

MATERIALS LICENSE

Amendment No. 02

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, 36, 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.

OFFICIAL RECORD COPY

Licensee

1. Kiewit Construction Company

2. 6797 Dorsey Road
Baltimore, Maryland 21227

In accordance with the letter dated
January 20, 1997,
3. License Number 19-28534-01 is amended in
its entirety to read as follows:

4. Expiration Date July 31, 2000

5. Docket or
Reference No. 030-317386. Byproduct, Source, and/or
Special Nuclear Material:7. Chemical and/or Physical
Form8. Maximum Amount that Licensee
May Possess at Any One Time
Under This LicenseA. Cesium 137
B. Americium 241A. Sealed sources
B. Sealed neutron sourcesA. 100 millicuries
B. 500 millicuries

9. Authorized use

A. and B. For possession and use in Troxler Electronic 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 U.S. Nuclear Regulatory Commission or any Agreement State.

CONDITIONS

10. Licensed material may be used only 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 only be used by, or under the supervision and in the physical presence of individuals who have successfully completed the manufacturer's training program for gauge users, have been instructed in the licensee's routine and emergency operating procedures and who have been designated in writing by the Radiation Safety Officer.
- B. The Radiation Safety Officer for this license is Gerald L. Anderson.
12. A. Sealed sources and detector cells containing licensed material shall be tested for leakage and/or contamination at intervals not to exceed six months or at such other intervals as are specified by the certificate of registration referred to in 10 CFR 32.210, not to exceed three 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 three months.



**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

19-28534-01

Docket or Reference Number

030-31738

Amendment No. 02

- C. In the absence of a certificate from a transferor indicating that a leak 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 radioactive 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. 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 or detector cell shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations. The report shall be filed within five 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 or detector cell involved, the test results, and corrective action taken.
- G. The licensee is authorized to collect leak test samples for analysis by Troxler Electronics Laboratories. 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.
13. Sealed sources or detector cells containing licensed material shall not be opened or sources removed from source holders by the licensee.
14. The licensee shall conduct a physical inventory every six months to account for all sealed sources and devices containing licensed material received and possessed under the license.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License Number

19-28534-01

Docket or Reference Number

030-31738

Amendment No. 02

15. The licensee shall not acquire licensed material in a sealed source or device unless the source or device has been registered with the U.S. Nuclear Regulatory Commission pursuant to 10 CFR 32.210 or equivalent regulations of an Agreement State.
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 must be locked when in transport, storage or when not under the direct surveillance of an authorized user.
17. Any cleaning, maintenance, or repair of the gauge(s) that requires removal of the source rod shall be performed only by the manufacturer or by other persons specifically licensed by the Commission or an Agreement State to perform such services.
18. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
19. 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 May 14, 1990
 - B. Letter dated January 25, 1993
 - C. Letter dated February 1, 1993
 - D. Letter dated May 12, 1993
 - E. Letter dated May 26, 1993
 - F. Letter dated June 14, 1993
 - G. Application dated June 27, 1995
 - H. Letter dated March 11, 1996
 - I. Letter dated January 20, 1997

MAR - 5 1997

Date _____

For the U.S. Nuclear Regulatory Commission

Original Signed by:

Duncan White

By

Division of Nuclear Materials Safety
Region I

King of Prussia, Pennsylvania 19406

MAR - 5 1997

Gerald L. Anderson
District Safety Supervisor
Kiewit Construction Company
6797 Dorsey Road
Baltimore, Maryland 21227

Dear Mr. Anderson:

This refers to your license amendment request. Enclosed with this letter is the amended license. Please note that as part of this amendment, in accordance with 10 CFR 30.36, effective February 15, 1996, the expiration date of your license has been extended by a period of five years. Your new expiration date is stated in Item 4 of the license.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5093 or 5239, so that we can provide appropriate corrections and answers.

Thank you for your cooperation.

Sincerely,

Original Signed by:
Duncan White

Duncan White
Division of Nuclear Materials Safety

License No. 19-28534-01
Docket No. 030-31738
Control No. 124147

Enclosure:
Amendment No. 02

OFFICIAL RECORD COPY

ML 10

DOCUMENT NAME: R:\WPS\MLTR\L1928534.01

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	<input checked="" type="checkbox"/> N	DNMS/RI	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NAME	DWhite						
DATE	02/06/97	02/ /97	02/ /97	02/ /97	02/ /97	02/ /97	02/ /97

OFFICIAL RECORD COPY

KIEWIT CONSTRUCTION COMPANY

A Kiewit Company

Address Reply to:
6797 Dorsey Road
Baltimore, Maryland 21227
(410) 796-8311
Fax (410) 796-2039

MAIN OFFICE:
1000 Kiewit Plaza
Omaha, Nebraska 68131

February 17, 1997

Nuclear Regulatory Commission
Region One
475 Glendale Road
King of Prussia, PA 19406-1415

License No. 19-28534-01
Docket No. 030-31738

Dear Mr. Kirkwood:

1. Kiewit Construction Company had planned to vacate its storage site at Petersburg, WV on or about January 24, 1997, this will not take place now until on or about June 30, 1997. The instrument will be transported to our licensed storage site at Aberdeen, MD. We are licensed in the State of Maryland in accordance with Maryland Radioactive Material License Number MD-27-051-01.
2. Bartlett F. Miller replaced Douglas E. Patterson as District Manager.
3. Gerald L. Anderson replaced Glenn C. Christensen as Radiation Safety Officer. Mr. Anderson has had the following training (copies of certificates attached):

May 3, 1995 Troxler training course for the Use of Nuclear Testing Equipment.
September 14, 1995 Troxler Radiation Safety Officer Course
4. Timothy Atey, Kenneth Christensen, Mark Harrison, Gerald Anderson, Colleen Brooks, Bradley Rexford, and Thomas Huber are authorized users of the licensed material (copies of certificates attached).
5. Otherwise the organization, location, facilities, equipment and personnel remain the same.
6. Kiewit agrees to abide by all commitments and representations previously made to NRC.

Very truly yours,

KIEWIT CONSTRUCTION COMPANY



Gerald L. Anderson
Radiation Safety Officer

OFFICIAL RECORD COPY

ML 10

124147

cc: Job File/District Office ~~Kiewit Construction Company~~ is an Equal Opportunity Employer (EOE)

FEB 20 1997

Certificate of Completion

This Certifies that

GERALD ANDERSON

has successfully completed the

Troxler Radiation Safety Officer Course

conducted by the training program of

Troxler Electronic Laboratories, Inc.

Stewart Spraggins
STEWART SPRAGGINS

Instructor

9/14/95

Date

WILLIAM F. TROXLER

President

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

GERALD L. ANDERSON

of

KIEWIT CONSTRUCTION CO.

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

- | | |
|--|---|
| 1. Principles and practices of radiation protection. | 5. Radioactivity measurement standardization and monitoring techniques and instruments. |
| 2. Leak testing procedures. | 6. Accident and incident procedures. |
| 3. Mathematics and calculations basic to the use and measurement of radioactivity. | 7. Procedures for nuclear gauge storage and transportation. |
| 4. Biological effects of radiation. | 8. General safety precautions. |

Gauge Operation

- | | |
|-------------------------|----------------------|
| 1. Instrument theory | 4. Field application |
| 2. Operating procedures | 5. Gauge calibration |
| 3. Maintenance | |

Harvey Dunlevy
HARVEY DUNLEVY
INSTRUCTOR

CERTIFICATE #: C68482

5/03/95
DATE

WILLIAM F. TRUXLER
PRESIDENT

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

TIMOTHY B. ATLY

of

GILBERT SOUTHERN CORP.

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

1. Principles and practices of radiation protection.
2. Leak testing procedures.
3. Mathematics and calculations basic to the use and measurement of radioactivity.
4. Biological effects of radiation.
5. Radioactivity measurement standardization and monitoring techniques and instruments.
6. Accident and incident procedures.
7. Procedures for nuclear gauge storage and transportation.
8. General safety precautions.

Gauge Operation

1. Instrument theory
2. Operating procedures

4. Field application
5. Gauge calibration

Frank D. Jones
FRANK D. JONES

INSTRUCTOR

6-6-96

DATE

WILLIAM F. TROXLER

PRESIDENT

No 35539

THIS IS TO CERTIFY THAT

KENNETH P. CHRISTENSEN

HAS COMPLETED
MORRISON-KNUDSEN'S

NUCLEAR DENSITY GAUGE SAFETY COURSE

Conducted By The

Department of Safety
and Environmental Services

At #2909 -- IUKA, MS On JUNE 15-16, 1983

Bruce A. Peterson

CORPORATE RADIATION PROTECTION OFFICER

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

MARK HARRISON

of

RIVER VALLEY TESTING

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

1. Principles and practices of radiation protection.
2. Leak testing procedures.
3. Mathematics and calculations basic to the use and measurement of radioactivity.
4. Biological effects of radiation.
5. Radioactivity measurement standardization and monitoring techniques and instruments.
6. Accident and incident procedures.
7. Procedures for nuclear gauge storage and transportation.
8. General safety precautions.

