

TO COMPLY WITH SECTION 2.201 OF THE NRC'S RULES OF PRACTICE PART 2, TITLE 10 THE FOLLOWING CHANGES HAVE BEEN OR ARE BEING MADE. SUCH THAT THE UNFORTUNATE OVERSIGHT WHICH HAS ALLOWED OUR BYPRODUCT MATERIAL LICENSE TO EXPIRE WILL NOT OCCUR AGAIN.

1. RESPONSIBILITY FOR UPKEEP OF THE LICENSE INCLUDING MONITOR BADGES AND LEAK TESTS WILL BE REASSIGNED TO MYSELF STEVE MARCOTT LABORATORY SUPERVISOR. ALL NECESSARY FORMS AND PROCEDURES ARE BEING COMPLIED WITH.
2. TO INSURE THAT THIS WILL NOT HAPPEN AGAIN TWO SEPARATE CALENDARS WILL BE MARKED WITH THE NEW EXPIRATION DATE. FURTHERMORE THEY WILL BE MARKED SUCH THAT RENEWAL FORMS CAN BE MAILED MINIMUM OF TWO MONTHS BEFORE ACTUAL EXPIRATION DATE. ALSO AS A CONSTANT REMINDER (EVERY SIX MONTHS) WHEN THE LEAK TESTS ARE PERFORMED AND "LOGGED IN" THE EXPIRATION DATE OF THE LICENSE WILL BE VISIBLE IN THAT LOG BOOK.

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: 6-31-87

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

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) <input checked="" type="checkbox"/> A. NEW LICENSE <input type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER <input type="checkbox"/> C. RENEWAL OF LICENSE NUMBER <u>35-16216-01</u>	2. NAME AND MAILING ADDRESS OF APPLICANT (Include Zip Code) SHEPHERD ENGINEERING TESTING CO. INC. 2720 S. CLASSEN NORMAN OKLA. 73071
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3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED.
2720 S. CLASSEN NORMAN OKLA.
7166 MELROSE LANE OKLA CITY

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION STEVE MARCOTT	TELEPHONE NUMBER 405 / 364-2900
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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 NO WASTE GENERATED	12. LICENSEE FEES (See 10 CFR 170 and Section 170.31) FEE CATEGORY 49FR21293 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 <i>Steve Marcott</i>	TYPED/PRINTED NAME STEVE MARCOTT	TITLE LAB & FIELD SUPER	DATE 6-13-85
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14. VOLUNTARY ECONOMIC DATA									
a. ANNUAL RECEIPTS <table border="1"> <tr> <td><\$250K</td> <td>\$1M-3.5M</td> </tr> <tr> <td>\$250K-500K</td> <td>\$3.5M-7M</td> </tr> <tr> <td>\$500K-750K</td> <td>\$7M-10M</td> </tr> <tr> <td>\$750K-1M</td> <td>>\$10M</td> </tr> </table>	<\$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) 27 c. NUMBER OF BEDS
<\$250K	\$1M-3.5M								
\$250K-500K	\$3.5M-7M								
\$500K-750K	\$7M-10M								
\$750K-1M	>\$10M								
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) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO									

FOR NRC USE ONLY			
TYPE OF FEE Application Fee-2	FEE LOG June-2-85	FEE CATEGORY 3P	COMMENTS
AMOUNT RECEIVED \$230	CHECK NUMBER 11517	APPROVED BY <i>Jo Jackson</i> DATE 6/14/85 460675	

ENCLOSED IS OUR APPLICATION FOR RENEWAL OF NUCLEAR MATERIAL LICENSE. EVERY EFFORT WAS MADE TO INCLUDE ALL NECESSARY INFORMATION IF ANY HAS BEEN OVER LOOKED PLEASE LET US KNOW.

