

## SOIL MECHANICS INTERNATIONAL

3431 Durazno Avenue  
El Paso, Texas 79905

Thursday, October 7, 2010

Nuclear Materials Licensing Branch  
U.S. Nuclear Regulatory Commission, Region IV  
612 E. Lamar Boulevard, Suite 400  
Arlington, TX 76011-4125

Momentum Design & Construction dba Soil Mechanics International is requesting the NRC Licensing Branch to expedite our licensing process due to ongoing projects. Our clients are currently in the construction process and have hired our firm to conduct density testing with our radiation gauges in Fort Bliss and Biggs Air Field in El Paso, Texas.

If you have any further questions or concerns, please feel free to contact me, Carlos Figueroa or Lorenza Escareno at 915-532-5406.

Sincerely,

  
Carlos Figueroa, P.E.  
President

NRC FORM 313  
(3-2009)  
10 CFR 30, 32, 33,  
34, 35, 36, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 3/31/2012

RECEIVED  
APPLICATION FOR MATERIALS LICENSE

OCT - 6 2010

Estimated burden per response to comply with this mandatory collection request: 4.3 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. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects.resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NE08-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

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.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

OFFICE OF FEDERAL & STATE MATERIALS AND ENVIRONMENTAL MANAGEMENT PROGRAMS  
DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM  
DIVISION OF NUCLEAR MATERIALS SAFETY  
U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

IF YOU ARE LOCATED IN:

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

MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MISSISSIPPI, 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 BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
612 E. LAMAR BOULEVARD, SUITE 400  
ARLINGTON, TX 76011-4125

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 \_\_\_\_\_

2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)

Momentum Design & Construction dba Soil Mechanics  
International  
3431 Durazno Avenue  
El Paso, Texas 79905

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

--White Sands Missile Range, Alamogordo, NM  
--Fort Bliss, Texas, El Paso, Texas  
--McGregor Range, New Mexico  
--Biggs Field, El Paso, Texas

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Lorenza A. Escareno

TELEPHONE NUMBER

(915) 532-5406

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. LICENSE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY 1 C AMOUNT ENCLOSED \$ 1,200.00

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 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.

CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE

Carlos Figueroa, P.E.S.E., RSO

SIGNATURE

DATE

09/30/2010

FOR NRC USE ONLY

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

APPROVED BY

DATE

Fr. 573901

# SOIL MECHANICS INTERNATIONAL

3431 Durazno Avenue  
El Paso, Texas 79905

## ITEM 5 – RADIOACTIVE MATERIAL

Radioisotope	Manufacturer or Distributor Model No.	Quantity	Use as Listed on SSD Certificate	Other Uses not listed on SSD Certificate
Cesium 137	Troxler 3411	1	Soil Testing	N/A
	Troxler 3430	2	Moisture /	N/A
	CPN MC-3	1	Density Gauge	N/A

Radioisotope	Manufacturer or Distributor Model No.	Quantity	Use as Listed on SSD Certificate	Other Uses not listed on SSD Certificate
Americium-241	Troxler 3411	1	Soil Testing	N/A
	Troxler 3430	2	Moisture /	N/A
	CPN MC-3	1	Density Gauge	N/A

# SOIL MECHANICS INTERNATIONAL

3431 Durazno Avenue  
El Paso, Texas 79905

Thursday, September 30, 2010

Nuclear Materials Licensing Branch  
U.S. Nuclear Regulatory Commission, Region IV  
612 E. Lamar Boulevard, Suite 400  
Arlington, TX 76011-4125

Momentum Design & Construction dba Soil Mechanics International is requesting the NRC License to use our portable nuclear density/moisture gauge on White Sands Missile Range, Fort Bliss, Texas, and McGregor Range properties. We will conduct density testing at different projects for various clients.

If you have any further questions or concerns, please feel free to contact me, Carlos Figueroa or Lorenza Escareno at 915-532-5406.

