

APPLICATION FOR MATERIAL LICENSE

RECEIVED

APR 23 1985

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

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, D.C. 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 19406ALABAMA, 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 60137ARKANSAS, 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 76011ALASKA, 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 94596PERSONS 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)

M-B Contracting Co., Inc.
7101 DeBarr Road
Anchorage, Alaska 99504

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

At address listed in Item 2 and at Temporary job sites throughout Alaska.

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Michael D. Miller

TELEPHONE NUMBER

(907) 333-5527

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 AND EXPERIENCE

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS

9. FACILITIES AT

B507170247 B50523
REQ5 LIC30
50-23227-01 PDR

10. RADIATION SAFETY PROGRAM

11. WASTE MAN

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

FEE CATEGORY 3P

AMOUNT
ENCLOSED \$ 230.0013. 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 I. Miller

President

April 15
1985

14. VOLUNTARY ECONOMIC DATA

a. ANNUAL RECEIPTS

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

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

10

c. NUMBER OF BEDS

0

d. WOULD YOU BE WILLING TO FURNISH COST INFORMATION (Dollars 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

AMOUNT RECEIVED

CHECK NUMBER

APPROVED BY

DATE



M-B CONTRACTING CO., INC.

7101 Debarr Rd., Anchorage, Alaska 99504 • Ph. (907) 333-5527 • Telex 26-528

Item 5

<u>Model</u>	<u>Radionuclei</u>	<u>Form</u>	<u>Troxler Owg.#</u>	<u>Max Amount</u>
a. 3411B	Cs-137	Special Form	A-102112	Not to exceed 9mCi per source
	Am-241:Be	Special Form	A-102451	Not to exceed mCi per source
b. 3241	Am-241:Be	Special Form	A-100337	Not to exceed 300mCi per source
c. 4640	Cs-137	Special Form	A-102112	Not to exceed 9mCi per source

Item 6

- To be used in Troxler Model 3400 Series Surface Moisture/Density Gauge.
- To be used in Troxler Model 3241 Asphalt Content Gauge.
- To be used in Troxler Model 4640 Surface Density Gauge.

Item 7

Michael D. Miller

Item 8

Individuals working with the gauges will attend a Troxler Training Seminar. Copies of each individual training certificates will be kept on file by Michael D. Miller at the license address.

Item 9

See attached sketches. Keys to locked storage area, storage cabinets and gauges will be under the control of Michael D. Miller.

Item 10

See attached Radiation Safety Program

Item 11

Any disposal of nuclear material will be handled thru the manufacturer of the gauge, Troxler Electronic Laboratories, Inc.



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Radiation Safety Program

1. Radiation Protection Officer

A. Michael D. Miller has been designated as the company Radiation Safety Officer and will assume the duties and responsibilities that include:

1. To assume that all terms and conditions of the license are being met; and, that the information contained in the license is up-to-date.
2. To ensure that the equipment has been leak tested in the required timely manner; and, that the leak test is preformed in the manner prescribed by the equipment manufacturer.
3. To assure that the use of the equipment is only by individuals that have been authorized by the Radiation Protection Officer; and, that all users wear personal monitoring when utilizing the equipment.
4. To maintain the records as required by the license and the regulations. These records shall include personal exposure records, leak test records and training certificates for all users.
5. To assure that the equipment is properly secured against unauthorized removal at all times when they are not in use.
6. To serve as a point of contact and give assistance in case of emergency such as equipment damaged in the field or theft; and, to notify the proper authorities in case of emergency.
7. To assure 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 shall 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 should be securely fastened and locked to the truck bed.



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

B. Utilization Procedures

1. When the gauge is in the field, you as the 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 should be placed in the transportation case, and returned to its permanent storage area as soon as possible. The gauge is to be used for its intended use only, by doing so you will maintain any radiation exposure to as low as reasonably attainable.
3. When using the equipment, you will wear the personal monitoring device that has been assigned to you. When you are not using the equipment, your monitoring device is to be stored in the radiation free area that has been designated in the office.

C.. Maintenance and Leak Test Procedures

1. Periodic maintenance will include cleaning the gauge. During any maintenance, you must wear your personal monitoring device.
2. No maintenance will be performed in which the radiation source is removed from the gauge. For this type of maintenance, the gauge will be returned to the manufacturer.
3. The leak test will be performed using the Troxler Model 3880 Leak Test Kit. The leak test will be performed under the manufacturer's instructions. Again, the personal monitoring device will be worn and all means to limit radiation exposure will be employed. Gauge 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.



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3. A Visual inspection of the gauge is to be made to determine if the source housing and/or sheilding has been damaged.
4. At the earliest possible time, when the situation is under control, you must contact Michael D. Miller at (907-333-5527). Describe the present condition 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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