5. RADIOACTIVE MATERIAL

TROXLER & CAMPBELL PACIFIC NUCLEAR
MOISTURE/DENSITY GAUGES

SOURCES ARE : CESIUM 137 LESS THAN 10 MILLICURIES
AMERICIUM 241 LESS THAN 50 MILLICURIES

6. PURPOSE OF LICENSED MATERIAL IS FOR MEASURING
MOISTURE/DENSITY OF CONSTRUCTION MATERIALS
AT PROJECT LOCATIONS

7. STEVE MARCOT LAB & FIELD SUPERVISOR. CERTIFIED
BY CAMPBELL PACIFIC NUCLEAR CORPORATION
MAY 26, 1976 10 YEARS EXPERIENCE IN MOST
AREAS OF GEOTECHNICAL TESTING WITH 6 YEARS
OF FIELD TESTING USING MOISTURE/DENSITY
GAUGES. MAIN GOAL WOULD BE TO ESTABLISH
AND MAINTAIN ... EFFECTIVE SAFETY TRAINING
PROGRAM.

8. OPERATORS WILL BE CERTIFIED THROUGH AUTHORIZED TRAINING CLASSES AND WILL BE CONTINUALLY UPDATED BY STEVE MARCOTT. AS WELL AS ANY OTHER OUTSIDE INFORMATION THAT MIGHT BECOME AVAILABLE.

Sanitation QDN-131

CS-137 / A-249 → one unit
10 million / 50 million

9. FACILITIES & EQUIPMENT A, B (C), & MC Series

- A. CAMPBELL PACIFIC BRC & TROXERS 3411B, 3401's
- B. EQUIPMENT IS USED AT VARIOUS PROJECT LOCATIONS
- C. EQUIPMENT WILL BE TRANSPORTED IN A SECURE POSITION.
- D. EQUIPMENT WILL BE CHAINED AND PADLOCKED TO VEHICLE WHEN NOT IN USE.
- E. EQUIPMENT WILL BE LABELED "RADIOACTIVE"
- F. SOURCE WILL BE LOCKED IN SAFE POSITION WHEN NOT USED.
- G. STORAGE AREAS WILL BE LOCKED AND HAVE WARNING SIGNS
- H. OPERATORS AND SUPERVISOR WILL HAVE ACCESS TO KEYS.
- I. EMERGENCY PHONE NUMBERS AND PROCEDURES WILL BE KEPT AVAILABLE :
 - IN EACH VEHICLE
 - AT EACH STORAGE AREA
 - AT EACH LAB OFFICE
 - AT EACH 24 HOUR PHONE NUMBER LOCATION

460675

10. RADIATION SAFETY PROGRAM

OPERATORS WILL BE CERTIFIED THROUGH AUTHORIZED TRAINING CLASSES, CONTINUALLY UPDATED, EMERGENCY PHONE NUMBERS & PROCEDURES WITH OPERATORS. SAFE OPERATOR PROCEDURES ESTABLISHED AND FOLLOWED TO AVOID UNNECESSARY EXPOSURE. WHOLE BODY FILM BADGES ARE USED SERVICE IS DONE BY ATOMIC ENERGY INDUSTRIAL LABORATORIES OF THE SOUTHWEST INC. LEAK TEST KIT NO. 3880 BY TROXLER ELECTRONIC LABS. LEAK TEST IS DONE ONE EACH GAUGE EVERY SIX MONTHS.

11. WASTE MANAGEMENT NO WASTE IS GENERATED HOWEVER WHEN USEFUL LIFE OF GAUGE IS REACHED GAUGE WILL BE RETURNED TO MANUFACTURER.

12. LICENSEE FORM 10 CFR PART 170 SECTION 170.31 PART 49FR 21293 I.J.
LICENSES FOR POSSESSION AND USE OF SPECIAL NUCLEAR MATERIAL INSEALED SOURCES USED IN INDUSTRIAL MEASURING SYSTEMS. #23020

AS NEW SAFETY OFFICER FOR SHEPHERD ENGINEERING I AM REQUESTING A "GRACE PERIOD" SUCH THAT WE MAY CONTINUE USING OUR MOISTURE DENSITY GAUGES WHILE OUR APPLICATION IS BEING REVIEWED. I SINCERELY CONSIDER THIS A REASONABLE REQUEST FOR THE FOLLOWING REASONS: 1. WE WILL CONTINUE OUR SAFE PROCEDURES

AND COMPLY AS ALWAYS WITH REGULATIONS DURING THIS "GRACE PERIOD".

