training / Basic Radiation Handling Techniques," sponsored jointly by ATEC Associates and Health Physic Services, Inc., instructors were Catherine Haney and Dominic Orlando who are currently employed in headquarters office of NRC).

Certified as Concrete Technician I and Soils Technician I by Washington Area Council of Engineering Laboratories (WACEL). (1988)

BS - Geology - University of Florida

April 1989 - Present - Employed as concrete and soils inspector/technician by KCE Structural Engineers, PC

July 1986 - April 1989 - Employed by ATEC Associates of Virginia, Inc.

Duties and responsibilities of individual responsible for radiation safety program

The duties of the above named individual will include:

- Overall responsibility for use and maintenance of the device and for administration of the safety program.

- Supervision of routine care and maintenance of the device.

- Supervision of use of the device at temporary jobsite, transportation to and from the jobsite, and securing of the device in permanent storage facility.

- Maintenance of written records of device use and safety program procedures.

- Supervision of personnel monitoring program (film badges).

- Supervision of leak-testing program.

8. Training for individuals working in or frequenting restricted areas

Any other individuals working in or frequenting area of use of the nuclear density testing gauge, will be under the direct and constant supervision of James C. Johnson, or other individuals who have received the manufacturer's training course. (see answer #7)

9. Facilities and Equipment

When not in use, the Troxler Nuclear Density Testing Gauge will be stored in a locked closet at KCE Structural Engineers' offices at 1818 Jefferson Place, NW, Washington DC. When in use on the temporary jobsite, the device will be under the direct and constant supervision of James C. Johnson (see answer #7). When transporting the device from one temporary jobsite to another or from temporary jobsite back to permanent location, the device will be kept secured in the transporting vehicle and not removed, in accordance with DOT regulations. When temporarily not in use at the jobsite, the device will be kept in a locked closet in the construction trailer (also locked). At no time will the device be left unattended or accessible to unauthorized persons.

10. Radiation safety program

- a) Personnel Monitoring Equipment When the device is in use, personnel using the device will be required to wear film badges to ensure that their exposure does not exceed permitted levels. Film badges will be changed every 30 days.

Film Badges will be supplied and processed by:

Troxler Electronics
3006 Cornwallis Road
Research Triangle Park, NC 27709

- b) Radiation Detection Instruments Not applicable (see above).

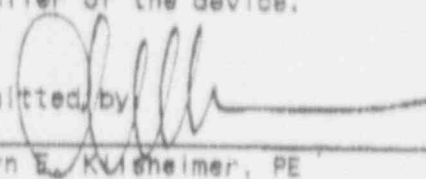
- c) Leak-Testing The device will be leak tested at 6-month intervals with a commercial leak-test kit. The sample taking for the leak-test will be supervised by James C. Johnson (see answer #7).

Leak-Test kit will be supplied by Troxler Electronics (Model No. 3880), and will be used only per the manufacturer's instructions.

- d) Maintenance Routine maintenance and cleaning of the device will not involve removing the radioactive source from the device.
- e) Transportation of Device to Field Locations Packaging and transport of the device to and from temporary jobsite locations will be carried out in accordance with applicable DOT regulations.
- f) Operating and Emergency Procedures Written operating and emergency procedures are provided to any personnel who may come in contact with the device. Said procedures include specific procedures for use of personnel monitoring; use of the device; storage of the device; transportation; leak-testing; and emergency procedures.

11. Waste Management

Waste radioactive material will be transferred to the original supplier of the device.

Submitted by 

Allyn E. Kirschner, PE
President,
KCE Structural Engineers, PC

OFFICIAL RECORD COPY ML 10

117438

LICENSE NO. 08-30006-01
DOCKET NO. 30-33019
CONTROL NO. 117438

NAME KCE STRUCTURAL ENGINEERS, PC
ATTN: ALLYN E. KILSHEIMER, PRESIDENT
ADDRESS 1818 JEFFERSON PLACE, NW
WASHINGTON, DC 20036

GENTLEMAN,

/X/ THIS IS TO CONFIRM THE TELEPHONE CONVERSATION ON 11/24/92
Ms. Margaret Devenney of your staff
BETWEEN YOURSELF AND *Mr. Steven Courtman* OF THIS OFFICE.