Gauge Operation

1. Instrument theory.
2. Operating procedures.
3. Maintenance.
4. Field application.
5. Gauge calibration.

Stewart Spraggins
STEWART SPRAGGINS
INSTRUCTOR

CERTIFICATE #: 58948

6/10/93
DATE

WILLIAM F. TROXLER
PRESIDENT

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

COLLEEN M. BROOKS

of

KIEWIT CONSTRUCTION

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

1. Principles and practices of radiation protection.
2. Leak testing procedures.
3. Mathematics and calculations basic to the use and measurement of radioactivity.
4. Biological effects of radiation.
5. Radioactivity measurement standardization and monitoring techniques and instruments.
6. Accident and incident procedures.
7. Procedures for nuclear gauge storage and transportation.
8. General safety precautions.

1. Instrument theory
2. Operating procedures
3. Maintenance

Gauge Operation

4. Field application
5. Gauge calibration

Harvey Dunlevy
HARVEY DUNLEVY
INSTRUCTOR

CERTIFICATE #: 074504

8/15/96
DATE

WILLIAM F. TROXLER
PRESIDENT

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

BRADLEY A. REXFORD

of

KIEWIT CONSTRUCTION

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

1. Principles and practices of radiation protection.
2. Leak testing procedures.
3. Mathematics and calculations basic to the use and measurement of radioactivity.
4. Biological effects of radiation.
5. Radioactivity measurement standardization and monitoring techniques and instruments.
6. Accident and incident procedures.
7. Procedures for nuclear gauge storage and transportation.
8. General safety precautions.

Gauge Operation

1. Instrument theory
2. Operating procedures
3. Maintenance
4. Field application
5. Gauge calibration

CERTIFICATE #: 074506

8/15/96
DATE

WILLIAM F. TROXLER
PRESIDENT

INSTRUCTOR

Harvey Dunlevy
HARVEY DUNLEVY

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

THOMAS R. HUBER

of

KIEWIT CONSTRUCTION

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

1. Principles and practices of radiation protection.
2. Leak testing procedures.
3. Mathematics and calculations basic to the use and measurement of radioactivity.
4. Biological effects of radiation.
5. Radioactivity measurement standardization and monitoring techniques and instruments.
6. Accident and incident procedures.
7. Procedures for nuclear gauge storage and transportation.
8. General safety precautions.

Gauge Operation

1. Instrument theory
2. Operating procedures
3. Maintenance
4. Field application
5. Gauge calibration

CERTIFICATE #: 074505

8/15/96

DATE

WILLIAM F. TROXLER

PRESIDENT

INSTRUCTOR

HARVEY DUNLEVY

KIEWIT CONSTRUCTION COMPANY

A Kiewit Company

Address Reply to:
6797 Dorsey Road
Baltimore, Maryland 21227
(410) 796-8311
Fax (410) 796-2039

MAIN OFFICE:
1000 Kiewit Plaza
Omaha, Nebraska 68131

January 20, 1997

030-31738

Nuclear Regulatory Commission
Region One
475 Glendale Road
King of Prussia, PA 19406-1415

License No. 19-28534-01
Docket No 030-31738

Dear Mr. Kirkwood:

Kiewit Construction Company will vacate its storage site at Petersburg, WV on or about January 24, 1997. The instrument will be transported to our licensed storage site at Aberdeen, MD. We are licensed to store material in the State of Maryland in accordance with Maryland Radioactive Material License Number MD-27-051-01.

Otherwise the organization, location, facilities, equipment and personnel remain the same.

Kiewit agrees to abide by all commitments and representations previously made to the NRC.

Very truly yours,

KIEWIT CONSTRUCTION COMPANY



Gerald L. Anderson
District Safety Supervisor

cc: Job File
District File

OFFICIAL RECORD COPY

ML 10

124147

JAN 23 1997

KIEWIT CONSTRUCTION COMPANY

A Kiewit Company

Address Reply to:
6797 Dorsey Road
Baltimore, Maryland 21227
(410) 796-8311
Fax (410) 796-2039

MAIN OFFICE:
1000 Kiewit Plaza
Omaha, Nebraska 68131

March 27, 1996

Nuclear Regulatory Commission
Region One
475 Glendale Road
King of Prussia, PA 19406-1415

Attn: Mr. Kirkwood

Re: License Number 19-28534-01
Docket Number 030-31738


Dear Mr. Kirkwood:

This letter is to update the information provided to you previously concerning the Kiewit Construction Company License.

1. Dave Flickinger and Dave Johnson are authorized users of the licensed material (copies of certificates attached).
2. Add Petersburg, WV as a jobsite storage location for the duration of the project, approximately one (1) year. We are licensed to store material in the State of Maryland in accordance with Maryland Radioactive Material License Number MD-27-051-01.
3. Otherwise the organization, location, facilities, equipment and personnel remain the same.
4. Kiewit agrees to abide by all commitments and representations previously made to NRC.

Very truly yours,

KIEWIT CONSTRUCTION COMPANY


Gerald L. Anderson
Radiation Safety Officer

cc: Dave Flickinger
District Office

MAP =
BLOW-UP OF STORAGE
YARD

- SITE PREPARATION:
- 1 REMOVE TOP 6" OF TOPSOIL
 - 2 LAY GEOTEXTILE
 - 3 5" FILL OF #2 (3" MINUS) STONE
 - 4 2" FILL OF CRUSHER RUN
 - 5 COMPACT

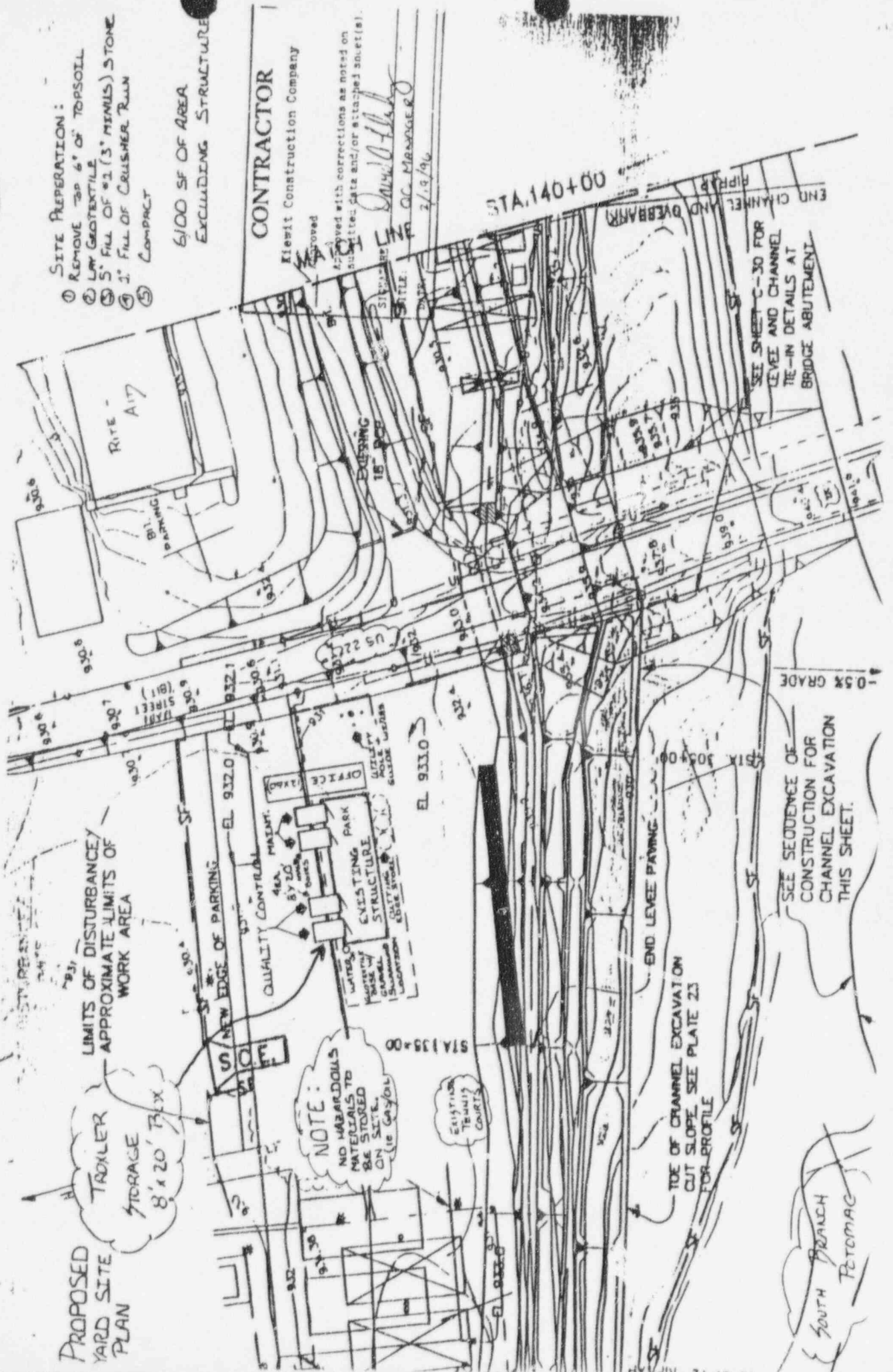
6100 SF OF AREA
EXCLUDING STRUCTURE

CONTRACTOR

Kiewit Construction Company

Approved with corrections as noted on submitted data and/or attached sheet(s).

