

APPLICATION FOR MATERIAL LICENSE

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING THIS FORM. 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 HAMPSHIRE, 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

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

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTION.

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

- ☐ A. NEW LICENSE
☐ B. AMENDMENT TO LICENSE NUMBER
☒ C. RENEWAL OF LICENSE NUMBER 35-19774-01

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

Terracon Consultants SC, Inc.
832 NW 67th Street, Suite 1
Oklahoma City, Oklahoma 73116

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

Storage: Terracon Consultants SC, Inc. offices presently in Oklahoma, located at 832 NW 67th ST., Okla. City; 5865 S. Garnett, Tulsa or other office locations which may be opened in Oklahoma in the future, and at temporary job sites in states subject to NCR's regulatory authority.

Usage: At temporary job sites in states subject to NCR's regulatory authority.
Gerald W. Finn 405/848-1607

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 AND EQUIPMENT

10. RADIATION SAFETY PROGRAM

11. WASTE MANAGEMENT

8806090222 871029
REG 4 LIC 30
35-19774-01 PDR

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

FEE CATEGORY 49FR24113 AMOUNT ENCLOSED \$ 170.00

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 Gerald W. Finn TYPED/PRINTED NAME Gerald W. Finn TITLE Office Manager DATE 4-30-86

14. VOLUNTARY ECONOMIC DATA

A. ANNUAL RECEIPTS		B. NUMBER OF EMPLOYEES (Total for entire facility excluding outside contractors)		C. 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?)	
<\$250K	<input checked="" type="checkbox"/>	\$1M—3.5M	40	<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
\$250K—500K	<input type="checkbox"/>	\$3.5M—7M			
\$500K—750K	<input type="checkbox"/>	\$7M—10M			
\$750K—1M	<input type="checkbox"/>	>\$10M			
		NUMBER OF BEDS			
		None			

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	COMMENTS	APPROVED BY
App	May 6/86	3P		<u>M. Thomas</u>
AMOUNT RECEIVED	CHECK NUMBER			DATE
\$170/50 refunded	1367			5/2/86

5. Radioactive Material

By product, source, and/or
special nuclear material

chemical and/or
physical form

Maximum amount that
licenses may possess
at any one time
under this license

A. Cesium 137/
Americium 241

Combined sealed
sources (Campbell
Pacific Nuclear
Moisture-Density
Gauges)

Not to exceed 10
millicuries of
Cesium 137 and 50
millicuries of
Americium 241 each
per gauge possessed

6. Purposes For Which Licensed Material Will Be Used

For use in Campbell Pacific Nuclear moisture-density gauges for
measuring the in-place moisture and density of various materials.

7. Individual Responsible for Radiation Safety Program and Their Training and Experience

Responsible Individuals: Gerald W. Finn and/or Thomas M. Hawes
Training and Experience: Both Mr. Finn and Mr. Hawes have completed
Campbell Pacific training programs instructed
by a Campbell Pacific authorized and trained
instructor, Mr. Richard Heskamp, covering as a
minimum, the areas of radiation safety prin-
ciples and practices for using the device,
regulatory requirements pertaining to the use
of the device, and instructions and practice in
using the device. Both men have over 5 years
experience in use of the gauge and supervising
others in its use.

8. Training For Individuals Working in or Frequently Restricted Areas

It is the policy of Terracon Consultants SC, Inc. that prior to using a
licensed nuclear gauge, employees will have completed a radiation safety
training program instructed by an individual approved by the gauge
manufacturing.

9. Facilities and Equipment

Licensed nuclear gauges will be stored in locked designated equipment
storage areas at Terracon Consultants SC, Inc. offices in Oklahoma when
not in use, in locked designated equipment storage areas when not in use
at temporary job sites in NCR regulated states or in locked transport
vehicles.

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Continued

10. Radiation Safety Program

- A. Personnel Monitoring Equipment: Film badges will be worn by all employees using licensed nuclear gauges or working in areas adjacent to gauge storage areas. Badges will be processed on a regular basis and film badge reports kept on all employees at their appropriate assigned office.
- B. Leak Testing: A commercial leak-test kit, CPN #TD11B, provided by CPN Corp, 130 S. Buchanan Circle, Pacheco, California 94553 will be used by the individual(s) designated to be responsible for the Radiation Safety Program to perform the smear sampling. The kit would be submitted to CPN Corp for testing and evaluation. Files of all leak test results would be maintained at the office location to which the gauge is permanently assigned.
- C. Maintenance: All maintenance on licensed nuclear gauges performed by Terracon Consultants SC, Inc. personnel would be done with the radioactive source in the safe shielded position. Maintenance requiring the removal of the radioactive source would be performed by CPN Corp. or their authorized service representative.
- D. Transportation: Packaging and transport of the device will be carried out in accordance with applicable DOT regulations.
- E. Operating and Emergency Procedures: Written operating and emergency procedures will be provided to all employees authorized to use the device and would include the following information:
 - 1. Use of personnel monitoring device - requirement for wearing personal dosimeter when working with device.
 - 2. Use of device - step by step procedure for using the device.
 - 3. Storage of the device - procedures for storage of device when not in use or under the physical surveillance of a user.
 - 4. Transportation of device - procedures for transporting device to and from job sites.
 - 5. Leak testing - requirement for periodic testing to be done only by Radiation Safety Officer.
 - 6. Emergency procedures - steps for workers to take, including individuals to notify with appropriate phone numbers.

11. Waste Management

Disposal of radioactive material used in a licensed nuclear gauge will be by transfer of the radioactive material to a licensee specifically authorized to possess it.

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