2. WE HAVE A PROVEN 10 YEAR SAFETY RECORD

3. ALWAYS HAVE HAD VERY LOW LEVEL EXPOSURE READINGS FROM FILM BADGES

4. OUR TYPE MOISTURE/DENSITY GAUGES HAVE LOW LEVELS OF RADIATION.

5. WOULD WELCOME INSPECTION AT ANY TIME DURING THIS "GRACE PERIOD" (UNANNOUNCED OF COURSE)

6. I SINCERELY FEEL THAT BY GRANTING US THIS "GRACE PERIOD" IT WOULD IN NO WAY UNDERMINE THE PURPOSE OF THE COMMISSION.

7. SINCE MOISTURE/DENSITY GAUGES ARE VITAL TO OUR COMPANY DAILY OPERATIONS I ASSURE THE COMMISSION WE DO NOT WISH TO FURTHER DAMAGE OUR STANDINGS WITH IT.

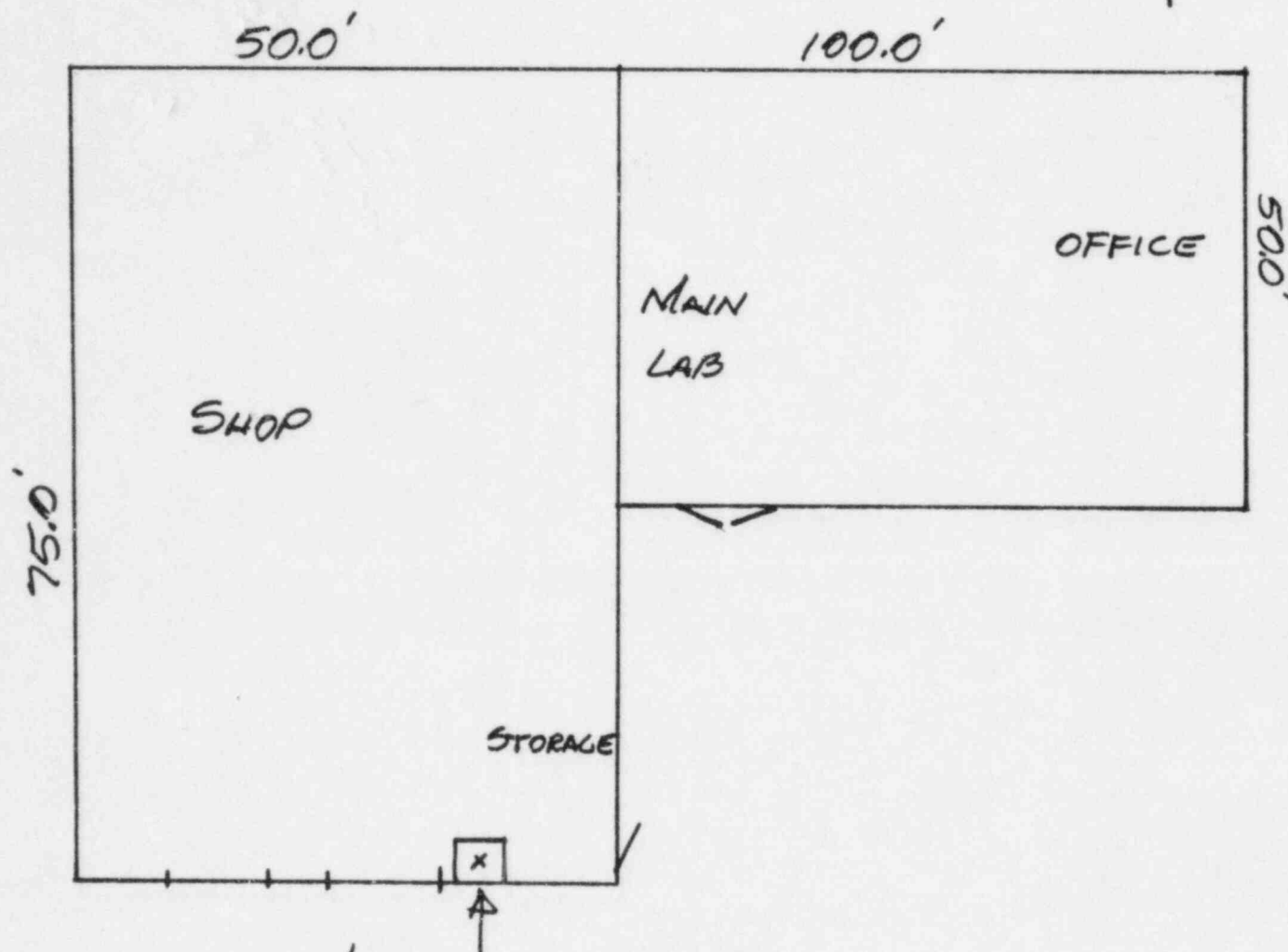
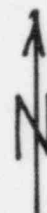
460675