DATE: 2/19/96
BY: J.C. MARRAS

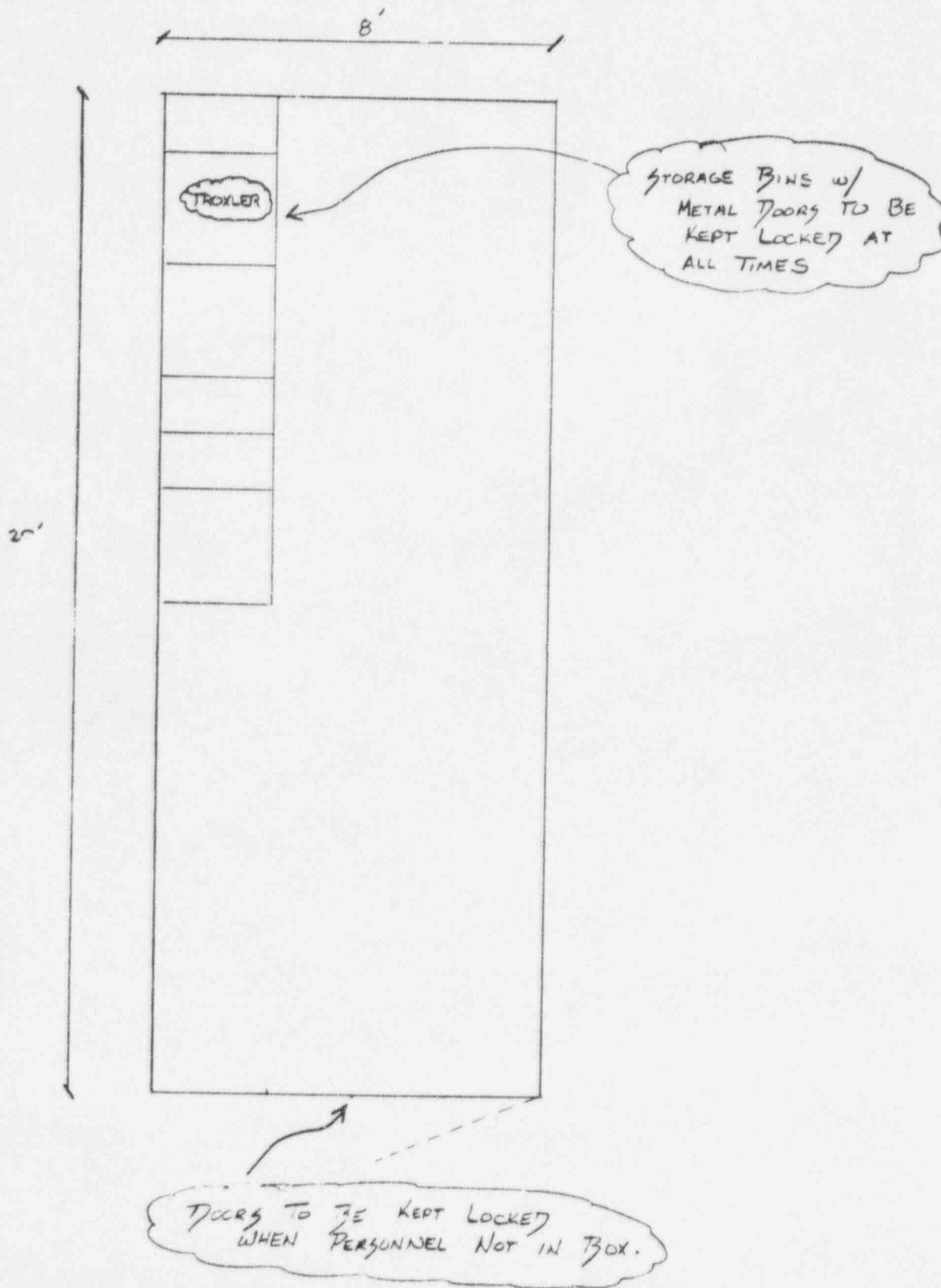


SEE SEQUENCE OF
CONSTRUCTION FOR
CHANNEL EXCAVATION
THIS SHEET.

SEE SHEET C-30 FOR
LEVEL AND CHANNEL
TIE-IN DETAILS AT
BRIDGE ABUTMENT.

SOUTH BRANCH
PETOMAC

WORK SHEET

Project PETERSBURG
Type of WorkEstimator DAVE
DateItem No.
Sheet No.PLAN VIEW OF STORAGE BOX

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

DAVID A. FLICKINGER

of

KIEWIT CONSTRUCTION CO.

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

1. Principles and practices of radiation protection.
2. Leak testing procedures.
3. Mathematics and calculations basic to the use and measurement of radioactivity.
4. Biological effects of radiation.
5. Radioactivity measurement standardization and monitoring techniques and instruments.
6. Accident and incident procedures.
7. Procedures for nuclear gauge storage and transportation.
8. General safety precautions.

Gauge Operation

1. Instrument theory
2. Operating procedures
3. Maintenance
4. Field application
5. Gauge calibration

CERTIFICATE #: 072037

3/05/96
DATE

WILLIAM F. TROXLER
PRESIDENT

Frank D. Jones
FRANK D. JONES
INSTRUCTOR

THIS DOCUMENT MAY BE USED TO VERIFY TRAINING REQUIRED BY 49CFR172, SUBPART H.

DAVID A. FLICKINGER
NAME

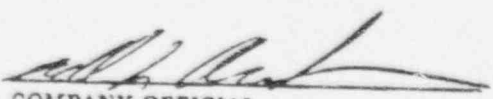
3/03/96
TRAINING DATE

Training materials used are part of the Troxler Electronic Laboratories, Inc. Nuclear Gauge Safety Training Program. Topics covered apply to recognition, labeling, preparation for transport, transportation, regulatory compliance, emergency response, personal protection, and accident avoidance only as they apply to radioactive White I and Yellow II portable gauging devices.

TROXLER ELECTRONIC LABORATORIES, INC.
3008 CORNWALLIS ROAD
P.O. BOX 12057
RESEARCH TRIANGLE PARK, NC 27709

FRANK D. JONES
INSTRUCTOR

I hereby certify that the above named employee has been properly trained and tested in accordance with the requirements of 49CFR172, subpart H.


COMPANY OFFICIAL

Kiewit Construction Company
6797 Dorsey Rd
Baltimore MD 21227
COMPANY AND ADDRESS

3/03/98
EXPIRATION DATE

 **TROXLER**

03/30/98

08:02

01
712629

0003

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

DAVID B. JOHNSON
of

KIEWIT CONSTRUCTION CO.

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

- | | |
|--|---|
| 1. Principles and practices of radiation protection. | 5. Radioactivity measurement standardization and monitoring techniques and instruments. |
| 2. Leak testing procedures. | 6. Accident and incident procedures. |
| 3. Mathematics and calculations basic to the use and measurement of radioactivity. | 7. Procedures for nuclear gauge storage and transportation. |
| 4. Biological effects of radiation. | 8. General safety precautions. |

Gauge Operation

- | | |
|-------------------------|----------------------|
| 1. Instrument theory | 4. Field application |
| 2. Operating procedures | 5. Gauge calibration |
| 3. Maintenance | |

CERTIFICATE #: 072038

Frank D. Jones
FRANK D. JONES
INSTRUCTOR

3/05/96
DATE

WILLIAM F. TROXLER
PRESIDENT

THIS DOCUMENT MAY BE USED TO VERIFY TRAINING REQUIRED BY 49CFR172, SUBPART H.

DAVID E. JOHNSON

NAME

3/05/96

TRAINING DATE

Training materials used are part of the Troxler Electronic Laboratories, Inc. Nuclear Gauge Safety Training Program. Topics covered apply to recognition, labeling, preparation for transport, transportation, regulatory compliance, emergency response, personal protection, and accident avoidance only as they apply to radioactive White I and Yellow II portable gauging devices.

TROXLER ELECTRONIC LABORATORIES, INC.
3008 CORNWALLIS ROAD
P.O. BOX 12057
RESEARCH TRIANGLE PARK, NC 27709

FRANK D. JONES
INSTRUCTOR

I hereby certify that the above named employee has been properly trained and tested in accordance with the requirements of 49CFR172, subpart H.

[Signature]

COMPANY OFFICIAL

Kiewit Construction Company
6797 Dorsey Rd
Baltimore, MD 21227
COMPANY AND ADDRESS

3/05/98
EXPIRATION DATE

 **TROXLER**

KIEWIT CONSTRUCTION COMPANY

A Kiewit Company

Address Reply to:
6797 Dorsey Road
Baltimore, Maryland 21227
(410) 796-8311
Fax (410) 796-2039

MAIN OFFICE:
1000 Kiewit Plaza
Omaha, Nebraska 68131

MS-16
P3

March 11, 1996

Licensing Assistant Section
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406-1415

ATTN: Kathleen Dolce
Division of Nuclear Materials Safety

RE: License No. 19-28534-01
Docket No. 030-31738
Control No. ~~121989~~

Dear Ms. Dolce:

In reference to your February 13, 1996 letter the following is the information you requested concerning our License No. 19-28534-01.

