NRC FORM 313
(1-84)
10 CFR 30, 32, 33, 34, 35 and 40

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED BY OMB
3150-0120
Expires: 5-31-87

APPLICATION FOR MATERIAL LICENSE

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

FEDERAL AGENCIES FILE APPLICATIONS WITH:

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

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS, IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I
NUCLEAR MATERIAL SECTION B
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 30323

IF YOU ARE LOCATED IN:

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

U.S. NUCLEAR REGULATORY COMMISSION, REGION III
MATERIALS LICENSING SECTION
799 ROOSEVELT ROAD
GLEN ELLYN, IL 60137

RECEIVED
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ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
MATERIAL RADIATION PROTECTION SECTION
611 RYAN PLAZA DRIVE, SUITE 1000
ARLINGTON, TX 76011

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION V
MATERIAL RADIATION PROTECTION SECTION
1450 MARIA LANE, SUITE 210
WALNUT CREEK, CA 94596

(030-28655)
LtL 23176

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)
- [X] A. NEW LICENSE
- [ ] B. AMENDMENT TO LICENSE NUMBER ____
- [ ] C. RENEWAL OF LICENSE NUMBER ____

2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip Code)
List & Clark Construction Company
6811 W. 63rd Street, P. O. Box 2903
Overland Park, KS 66201-1303

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED. Will be used at temporary job sites throughout the United States where the U.S.Nuclear Regulatory Commission maintains jurisdiction over the use of by-product material. When the unit is not being used on at a job site, it will be stored at our maintenance shop located in Pittsburg, Kansas

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION
John R. Jepson

TELEPHONE NUMBER
(913) 236-8110

SUBMIT ITEMS 5 THROUGH 11 ON 8½ x 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL
a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

9. FACILITIES AND EQUIPMENT

10. RADIATION SAFETY PROGRAM.

11. WASTE

8507170697 850522
REG4 LIC30
15-23176-01 PDR

12. LICENSEE FEES (See 10 CFR 170 and Section 170.31)
FEE CATEGORY 3P
AMOUNT ENCLOSED $ 230.00

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, AND 40 AND THAT ALL INFORMATION CONTAINED HEREIN, IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948, 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

SIGNATURE—CERTIFYING OFFICER	TYPED/PRINTED NAME	TITLE	DATE
John R. Jepson	John R. Jepson	Radiation Safety Officer	4/22/85

14. VOLUNTARY ECONOMIC DATA

a. ANNUAL RECEIPTS
- [X] < $250K
- [ ] $250K – 500K
- [ ] $500K – 750K
- [ ] $750K – 1M
- [ ] $1M – 3.5M
- [ ] $3.5M – 7M
- [ ] $7M – 10M
- [ ] > $10M

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

c. NUMBER OF BEDS

d. WOULD YOU BE WILLING TO FURNISH COST INFORMATION (Dollar and/or staff hours) ON THE ECONOMIC IMPACT OF CURRENT NRC REGULATIONS OR ANY FUTURE PROPOSED NRC REGULATIONS THAT MAY AFFECT YOU? (NRC regulations permit it to protect confidential commercial or financial—proprietary—information furnished to the agency in confidence)
- [ ] YES
- [ ] NO

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	COMMENTS	APPROVED BY
APPL.	Apr. 4 IV	3P		Frances Brown
AMOUNT RECEIVED	CHECK NUMBER		460610	DATE
$230	008683			5/2/85

Item 5: Radioactive Material

	Element/Mass No.	Form	Maximum Amt. Owned
1.	Cs-137	Special Form	9 mCi
2.	Am-241:Be	Special Form	44 mCi

Item 6: Purpose for which licensed material will be used

1. Used in a "Troxler 3411B" surface moisture/density gauge to measure density.

2. Used in a "Troxler 3411B" surface moisture/density gauge to measure moisture content.

Item 7: Individual responsible for radiation safety program and their training and experience

John R. Jepson, Radiation Safety Officer
List & Clark Construction Company
6811 W. 63rd Street, P. O. Box 2903
Overland Park, KS 66201-1303