Sincerely,



Carlos Figueroa, P.E.  
President



BOARD OF REGISTRATION FOR THE STATE OF TEXAS PROFESSIONAL ENGINEERS

BE IT KNOWN THAT

*Carlos Figueroa*

HAVING GIVEN SATISFACTORY EVIDENCE OF QUALIFICATIONS REQUIRED BY SEC. 12(a), SENATE BILL NO. 74, ACTS REGULAR SESSION, 45TH LEGISLATURE OF TEXAS IS GRANTED THIS

**CERTIFICATE OF REGISTRATION**

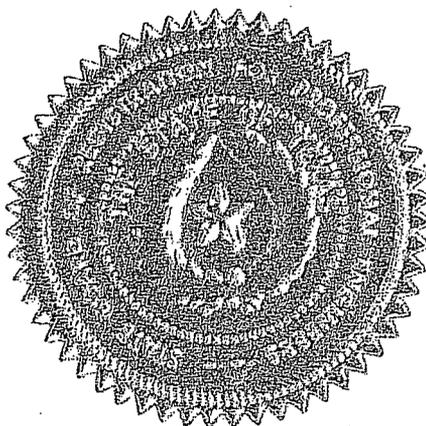
AND IS HEREBY AUTHORIZED TO PRACTICE AS A

**PROFESSIONAL ENGINEER**

SO LONG AS THIS CERTIFICATE IS NOT REVOKED AND IS RENEWED ACCORDING TO LAW

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

IN WITNESS WHEREOF,  
WE HAVE HEREUNTO SET OUR HANDS AND AFFIXED THE SEAL OF THE BOARD AT THE CITY OF AUSTIN, THIS 8TH DAY OF DECEMBER, 1989.



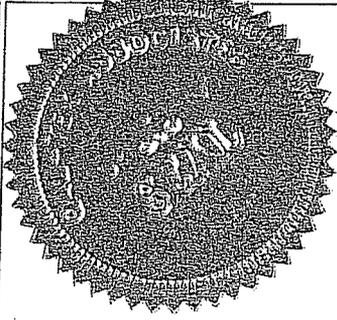
*James Lee Sherman*  
*Joe L. Moore*

CHAIRMAN

SECRETARY

SERIAL NUMBER 66777

# CERTIFICATE OF COMPLETION



PRESENTED BY  
**QAL-TEK ASSOCIATES, L.L.C.**

TO

CARLOS FIGUEROA

FOR HAVING SUCCESSFULLY COMPLETED THE RADIATION SAFETY AND NUCLEAR GAUGE  
USER SAFETY TRAINING IN ACCORDANCE WITH THE REQUIREMENTS OF NUREG 1556 VOL 1,  
10 CFR PARTS 19 & 20, AND DOT HAZMAT REQUIREMENTS IN 49 CFR PART 172.

PRESENTED THIS DAY

SATURDAY NOVEMBER 18 2006

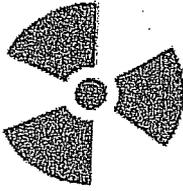
Signature of Trainer

A handwritten signature in black ink, appearing to be "R Pocano".

/ Robert Pocano

Location: Phoenix, AZ

# Certificate of Completion



*This is to certify that*  
**Jorge Ochoa**  
*has completed a course of study in*  
**Portable Nuclear Density/Moisture Gauge Use and Safety Training**  
*dated*  
**January 24, 2008**  
*offered by*  
**American Technical Institute**

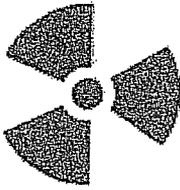
Website: [www.ati.coursehost.com](http://www.ati.coursehost.com)

The course subject matter covers radiation basics, gauge safety, NRC regulations, gauge usage and US DOT 49 CFR 172. Course meets the NRC requirements and is accepted by the Radiological Department of NV

  
 Signature of Licensee's RSO  
 (Verification of closed book test & hands on training)

American Technical Institute  
 5130 S. Ft. Apache Rd. #215-245  
 Las Vegas, Nevada 89148

# Certificate of Completion



*This is to certify that*  
**Gerardo Holguin**  
*has completed a course of study in*  
**Portable Nuclear Density/Moisture Gauge Use and Safety Training**  
*dated*  
**December 10, 2007**  
*offered by*  
**American Technical Institute**

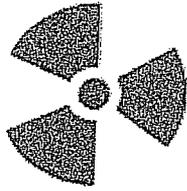
Website: [www.ati.coursehost.com](http://www.ati.coursehost.com)