1. Kiewit Construction Company will confine our possession of licensed material to quantities such that we will not exceed the applicable limits in 10 CFR 30.35(d).
2. The sealed source will not be lowered into the ground more than the 1 - 3 feet common for most surface measurements.
3. Kiewit Construction Company's Radiation Safety Officer will be Gerald L. Anderson. Mr. Anderson has had the following training:

May 3, 1995 Troxler training course for The Use of Nuclear Testing Equipment.
September 14, 1995 Troxler Radiation Safety Officer Course

Items 4 - 7 see the attached documents.

8. When the gauges are being used on a temporary job site, they will be stored in a Conex Box with a lock and the Troxler case will be locked. The job sites are located a considerable distance from the permanent storage facility and it would not be feasible to return the gauge to the permanent storage facility every night. (See Item 7)

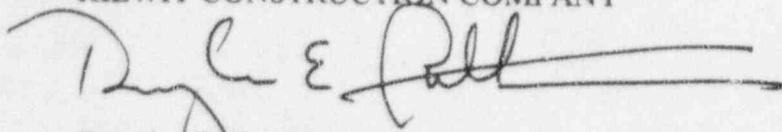
MAR 13 1996

Items 9 -15 see the attached documents.

If you need any additional information please contact us.

Sincerely,

KIEWIT CONSTRUCTION COMPANY

A handwritten signature in black ink, appearing to read "Douglas E. Patterson", with a long horizontal line extending to the right.

Douglas E. Patterson
District Manager

cc: file

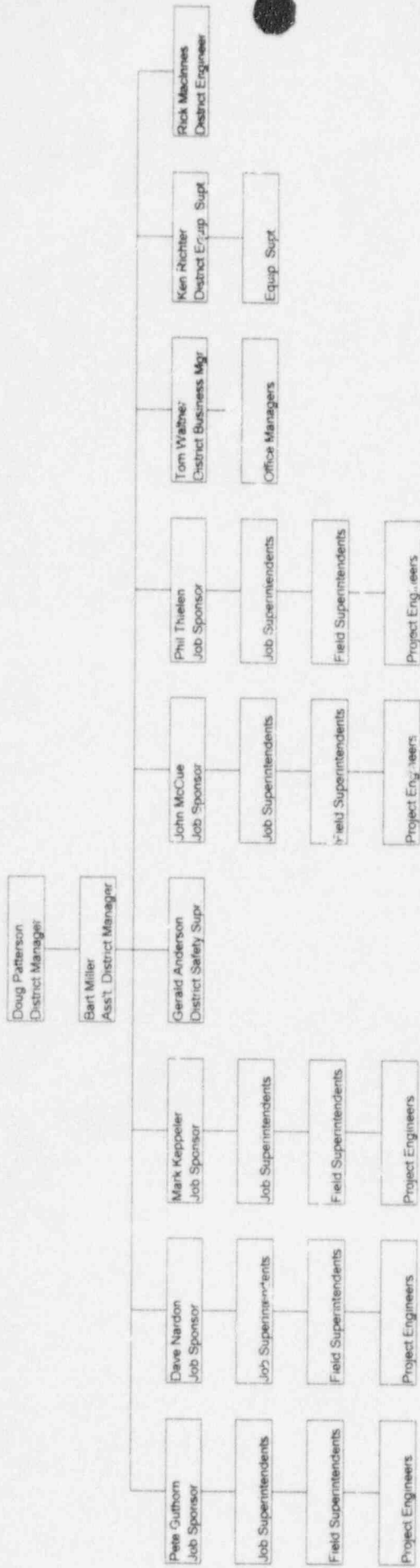
4. PROGRAM SUPERVISION

- A. Radioactive material shall be used by, or under the supervision and in the physical presence of those currently listed in Section 11.B. on License MD-03-023-01 and its supplements.
- B. Gerald Anderson the Radiation Safety Officer (RSO) is responsible for implementing the radiation safety program and ensuring that radiation safety activities are performed in accordance with approved procedures and regulatory requirements. The RSO's duties and responsibilities include:
1. Ensure that licensed material possessed by the licensee is limited to the kinds (e.g., cesium-137 as a sealed source) and quantities of byproduct material listed on the license.
 2. Ensure that individuals using gauges are properly trained; are designated by the RSO; receive refresher training at least annually, including participation in a "dry run" of emergency procedures and review of operating and emergency procedures and Department of Transportation (DOT) requirements; and are informed of all changes in regulatory requirements and deficiencies identified during annual audits.
 3. Ensure that personnel monitoring devices are used as required and reports of personnel exposure are reviewed in a timely manner.

4. Ensure that gauges are properly secured against unauthorized removal at all times when gauges are not in use.
5. Ensure that proper authorities are notified in case of accident, damage to gauges, fire or theft.
6. Ensure that audits are performed at least annually to ensure that (a) the licensee is abiding by NRC and DOT regulations and the terms and conditions of the license (e.g., periodic leak tests, inventories, use limited to trained, approved users), (b) the licensee's radiation protection program content and implementation achieve occupational doses and doses to members of the public that are ALARA (see 10 CFR 20.1101), and (c) the licensee maintains required records with all required information (e.g., records of personnel exposure; receipt, transfer, and disposal of licensed material; gauge user training) sufficient to comply with NRC requirements.
7. Ensure that results of audits, identification of deficiencies, and recommendations for change are documented (and maintained for at least 3 years) and provided to management for review; ensure that prompt action is taken to correct deficiencies.

8. Ensure that audit results and corrective actions are communicated to all personnel who use licensed material (regardless of their location or the license under which they normally work).
9. Ensure that all incidents, accidents, and personnel exposure to radiation in excess of ALARA or Part 20 limits are investigated and reported to NRC and other authorities, as appropriate, within the required time limits.
10. Ensure that licensed material is transported in accordance with all applicable DOT requirements.
11. Ensure that licensed material is disposed of properly.
12. Ensure that he or she has up-to-date copies of NRC's regulations, reviews new or amended NRC regulations, and revises licensee procedures, as needed, to comply with NRC regulations.
13. Ensure that the license is amended whenever there are changes in licensee activities, responsible individuals, or information or commitments provided to NRC in the licensing process.

ORGANIZATION CHART KIEWIT COMPANIES - EASTERN DISTRICT



Certificate of Completion

This Certifies that

GERALD ANDERSON

has successfully completed the

Troxler Radiation Safety Officer Course

conducted by the training program of

Troxler Electronic Laboratories, Inc.

Stewart Spraggins
STEWART SPRAGGINS

Instructor

9/14/95

Date

WILLIAM F. TROXLER

President

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

GERALD L. ANDERSON
of

KIEWIT CONSTRUCTION CO.

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

- | | |
|--|---|
| 1. Principles and practices of radiation protection. | 5. Radioactivity measurement standardization and monitoring techniques and instruments. |
| 2. Leak testing procedures. | 6. Accident and incident procedures. |
| 3. Mathematics and calculations basic to the use and measurement of radioactivity. | 7. Procedures for nuclear gauge storage and transportation. |
| 4. Biological effects of radiation. | 8. General safety precautions. |

Gauge Operation

- | | |
|-------------------------|----------------------|
| 1. Instrument theory | 4. Field application |
| 2. Operating procedures | 5. Gauge calibration |
| 3. Maintenance | |

Harvey Dunlevy
HARVEY DUNLEVY
INSTRUCTOR

CERTIFICATE # C68482

5/03/95
DATE

WILLIAM F. TROXLER
PRESIDENT

1. **RECEIVING THE INSTRUMENT AT THE JOBSITE**

- A. **Signing of Transfer Records.** When the instrument is delivered to the jobsite, it is necessary to acknowledge receipt of the instrument on the Shipping Document/Bill of Lading.

- B. **Reading of Manual by User(s).** The instrument shall be placed in storage until the User(s) has read this Kiewit Companies - Radiation Safety Manual, and it is assured that proper procedures are understood and being followed. References listed in this manual are to the Maryland State Department of Health & Mental Hygiene Regulations for Control of Ionizing Radiation. This is the same as the State of Maryland Department of the Environment Regulation which is now available. (COMAR 26.12.01.01).

- C. **Posting of "Notice to Employees".** (Reference: Section J.11)
 - (1) Post the "Notice to Employees" immediately. See Appendix for this form.

 - (2) Post "Kiewit Companies Notice of Documentation" adjacent to "Notice to Employees". Also, see Appendix.

 - (3) Post any notice of violation, etc. per Section J.11(a)(4).