SHEPHERD ENGINEERING PLANS TO STAY
IN BUSINESS FOR AWHILE SO WE DO WISH
TO ABIDE BY THE COMMISSIONS REGULATIONS
BOTH NOW AND IN THE FUTURE. FURTHERMORE
WE DO UNDERSTAND AND AGREE WITH THE NEED
FOR REGULATING THE USE OF RADIOACTIVE
MATERIAL.

Steve Mancoske
SHEPHERD ENGINEERING
2720 S. CLASSEN
NORMAN, OKLA. 73071
405/364-2900

MOISTURE/DENSITY GAUGE STORAGE AREAS

NORMAN LAB @ 2720 S. CLASSEN 364-2900

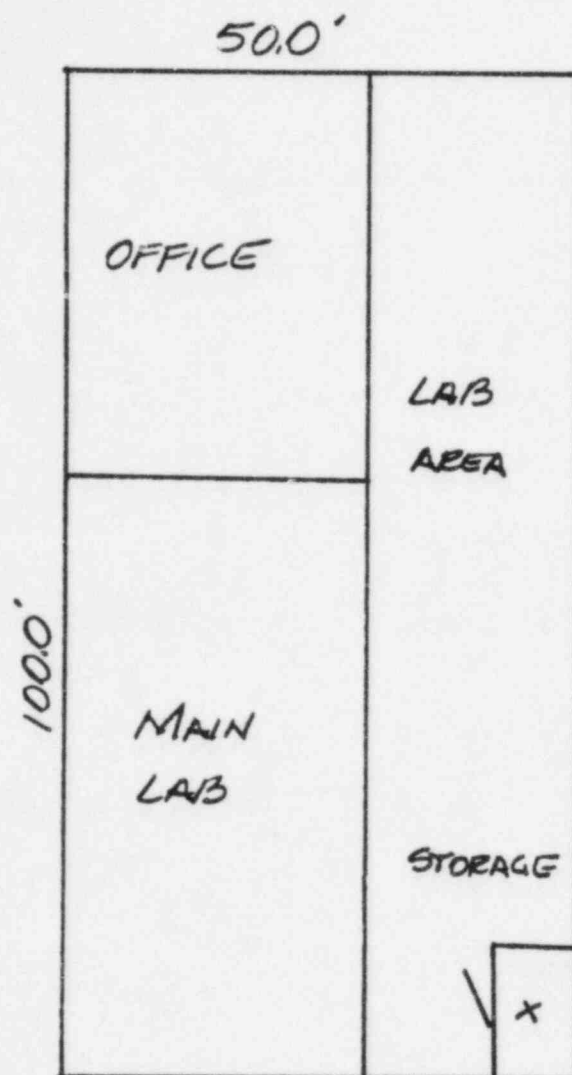


NUCLEAR GAUGE STORAGE AREA
 PAD LOCKED W/ SIGNS

460675

MOISTURE/DENSITY GAUGE STORAGE AREAS

OKLA. CITY. LAB @ 7166 MELROSE LANE
495-0880



NUCLEAR GAUGE
STORAGE AREA
PAD LOCKED W/SIGNS

Certificate of Completion

This is to certify that Steve Marcott has completed the basic training
course on *Radiation Safety and Use of Nuclear Soil Gauges*, held
this 26 day of May 19 76, held at Holiday Inn City of Dallas

State of Texas by Campbell Pacific Nuclear Corporation.

Patrick J. Campbell Patrick J. Campbell
INSTRUCTOR RADIATION SAFETY OFFICER