OR
/ / THIS IS TO CONFIRM OUR TELEPHONE CONVERSATION ON _____

THE INFORMATION NEEDED TO CONTINUE REVIEW OF YOUR
APPLICATION DATED 11/17/92 WAS DISCUSSED.

THESE ITEMS ARE RESTATED BELOW:

1. Please submit for our review a copy of the manufacturer's training certificate for the course taken by Mr. James Johnson.
2. Confirm that those individuals who use the moisture density gauge while not under the direct supervision and in the physical presence of Mr. Johnson will have first completed a manufacturer's training course.
3. Provide the name of the supplier of your permanent monitoring devices and the name of the company that processes the budgets of different *(over)*

IF WE DO NOT RECEIVE A REPLY FROM YOU WITHIN 30 CALENDAR DAYS
FROM THE DATE OF THIS LETTER, WE SHALL ASSUME THAT YOU DO NOT
WISH TO PURSUE YOUR APPLICATION.

SINCERELY,

NUCLEAR MATERIALS SAFETY SECTION
NUCLEAR MATERIALS SAFETY BRANCH

OFFICIAL RECORD COPY

ML 10

CONCURRENCES: _____

117438

- 4 Provide the model number of the manufacturer's leak test kit that you will use and either a commitment that the manufacturer's procedures will be followed or your own procedures for our review.
- 5 Confirm that the moisture-density gauges will be stored in a locked motor vehicle and not in a private residence when they can not be stored in the restricted area of a temporary job site or your permanent place of storage.
- 6 Provide, for our review, a list of the duties of your Radiation Safety Officer.

CONVERSATION RECORD

TIME

7:15 AM

DATE

11/24/92

TYPE

☐ VISIT

☐ CONFERENCE

☒ TELEPHONE

☒ INCOMING

☐ OUTGOING

ROUTING

NAME/SYMBOL INT

Location of Visit/Conference:

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

Margaret Devanny

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

KLE Structural Engineers

TELEPHONE NO.

(202) 833-8622

SUBJECT

Telephone Deficiency (W 08 2006-01)

SUMMARY

Mrs Devanny called to see what the status of the license was. I stated that I had finished the review and needed more information.

1. James Johnson would be the RSO and had taken a manufacturer's course in the use of the gauge. A certificate would be supplied.
2. Others will eventually use the gauge, they will have the manufacturer's training.
3. Supplier and processor of film badges wasn't provided.
4. Manufacturer and model of of leak test kit wasn't provided. Commitment to follow manufacturer's instructions.
5. Gauge may be kept overnight inside of transporting vehicle and not brought back to permanent storage. Gauge will not be brought into private residence.
6. List of the duties of the Radiation Safety Officer wasn't provided.

ACTION REQUIRED

none / Telephone Deficiency

NAME OF PERSON DOCUMENTING CONVERSATION

Steven Courtemanche

SIGNATURE

Steven Courtemanche

DATE

11/24/92

ACTION TAKEN

SIGNATURE

TITLE

DATE

50271-101

U.S. G.P.O. 1983-381-526/8346

CONVERSATION RECORD

OPTIONAL FORM 271 (12-76)
DEPARTMENT OF DEFENSE

OFFICIAL RECORD COPY ML 10

117438

APPENDIX A 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 (NMSE)
WASHINGTON, DC 20545

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
631 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 30333

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION III
MATERIAL LICENSING SECTION
788 RIDGEVIEW ROAD
OLIVER, ILL. 60457

ARIZONA, 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
81 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
1650 MARIA LANE, SUITE 1
WALNUT CREEK, CA 94640

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):

KCE Structural Engineers, PC
1818 Jefferson Place, NW
Washington, DC 20036

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

Storage (when not in use) at 1818 Jefferson Place, NW Washington, DC 20036
Use at temporary jobsites in states subject to NRC's regulatory authority.