2. STANDARD OPERATING AND EMERGENCY PROCEDURES

A. Operating Procedures

1. Before removing the gauge from its place of storage, check to make sure that the gauge source rod is in the shielded, locked position, then lock the transport case if possible.
2. Sign the gauge out, stating the dates of use, names of the authorized users who will be responsible for the gauge, and the temporary location where the gauge will be used.
3. Never leave the gauge unattended while in your custody.
4. Follow all applicable Department of Transportation (DOT) requirements when transporting the gauge.
5. Do not touch the source rod with your fingers, hands, or any part of your body, and always make sure the source rod is in the shielded position after each measurement is made.
6. Always wear your assigned film badge when using the gauge.
7. Never wear another person's film badge.
8. Never store your film badge near the gauge.
9. Always keep unauthorized persons away from the area where the gauge is to be used.
10. Always maintain constant surveillance and immediate control of the gauge when it is not in storage.

11. To make gauges more visible to operators of heavy equipment at construction sites, always "stake and flag" each gauge, being sure that the flags are tall enough to be seen by heavy equipment operators. A fiberglass whip with a flag at the top (available as a bicycle accessory) can be attached to the gauge to make its location more obvious to heavy equipment operators.
12. Never look under the gauge when the source rod is being lowered into the ground.
13. After each measurement, always return the source to the shielded position and lock it there.
14. When the gauge is not in use at a temporary jobsite, place the gauge in a secured storage location (e.g., locked in a Conex Box).
15. Return the gauge to its proper storage location at the end of the work shift.
16. When the gauge is returned to storage so indicate in the source log.
17. Copies of all documentation, including shipping transfer records, shall be kept at the jobsite in the file case established for that purpose. Copies of all documentation shall also be sent to the attention of Gerald Anderson at the District Office in Baltimore. Two complete files shall be kept at all times.

18. Also see Section 11 - Record Keeping.

19. **Contacts for Questions Concerning Radiation Safety, Transfer
of Equipment, etc.**

- a. Gerald Anderson
(410) 796-8311
- b. U. S. Nuclear Regulatory Commission, Region 1
(215) 337-5000
- c. State of Maryland, Department of the Environment
Carl Trump, Nathaniel Owrutsky (410) 631-3300

6. TRAINING

A. Training will be provided to all gauge users, once a year. The training will include:

1. "Dry Runs" of emergency procedures.
2. Review of operating procedures.
3. Review of DOT requirements.
4. Changes in applicable regulations and license conditions.
5. Review of deficiencies identified during the performance of the annual audits.

Records will be maintain of the annual training inculding the date of the training, identification of the instructor, list of attendees, and topices covered. The records will be kept for at least three years.

7. **PROPER STORAGE OF THE INSTRUMENT**

A. Temporary Job Site Locked Storage Location (Reference, Section D.206)

- (1) The instrument shall be stored at its designated storage location at the end of shift. This location will be at least 25 feet from the nearest work station. The gauge box will be locked and stored inside an other locked area. The area will be posted in accordance with the requirements of 10 CFR 20.1903.
- (2) Do not store the instrument in a field location.
- (3) The instrument is to stay in the possession of, or used under the direction of a licensee.
- (4) When not in use, the instrument will be either locked in transportation (company vehicle) or locked back in the designated job site storage location.

B. Vacating Storage Location (Reference, Section D407)

- (1) At least 30 days prior to vacating a premises where the instrument has been used or stored, it is necessary to notify the Maryland Radiological Health Program in writing.

- (2) Check with the MRHP to see if there are any requirements prior to vacating the site.

C. **Radiation Safety Manual**

- (1) This manual shall be kept with the instrument at all times.
- (2) Copies of this manual and its updates shall also be available at the jobsite and the Kiewit Companies office at 6797 Dorsey Road, Baltimore.

D. **Permanent Storage Location**

- (1) 999 Old Philadelphia Road
Aberdeen, MD 21001
(410) 575-6509
- (2) Instrument will be stored at above address when not being used or stored at a designated construction site.

9. **INSTRUMENT TRANSFERS**

A. **Initiating Transfers**

A copy of this manual should be sent to the new site approximately one week prior to the transfer.

- (1) Transfer of the instrument within a state must be accompanied by a Bill of Lading. It may be transported by company vehicle or by a carrier per Section C.103. See Appendix for Bill of Lading forms.
- (2) Transfer of the instrument across state lines requires advanced planning. At least 3 days prior to the date we intend to transport the instrument across state lines, notify the NRC and State of Maryland of our intent so that we can make sure we do not violate any requirements. A Bill of Lading is also required.

B. **Transfer Records**

Copies of all Bills of Lading shall be kept in the jobsite file. Duplicate copies shall be sent to the attention of Bruce Miller at the District Office in Baltimore.

C. **Transportation Methods (Section C.100)**

(1) **Transport of the Instrument by Company Vehicle**

The gauge will be transported in the Troxler transportation case. The U. S. Department of Transportation requires that the gauge be transported in a properly labeled carrying case. The instrument shall be locked and secured in the transporting vehicle away from the passenger compartment. If transported by car it will be locked in the trunk, if by pickup truck a chain with a lock will be used to secure the gauge while in the open bed.

- (2) The instrument may also be delivered to a carrier for transport in accordance with Section C.103. As above, it shall be transported in its properly labeled Troxler transportation case.

10. **FILM BADGES (Reference, Part D)**

A. Proper use of film badges by users of the instrument.

(1) Ensure that all users wear film badges and take care of the badges. This includes:

- a. **Not** washing the badges.
- b. **Not** keeping the badges in the car because heat will destroy them.
- c. **Not** wearing the badges during a medical exam.
- d. **Not** storing the badges in the case with the Troxler instrument. Store the badges as well as the test results in the job site file.

B. Records of radiation exposure shall be kept for periods of time not exceeding 1 month. (Section D.401).

(1) To meet this requirement, we utilize the following service:

Landauer
Tech/Ops Landauer, Inc.
2 Science Road
Glenwood, Illinois 60425-1586
(708) 755-7000

The person responsible for use of the Troxler at the jobsite shall return the film badges to Landauer at the end of each 1 month period.

- (2) Reports from Landauer will be kept in the jobsite file and a copy shall be sent to the attention of Gerald Anderson at the District Office in Baltimore.
- (3) Reports of "Incidents" or "Overexposure" shall be made in accordance with Sections D.403 thru D.409.

11. Emergency Procedures

1. In case of accident involving damage or loss of the gauges, the following steps are to be followed:

- a. Assume the worst, that is, the sealed source has been damaged.

Contact:

Radiation Service Organization (RSO, Inc.), Emergency Response Program at 301-953-4997.

Stand by the phone to receive calls from the RSO Emergency Coordinator. (See the following Appendix E, From RSO, Inc.)

- b. RSO, Inc. will respond with the appropriate survey meters to do a timely evaluation of the source integrity following an incident at any job site.
 - c. Stop all equipment involved. Detain the equipment until it is determined there is no contamination present.
 - d. Immediately secure the area around the gauge. Prevent unauthorized personnel from entering the secured area.
 - e. RSO, Inc. will inspect the device and ascertain the extent of damage.
 - f. Immediately cover the guage with polyethylene to prevent wind transportation of any radioactive material, until RSO, Inc. arrives at the job site to survey the damage.

g. Notify the following:

1. Company Personnel

Name	Work Phone Number	Home Phone Number
Gerald Anderson	410-796-8311	410-997-4864
Rick MacInnes	410-796-8311	410-799-7068
Glenn Christensen	410-796-8311	301-438-2269

2. (If outside the State of Maryland)
U.S. Nuclear Regulatory Commission
Region 1
(215) 337-5000

NRC's Emergency Operations Center
(301)816-5100

3. State of Maryland
Department of the Environment
Center for Radiological Health
(410) 631-3300
Nights, Weekends and Holidays (410)243-8700

12. LEAK TESTS

- A. To ensure that we meet the license requirements for leak tests, we will perform these tests at intervals not to exceed six months.
- B. **Leak Test Procedure** - The Radiation Safety Officer or a properly trained job site gauge operator may take the test samples using the Troxler Model 3880 Leak Test Kit. When performing a leak test wear the personnel monitoring equipment (Film Badge).

Follow the procedures defined in the leak test kit instructions.

Leak test kits shall be kept in the jobsite file.

- C. The leak test kit is available from:

Troxler Electronic Laboratories, Inc.
P. O. Box 12057
3008 Cornwallis Rd.
Research Triangle Park, NC 27709
(919) 549-8661

Troxler Electronic Laboratories, Inc.
7466 New Ridge Road
Hanover, MD 21076
(301) 850-5156

13. and 15. **AUDIT/INVENTORY BY KIEWIT COMPANIES**

- A. An audit/inventory of our procedures, documentation and guage locations will be performed by the District Engineer, District Safety Supervisor and/or the Radiations Safety Officer at least twice each year. The records of the audit/inventory will maintained for at least 3 years.
- B. A reminder to perform the audit will be kept on the calendar of events. (See Appendix).
- C. Program Checklist.

AUDIT/INVENTORY OF RADIATION SAFETY PROGRAM

The District Engineer, District Safety Supervisor and/or Radiation Safety Officer shall perform an audit of our **Radiation Safety Program** at least twice each year. This includes both jobsite and District Office files. A report of the findings of this audit will be filed at both the jobsite and District Office, and any corrective actions will be discussed and noted.