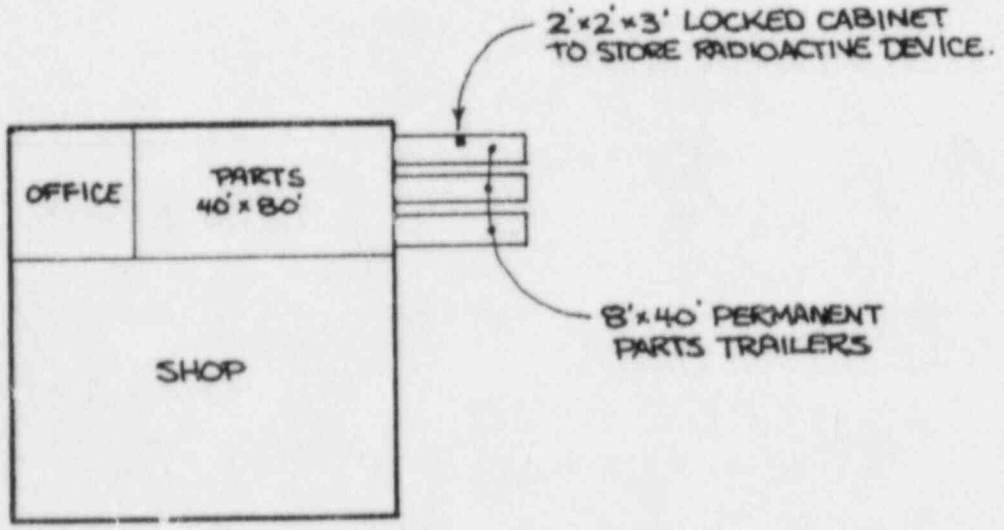
Telephone: 913, 236-8110

Item 8: Training for individuals working in or frequenting restricted areas.

Each individual operator will attend a "Troxler" training seminar.

The company Radiation Safety Officer will arrange for training seminar and will maintain a file of each operator's training certificates.

Item 9: Facilities and Equipment



LIST & CLARK MAINTENANCE & OVERHAUL FACILITY
PITTSBURG, KANSAS

460610

Item 10: Radiation Safety Program

LIST & CLARK CONSTRUCTION COMPANY
Radiation Safety Program

1. Radiation Safety Officer

A. John R. Jepson has been designated as the company Radiation Safety Officer and will assume the duties and responsibilities that include the following:

1. Will ensure that all terms and conditions of the license are being met and that the information contained in the license is up-to-date.

2. Will ensure that the equipment has been leak tested in the required timely manner and that the leak test is performed in the manner prescribed by the equipment manufacturer.

3. Will ensure that the use of the equipment is only by individuals that have been authorized by the Radiation Safety Officer and that all users wear personnel monitoring equipment when utilizing the equipment.

4. Will maintain the records as required by the license and the regulations. These records shall include personnel exposure records, leak test records and training certificates for all users.

5. Will ensure that the equipment is properly secured against unauthorized removal at all times when it is not in use.

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

7. Will ensure that all users have read and understand the radiation safety operating and emergency procedures.

2. Operating Procedures

A. Transportation of Equipment

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

2. The gauge will be transported in the Troxler transportation case. The case will be properly labeled.

3. At all times during transport, the operator will have a properly completed Bill of Lading for each gauge.

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Item 10 (continued

B. Utilization Procedures

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

2. When not making measurements, the gauge will be placed in the transportation case and returned to its permanent storage area as soon as possible.

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

C. Maintenance and Leak Test Procedures

1. Periodic maintenance will include cleaning the gauge. During any maintenance, the personnel monitoring device will be worn.

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

3. The leak test will be performed using the Troxler Model 3880 Leak Test Kit. The leak test will be performed using the manufacturer's instructions. Again, the personnel monitoring device will be employed. Guages will be leak tested at intervals not to exceed six (6) months.

3. Emergency Procedures

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

1. Immediately cordon off an area around the gauge. An area radius of 15 feet will be sufficient.

2. If a vehicle is involved, it must be stopped until the extent of contamination, if any, can be established.

3. A visual inspection of the gauge is to be made to determine if the source housing and/or shielding has been damaged.

4. At the earliest possible time, when the situation is under control, John R. Jepson will be contacted at 913, 236-8110. Describe the present conditions and follow the instructions of the Radiation Safety Officer.

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

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Item 11: Waste Management

Disposal of the radioactive device will be by one of the following methods:

1. *Transfer to another licensed user*
2. *Transfer to a licensed burial ground*
3. *Transfer back to the manufacturer*

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