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

Allyn E. Kilsheimer, PE

TELEPHONE NUMBER

(202) 833-8622

SUBMIT ITEMS 5 THROUGH 11 ON SEPARATE 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 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: 1-C AMOUNT ENCLOSED \$ 540.00

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, 36, AND 40 AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: IS U.S.C. SECTION 1001, ACT OF JUNE 25, 1949, SO THAT THE MAKING OF 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:

Allyn E. Kilsheimer

TITLE:

President

DATE:

11/17/92

IS VOLUNTARY ECONOMIC DATA

A. ANNUAL RECEIPTS:

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

B. NUMBER OF EMPLOYEES (Full-time or part-time, excluding seasonal contractors):

\$1M - 3M
\$3M - 1M
\$7M - 10M
> \$10M

C. WOULD YOU BE WILLING TO FURNISH COST INFORMATION (Enter number 1-4 on 1-4) 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 information - information furnished to the agency is confidential.)

YES

NO

FOR NRC USE ONLY

TYPE OF FEE:

APP

FEE LOG:

11/16

FEE CATEGORY:

3P

COMMENTS:

APPROVED BY:

11/16/92

AMOUNT RECEIVED:

\$540

CHECK NUMBER:

17263

SE 11 NOV 23 AM 1992

DATE:

11/16/92

PRINT ACT STATEMENT ON THE REVERSE

APPLICATION FOR MATERIAL LICENSE
KCE Structural Engineers, PC
November 17, 1992

5. Radioactive Material

- (1) Gamma-emitting sealed source, cesium-137, and a sealed neutron source, americium-241-beryllium, 40 mci.
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BS - Geology - University of Florida

April 1987 - Present - Employed as concrete and soils inspector/technician by KCE Structural Engineers, PC

July 1986 - April 1987 - Employed by ATEC Associates of Virginia, Inc.

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closet in the construction trailer (also locked). At no time will the device be left unattended or accessible to unauthorized persons.

10. Radiation safety program

- a) Personnel Monitoring Equipment When the device is in use, personnel using the device will be required to wear film badges to ensure that their exposure does not exceed permitted levels. Film badges will be changed every 30 days.
- b) Radiation Detection Instruments Not applicable (see above).
- c) Leak-Testing The device will be leak tested at 6-month intervals with a commercial leak-test kit. The sample taking for the leak-test will be supervised by James C. Johnson (see answer #7).
- d) Maintenance Routine maintenance and cleaning of the device will not involve removing the radioactive source from the device.
- e) Transportation of Device to Field Locations Packaging and transport of the device to and from temporary jobsite locations will be carried out in accordance with applicable DOT regulations.
- f) Operating and Emergency Procedures Written operating and emergency procedures are provided to any personnel who may come in contact with the device. Said procedures include specific procedures for use of personnel monitoring; use of the device; storage of the device; transportation; leak-testing; and emergency procedures.

11. Waste Management

Waste radioactive material will be transferred to the original supplier of the device.

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 03121
STATUS CODE: 3
FEE CATEGORY: -----
EXP. DATE: 0
FEE COMMENTS: -----
DECOM FIN ASSUR REQ: -----

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

APPLICANT/LICENSEE: KCE STRUCTURAL ENGINEERS, PC
RECEIVED DATE: 921118
DOCKET NO: 3C33019
CONTROL NO.: 117438
LICENSE NO.:
ACTION TYPE: NEW LICENSEE

2. FEE ATTACHED

AMOUNT: \$540.00
CHECK NO.: 17263

3. COMMENTS

03207 in
already approved

SIGNED
DATE

Rebecca J. Brown
11/13/92

B. LICENSE FEE MANAGEMENT BRANCH (CHECK WHEN MILESTONE 03 IS ENTERED 1-✓)

1. FEE CATEGORY AND AMOUNT: 31P \$540

2. CORRECT FEE PAID. APPLICATION MAY BE PROCESSED FOR:

AMENDMENT -----
RENEWAL -----
LICENSE -----

3. OTHER -----

SIGNED
DATE

11/30/92