District Engineer - Rick MacInnes

District Safety Supervisor - Gerald Anderson

Radiation Safety Officer - Gerald Anderson

Audit Schedule - Will be completed in May and November of each year.

KIEWIT COMPANIES RADIATION SAFETY PROGRAM AUDIT AND INVENTORY

DATE: _____

COMPLETED BY: _____

1. Is the "Notice to Workers" posted at the jobsite? Is the "Kiewit Companies Notice of Documentation" posted at the jobsite?
2. Are the Troxler and its' carrying case in good condition?
3. Is the "Kiewit Companies Radiation Safety Manual" being kept with the Troxler as well as in the jobsite and District Office files?
4. Are film badges and leak test kits available and being used properly?
Are leak tests being done per our schedule?
5. Are records being kept correctly and up to date at the jobsite and the District Office?
 - A. Transfer records
 - B. Film badge records
 - C. Leak test records

6. Do we need to apply for amendment of our license for any future needs?
7. Do we need to have additional personnel trained in the use of the Troxler?
8. Will we be vacating any of the premises where we have possessed or used the Troxler? If so, it will be necessary to make notification per Section D. 407 at least 30 days prior to vacating.
9. Have the results of this audit been discussed with the users?

10. Inventory of gauges:

MAKE	MODEL	SERIAL #	SOURCE	LOCATION

14. MAINTENANCE

- A. Periodic maintenance includes cleaning the nuclear gauge. During any maintenance, wear your personnel monitoring equipment (Film Badge).
- B. Any maintenance performed (such as cleaning) will always be done with the radioactive source in the "safe" shielded position.
- C. Do not perform any maintenance that requires the removal of the radioactive source from the "safe" shielded position. For this type of maintenance, ship the nuclear gauge to Troxler.

FEB 13 1996

License No. 19-28534-01
Docket No. 030-31738
Control No. 121989

Douglas E. Patterson
District Manager
Kiewit Construction Company
6797 Dorsey Road
Baltimore, Maryland 21227

Dear Mr. Patterson:

This is in reference to your application dated June 27, 1995 requesting renewal of License No. 19-28534-01. Draft Regulatory Guide DG-0008 entitled *Applications For the Use of Sealed Sources in Portable Gauging Devices* is enclosed to help you in your response to this letter. In order to continue our review, we need the following additional information:

1. Provide your commitment to limit the number of source-device combinations such that you do not exceed the quantities of byproduct material that would require financial assurance for decommissioning. These limits are defined in 10 CFR 30.35(d) and discussed in Item 10.9 of the enclosed Draft Regulatory Guide DG-0008. With this commitment, you do not need to specify, in advance, a particular number of identical source-device combinations that you may wish to possess.
2. Specify whether the sealed source will be lowered into the ground more than the 1-3 feet common for most surface measurements. If the sealed source is to be lowered into the ground more than 3 feet, then you also need to have (1) special procedures to minimize the possibility of the source being stuck or lost "down hole" due to collapse of dirt or concrete around the source, including procedures requiring the use of piping, tubing, or other casing material to line the hole from the lowest depth to 12 inches above the surface, and (2) emergency procedures to recover a "stuck" source, including notifying NRC when it becomes apparent that recovery efforts will be unsuccessful.
3. Only one person may be listed on your NRC license as the Radiation Safety Officer (PSO). Please indicate if that will be, Gerald L. Anderson, or continue to be, Glenn D. Christensen. If you choose Gerald L. Anderson, please note that as a minimum, the RSO should have a high school diploma or general equivalency diploma (GED) and successfully completed the gauge manufacturer's course. A copy of the manufacturer's training course certificate will suffice.

4. Provide management's commitment that the RSO has independent authority to stop unsafe operations and will be given sufficient time to fulfill his/her radiation safety duties and responsibilities. Describe the duties and responsibilities of the RSO. Appendix C of the enclosed Draft Regulatory guide provides a complete listing of RSO duties. Provide a copy of an organizational chart that shows the RSO position to demonstrate that the RSO has sufficient independence and direct communication with responsible management officials.
5. Please commit to providing a copy of your operating and emergency procedures to all users of gauging devices before they begin using the gauges and to having a copy of your operating and emergency procedures at each job site. As a minimum, your procedures should include the requirements and prohibitions outlined in Appendix H of the enclosed Draft Regulatory Guide DG-0008.
6. Provide a commitment that refresher training will be provided to all gauge users, at intervals not to exceed one year, to include participating in "dry runs" of your emergency procedures and reviewing (1) operating and emergency procedures, (2) DOT requirements, (3) changes in applicable regulations or license conditions and (4) deficiencies identified during the performance of annual audits of the radiation safety program.

You should maintain records of the annual refresher training including the date of the training, identification of the instructor, list of attendees, and topics covered. These records should be kept for at least three years.

7. Describe how gauges will be controlled, under the constant surveillance of authorized users when not in storage and how they will be secured while in storage at temporary job sites. For example, describe how gauges will be secured from damage or theft during periods of non-use (e.g., lunch) and describe how the gauges will be secured during off-duty hours while located at temporary job sites.
8. Since gauges will be used at temporary job sites, please either (1) commit to returning the gauges to a permanent storage facility (i.e., 999 Old Philadelphia Road, Aberdeen, MD) or (2) explain why the gauge is not returned, at the end of each work day, to a permanent storage location, where the gauge will be stored, and the steps you will take to ensure: that the gauge is secured from unauthorized removal and the area is protected in accordance with the requirements of 10 CFR 20.1903, that it does not present an "attractive nuisance," and that members of the general public are not exposed to radiation in excess of 10 CFR 20.1301 limits.
9. Describe how gauges will be secured while located in transport vehicles. For example, gauges will be locked in the trunk of a car, hidden from view while in a locked van, or secured by a lock and chain while in an open bed truck.
10. Provide one of the following:

- A. Documentation of your evaluation that unmonitored gauge users are not likely to receive radiation doses in excess of 10 percent of the allowable limits OR
- B. A commitment to monitor all gauge users with a film badge or TLD when they use gauges, including:
1. The name of the supplier of the monitoring equipment you will use or a commitment to use any supplier accredited by the National Voluntary Laboratory Accreditation Program (NVLAP), as required by 10 CFR 20.1501.
 2. Identification of the type of personnel monitoring equipment that will be used (i.e., film badge or TLD).
 3. Specification of the frequency with which film badges or TLDs will be exchanged. Personnel monitoring devices need to be exchanged, at a minimum, of every 3 months for TLDs and every month for film badges.
11. Provide either (A) a commitment to have at least one appropriate, calibrated survey meter at each job-site for timely evaluation of source integrity following an incident and
- a. list the type and ranges of survey instruments you will have available,
 - b. state the frequency of calibration,
 - c. specify that the instrument(s) will be returned to the manufacturer for calibration,
 - d. describe how you will ensure that a survey instrument is working properly;
- OR
- (B) an explanation of how you will have access to an appropriate survey meter for timely evaluation of source integrity following an incident at any job-site.
12. In your application dated May 14, 1990, you indicated that you use a Troxler Model RK-1 leak test kit. Please provide the current leak test kit model number, supplier, who performs the leak test, and which company analyzes the leak test sample(s).

13. State that you will conduct inventories, at intervals not to exceed 6 months, to account for all sealed sources and devices received and possessed under the license. You should maintain records of the inventories for at least 3 years from the date of the inventory, and your inventory records should include: the radionuclide and amount (in units of becquerels or curies) of byproduct material in each sealed source; the manufacturer's name, model number, and serial number (if appropriate) of each device containing byproduct material; the location of each sealed source and device; and the date of the inventory.
14. State that (1) any maintenance (e.g., cleaning) will always be performed with the radioactive source in the safe shielded position in accordance with the manufacturer's directions or recommendations, and (2) more extensive maintenance that requires removal of the source from its shielded position or removal of the source rod from the device will be performed by the gauge manufacturer.
15. Submit (1) the name and radiation safety qualifications of the individual who will conduct audits, (2) a description of the scope and extent of the audits, (3) a commitment to conduct audits at intervals not to exceed 12 months and to maintain records of the audits for at least 3 years after the record is made, (4) management's commitment to review the documented results of the audit promptly after the audit's completion, and (5) a commitment to take prompt action to correct deficiencies identified during audits, to inform all personnel (including those at other locations and those working under other licenses) of the deficiencies and the actions management expects its personnel to take to avoid similar deficiencies.

We will continue our review upon receipt of this information. Please reply in duplicate to my attention at the Region I office and refer to Mail Control No. 121989. If you have any technical questions regarding this deficiency letter, please call me at (610) 337-5251.

In order to continue prompt review of your application, we request that you submit your response to this letter within 30 calendar days from the date of this letter.

Sincerely,

Original Signed By:
Kathleen Dolce

Kathleen Dolce
Division of Nuclear Materials Safety

License No. 19-28534-01
Docket No. 030-31738
Control No. 121989

D. E. Patterson
Kiewit Construction Company

-5-

Enclosures:

1. 10 CFR Parts 2, 19, 20, 21, 30, and 170
2. Draft Regulatory Guide DG-0008, *Applications for the Use of Sealed Sources in Portable Gauging Devices*

JUL 12 1995

Glenn Christensen
Radiation Safety Officer
Kiewit Construction Company
6797 Dorsey Road
Baltimore, MD 21227

SUBJECT: LICENSE RENEWAL APPLICATION

Dear Mr. Christensen:

This is to acknowledge receipt of your application for renewal of materials(s) license identified below. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.

Any correspondence regarding the renewal application should reference the control number specified below.

Sincerely,

Original Signed By:
Cheryl K. Buracker



Sheryl Villar, Chief
Licensing Assistance Section
Nuclear Materials Safety Branch
Division of Radiation Safety
and Safeguards

License No. 19-28534-01
Docket No. 030-31738
Control No. 121989

KIEWIT CONSTRUCTION COMPANY

A Kiewit Company

Address Reply to:
6797 Dorsey Road
Baltimore, Maryland 21227
(410) 796-8311
Fax (410) 796-2039

MAIN OFFICE:
1000 Kiewit Plaza
Omaha, Nebraska 68131

030-31738

X

June 27, 1995

Licensing Assistant Section
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406-1415

Enclosed are two (2) copies of our renewal application, Form NRC 313, for our material license number 19-28534-01 concerning our Troxler Density Gauges.

If there are any questions concerning this application, please contact us at 410-796-8311.

Very truly yours,

KIEWIT CONSTRUCTION COMPANY



Glenn Christensen
Radiation Safety Officer

cc: District Office

~~121989~~

JUN 28 1995

(10-94)
10 CFR 30, 32, 33
34, 35, 36, 39 and 40

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 9 HOURS. SUBMITTAL OF THE APPLICATION IS NECESSARY TO DETERMINE THAT THE APPLICANT IS QUALIFIED AND THAT ADEQUATE PROCEDURES EXIST TO PROTECT THE PUBLIC HEALTH AND SAFETY. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (T-6 F33), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0120), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

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. 030-31738

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCT'S FILE APPLICATIONS WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

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:

LICENSING ASSISTANT SECTION
NUCLEAR MATERIALS SAFETY BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO
RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA,
SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION II
101 MARIETTA STREET, NW, SUITE 2900
ATLANTA, GA 30323-0199

IF YOU ARE LOCATED IN:

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

MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
801 WARRENVILLE RD.
LISLE, IL 60532-4351

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS,
LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA,
OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH,
WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING SECTION
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
811 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-8004

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 JURISDICTIONS.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

- ☐ A. NEW LICENSE
☐ B. AMENDMENT TO LICENSE NUMBER
☒ C. RENEWAL OF LICENSE NUMBER 19-28534-01

2. NAME AND MAILING ADDRESS OF APPLICANT (include Zip code)

Kiewit Construction Company
6797 Dorsey Road
Baltimore, MD 21227

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

999 Old Philadelphia Rd., Aberdeen, Maryland and at
temporary job sites throughout the United States where the
U.S. Nuclear Regulatory Commission maintains jurisdiction
over use of by product material.

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Gerald L. Anderson

TELEPHONE NUMBER

410-796-8311

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 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 3P AMOUNT ENCLOSED \$680.00
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, 36, 39 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 15, 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.	

CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE

Douglas E. Patterson, District Manager

SIGNATURE

DATE

6/27/95

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	

5. RADIOACTIVE MATERIAL

<u>a. Radionuclei</u>	<u>b. Form</u>	<u>c. Maximum Amount</u>
CS-137	Special Form	Not to exceed 9mCi per source
AM-241:BE	Special Form	Not to exceed 44mCi per source

6. PURPOSE FOR WHICH LICENSED MATERIAL WILL BE USED

To be used in Troxler Model 3400 Series Surface Moisture/Density Gauge.

7. INDIVIDUALS RESPONSIBLE FOR RADIATION SAFETY PROGRAM

<u>Name</u>	<u>Training</u>	<u>Phone Number</u>
1. Gerald L. Anderson	See Attached	410-796-8311
2. Glenn Christensen	See Attached	410-796-8311

8. TRAINING FOR INDIVIDUAL USERS

Individual users will have taken the Troxler Electronic Laboratories, Inc. Training Course for the use of nuclear testing equipment or be under the supervision of Glenn Christensen or Gerald Anderson.

9. FACILITIES AND EQUIPMENT

See Attached Sketch

10. RADIATION SAFETY PROGRAM

1. Radioactive materials shall be used by, or under the Supervision of Gerald Anderson or Glenn Christensen unless user has taken the Troxler Electronic Laboratories, Inc. Training Course for the use of Nuclear Testing Equipment.
2. Sealed sources containing radioactive material shall not be opened or removed from their respective source holders.
3. The source shall be placed in a shielded position and locked whenever the device is not being used.
4. A. Each sealed source shall be tested for leakage and/or contamination at intervals not to exceed six (6) months.

- B. Leak tests 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 microcurie and maintained for inspection by the NRC.
 - C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired, or to be disposed of in accordance with NRC Regulations. A report shall be filed within five (5) days of the test with the NRC, describing the equipment involved, the test results and the corrective action taken.
 - D. Test for leakage and/or contamination shall be performed by persons specifically authorized by the Division, and Agreement State or the Nuclear Regulatory Commission to perform such services, except that the licensee may take test samples using the Troxler RK-1 Test Kit.
5. Transportation of testing devices will be carried out in accordance with the Department of Transportation Regulations. Specifically, when transporting devices between temporary jobsites, only company vehicles are to be used, the testing devices will be in its proper protective case and adequately secured against movement away from the passenger compartment.
6. In case of an accident involving damage or loss of the gauges, the following steps are to be followed.
- A. Assume the worst, that is, the sealed source has been damaged.
 - B. Stop all equipment involved.
 - C. Adequately barricade the immediate area.
 - D. Inspect the device and ascertain the extent of damage.
 - E. If in fact the source is ruptured, immediately cover with polyethylene to prevent wind transportation of radioactive material.
 - F. Notify the following:
 - 1. Gerald Anderson
(410) 796-8311

Glenn Christensen
(410) 796-8311
 - 2. U.S. Nuclear Regulatory Commission Region I
(215) 337-5000

3. Local Law Enforcement
4. Troxler Electronic Laboratories, Inc.
P.O. Box 12057
Research Triangle Park, NC 27709
(919) 549-8661
5. RSO, Inc.
P.O. Box 1526
Laurel, MD 20725
(301) 953-4997

7. The duties and obligations of the licensees are as follows:
 - A. Ensure that the device is removed and stored in accordance with regulations.
 1. The device will not be stored overnight in a field location.
 2. The device will always be locked back in the designated storage location at the end of shift.
 - B. Ensure that the device is used in the proper manner.
 1. The device is to stay in the possession of, or used under the direction of licensee.
 2. When not in use, the device will be either locked in transportation (company vehicle) or locked back in the designated storage area.
 - C. Ensure that all users wear film badges and take care of the badges. This includes:
 1. Not washing the badges.
 2. Not keeping the badges in the car because heat will destroy them.
 3. Not wearing the badges during a medical exam.
 4. Not storing badge in case with the Troxler.
 - D. Ensure that the device has a leak test performed every six (6) months.
 - E. Ensure that all general safety precautions are in use.

11. WASTE MANAGEMENT

Source will be returned to the manufacturer.

KIEWIT CONSTRUCTION COMPANY

A Kiewit Company

Address Reply to:
6797 Dorsey Road
Baltimore, Maryland 21227
(410) 796-8311
Fax (410) 796-2039

MAIN OFFICE:
1000 Kiewit Plaza
Omaha, Nebraska 68131

24 April 1995

Nuclear Regulatory Commission
Region One
475 Glendale Road
King of Prussia, PA 19406-1415

License No. 19-28534-01
Docket No. 030-31738

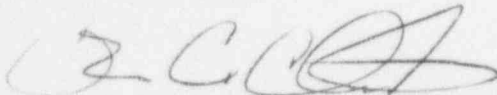
Dear Mr. Kirkwood:

Kiewit Construction Company will vacate its storage site at Route 19, behind Econolodge Motel, Mt. Nebo, West Virginia, 26679 on or about July 1, 1995. Instruments will be transported to licensed storage sites in the State of Maryland.

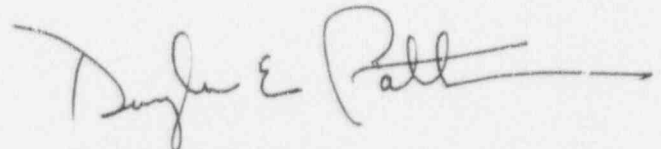
Otherwise the organization, location, facilities, equipment and personnel remain the same.

Kiewit agrees to abide by all commitments and representations previously made to the NRC.

Very truly yours,



Glenn C. Christensen
Radiation Safety Officer



Douglas E. Patterson
Vice President / District Manager

cc: Jim Woodward / Brian Watkinson
District Officer / File

KIEWIT CONSTRUCTION COMPANY

A Kiewit Company

Address Reply to:
6797 Dorsey Road
Baltimore, Maryland 21227
(410) 796-8311
Fax (410) 796-2039

MAIN OFFICE:
1000 Kiewit Plaza
Omaha, Nebraska 68131

6 March 1995

Nuclear Regulatory Commission
Region One
475 Glendale Road
King of Prussia, PA 19406-1415

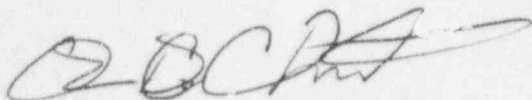
License No. 19-28534-01
Docket No. 030-31738

Dear Mr. Kirkwood:

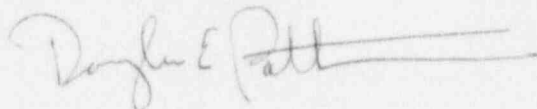
This letter is to update the information provided to you previously concerning the Kiewit Construction Company License.

1. Douglas E. Patterson is Vice President of the corporation and replaced Mark C. Keppeler as District Manager.
2. James D. Woodward and John D. Huber are authorized users of the licensed material (copies of certificates attached).
3. In addition to the storage location at Mt. Nebo, West Virginia, we are licensed to store material in the State of Maryland in accordance with Maryland Radioactive Material License Number MD-27-051-01.
4. Otherwise the organization, location, facilities, equipment and personnel remain the same.
5. Kiewit agrees to abide by all commitments and representations previously made to the NRC.

Very truly yours,



Glenn C. Christensen
Radiation Safety Officer



Douglas E. Patterson
Vice President / District Manager

cc: Jim Woodward / Brian Watkinson
District Officer / File

MAR 13 1995

THIS DOCUMENT MAY BE USED TO VERIFY TRAINING REQUIRED BY 49CFR172, SUBPART H.

JAMES D. WOODWARD

NAME

9/20/1994

TRAINING DATE

Training materials used are part of the Troxler Electronic Laboratories, Inc. Nuclear Gauge Safety Training Program. Topics covered apply to recognition, labeling, preparation for transport, transportation, regulatory compliance, emergency response, personal protection, and accident avoidance only as they apply to radioactive White I and Yellow II portable gauging devices.

TROXLER ELECTRONIC LABORATORIES, INC.
3008 CORNWALLIS ROAD
P.O. BOX 12057
RESEARCH TRIANGLE PARK, NC 27709

FRANK JONES
INSTRUCTOR

I hereby certify that the above named employee has been properly trained and tested in accordance with the requirements of 49CFR172, subpart H.

[Signature]

COMPANY OFFICIAL Glenn Christensen, RSO

Kiewit Construction Company

6797 Dorsey Road

Baltimore, ME 21227-6292

COMPANY AND ADDRESS

9/20/1996

EXPIRATION DATE



THIS DOCUMENT MAY BE USED TO VERIFY TRAINING REQUIRED BY 49CFR172, SUBPART H.

John D. Huber

NAME

9/20/94

TRAINING DATE

Training materials used are part of the Troxler Electronic Laboratories, Inc. Nuclear Gauge Safety Training Program. Topics covered apply to recognition, labeling, preparation for transport, transportation, regulatory compliance, emergency response, personal protection, and accident avoidance only as they apply to radioactive White I and Yellow II portable gauging devices.

TROXLER ELECTRONIC LABORATORIES, INC.
3008 CORNWALLIS ROAD
P.O. BOX 12057
RESEARCH TRIANGLE PARK, NC 27709

Frank Jones

INSTRUCTOR

I hereby certify that the above named employee has been properly trained and tested in accordance with the requirements of 49CFR172, subpart H.

Glenn Christensen

COMPANY OFFICIAL Glenn Christensen, RSO

9/20/96

EXPIRATION DATE

Kiewit Construction Company
6797 Dorsey Road
Baltimore, MD 21227-6292
COMPANY AND ADDRESS



OFFICIAL RECORD COPY

FILE 10

124147

LICENSE FEE REQUIREMENTS

LICENSE FEE AND DEBT COLLECTION BRANCH
DIVISION OF ACCOUNTING AND FINANCE
OFFICE OF THE CONTROLLER
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001KIEWIT CONSTRUCTION COMPANY
ATTN: GERALD I. ANDERSON
DISTRICT SAFETY SUPERVISOR
6797 DORSEY AVENUE
BALTIMORE, MD 21227

TYPE OF ACTION

- ☐ NEW LICENSE
☐ RENEWAL OF LICENSE
☒ AMENDMENT TO LICENSE

REQUESTED DATE

1-20-97

LICENSE NUMBER

19-28534-01

CONTROL NUMBER

124147

I. APPLICATION FEE DUE

Your request for a licensing action is subject to the fee(s) in the category(ies) noted below in accordance with Section 170.31 of the enclosed Federal Register notice. Payment of the fee is required prior to the issuance of the license, renewal, or amendment.

FEE CATEGORY	APPLICATION	RENEWAL	AMENDMENT
3P	\$	\$	\$ 300.00
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$
	\$	\$	\$

FEE(s) DUE	\$	300.00
PAYMENT RECEIVED	\$	0.00
AMOUNT DUE	\$	300.00

- ☒ Your request was received without the prescribed application fee.
- ☐ We received your Check No. _____ in the amount of \$ _____. Payment of the additional fee noted above is required.
- ☐ Your request will increase the scope of your license program. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(d)(2).
- ☐ Your license expired prior to the receipt of your application for renewal. Therefore, your request is subject to the application fee(s) noted above. Refer to Section 170.31 and Footnote 1(a).

MAKE PAYMENT OF THE FEE(S) TO THE U.S. NUCLEAR REGULATORY COMMISSION AND MAIL THE PAYMENT TO THE ADDRESS LISTED AT THE TOP OF THIS FORM. IF WE DO NOT RECEIVE A REPLY FROM YOU WITHIN 30 CALENDAR DAYS FROM THE DATE LISTED BELOW, WE SHALL ASSUME THAT YOU DO NOT WISH TO PURSUE YOUR APPLICATION AND WILL VOID THIS ACTION.

II. FEE NOT REQUIRED

- ☐ Enclosed is Check No. _____ which accompanied your request. The fee is not required because:
- ☐ We received your Check No. _____ in payment of the fee.
- ☐ The Licensing staff has informed us that your request is to be considered as a continuation of your request dated _____, Control No. _____.
- ☐ Your request was combined, prior to review, with your request, Control No. _____.

III. CHECK RETURNED

- ☐ Enclosed is Check No. _____ which was returned to us by the bank for:
- ☐ INSUFFICIENT FUNDS
- ☐ ACCOUNT CLOSED
- ☐ OTHER

MAIL THE REPLACEMENT CHECK TO THE ADDRESS LISTED AT THE TOP OF THIS FORM AND REFERENCE THE ABOVE CONTROL NUMBER.

IV. LICENSE ISSUED WITHOUT THE REQUIRED FEE

- ☐ License No. _____ Amendment No. _____, issued on _____, was issued without the required fee being collected. The fee required is noted in Section I of this form.
- ☐ The scope of your licensed program was increased. Therefore, your request is subject to the application fee(s) noted in Section I of this form. Refer to Section 170.31 and Footnote 1(d)(2).
- ☐ Because of the urgency of your request, the license was issued without remittance of the prescribed fee noted in Section I of this form.

SIGNATURE -- LICENSE FEE ANALYST

LFDCB LFDCB

Distribution:

DATE

BRENDA BROWN 301-415-6055

BB *BB*
2/3/97

Region I LFAB R/F
Pending OC/DAF R/F
BBrown OC/DAF S/F (LF-3.2.7)

2-3-97

BETWEEN:

LICENSE FEE MANAGEMENT BRANCH, ARM
AND
REGIONAL LICENSING SECTIONS

(FOR LFMS USE)
INFORMATION FROM LTS

PROGRAM CODE: 03121
STATUS CODE: 0
FEE CATEGORY: 3P
EXP. DATE: 20000731
FEE COMMENTS: -----
DECOM FIN ASSUR REQD: N
.....

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

APPLICANT/LICENSEE: KIEWIT CONSTRUCTION COMPANY
RECEIVED DATE: 970123
DOCKET NO: 3031738
CONTROL NO.: 124147
LICENSE NO.: 19-28534-01
ACTION TYPE: AMENDMENT

2. FEE ATTACHED

AMOUNT: -----
CHECK NO.: -----

3. COMMENTS

SIGNED M.A. Perkins
DATE 1/24/97

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

1. FEE CATEGORY AND AMOUNT: 3P 83.00

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

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

3. OTHER -----

SIGNED
DATE

I 6 D

Log	<u>9-1-2</u>
Itemizer	
Check No.	<u>446934</u>
Amount	<u>83.00</u>
Fee Category	<u>3P</u>
Type of Fee	<u>AMD</u>
Date Check Rec'd	<u>2/25/97</u>
Date Completed	<u>BB</u>
By	

1997 JAN 27 PM 2 01