The course subject matter covers radiation basics, gauge safety, NRC regulations, gauge usage and US DOT 49 CFR 172. Course accepted by the Radiological Department of Nevada

Signature of McDusee's RSO  
(Verification of closed book test & hands on training)

American Technical Institute  
5130 S. Ft. Apache Rd. #215-245  
Las Vegas, Nevada 89148

# Certificate of Completion



*This is to certify that*  
**Lucio Ortiz**  
*has completed a course of study in*  
**Portable Nuclear Density/Moisture Gauge Use and Safety Training**  
*dated*  
**January 24, 2008**  
*offered by*  
**American Technical Institute**

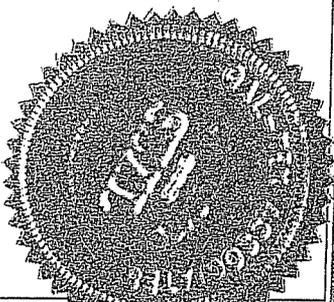
Website: [www.ati.coursehost.com](http://www.ati.coursehost.com)

The course subject matter covers radiation basics, gauge safety, NRC regulations, gauge usage and US DOT 49 CFR 172. Course meets the NRC requirements and is accepted by the Radiological Department of NV.

Signature of Licensee's RSO  
(Verification of closed book test & hands on training)

American Technical Institute  
5130 S. Ft. Apache Rd. #215-245  
Las Vegas, Nevada 89148

# CERTIFICATE OF COMPLETION



PRESENTED BY  
OAL-TEK ASSOCIATES, I.L.C.

TO

CARLOS FIGUEROA III

FOR HAVING SUCCESSFULLY COMPLETED THE RADIATION SAFETY AND NUCLEAR GAUGE  
USER SAFETY TRAINING IN ACCORDANCE WITH THE REQUIREMENTS OF NUREG 1556 VOL 1,  
10 CFR PARTS 19 & 20, AND DOT HAZMAT REQUIREMENTS IN 49 CFR PART 172.

PRESENTED THIS DAY

SATURDAY November 18, 2006

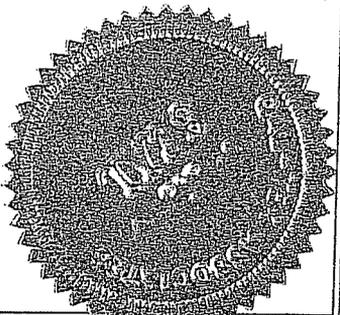
Signature of Trainer

/Robert Pocano

Location:

Phoenix, AZ

# CERTIFICATE OF COMPLETION



PRESENTED BY  
**QAL-TEK ASSOCIATES, I.L.C.**

TO

Carlos Figuevera

FOR HAVING SUCCESSFULLY COMPLETED THE RADIATION SAFETY AND NUCLEAR GAUGE  
USER SAFETY TRAINING IN ACCORDANCE WITH THE REQUIREMENTS OF NUREG 1556 VOL I,  
10 CFR PARTS 19 & 20, AND DOT HAZMAT REQUIREMENTS IN 49 CFR PART 172.

PRESENTED THIS DAY

SATURDAY November 18, 2006

Signature of Trainer

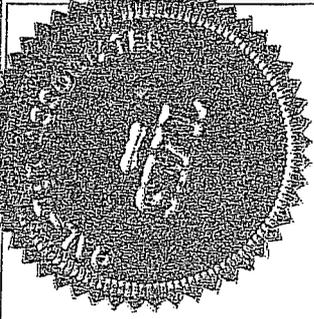
A handwritten signature in black ink, appearing to be "R Pocano", is written over a horizontal line.

/ Robert Pocano

Location:

Phoenix, AZ

# CERTIFICATE OF COMPLETION



PRESENTED BY  
**QAL-TEK ASSOCIATES, L.L.C.**

TO

LORENZA ESCARENO

FOR HAVING SUCCESSFULLY COMPLETED THE RADIATION SAFETY AND NUCLEAR GAUGE  
USER SAFETY TRAINING IN ACCORDANCE WITH THE REQUIREMENTS OF NUREG 1556 VOL I,  
10 CFR PARTS 19 & 20. AND DOT HAZMAT REQUIREMENTS IN 49 CFR PART 172.

PRESENTED THIS DAY

SATURDAY, NOVEMBER 18, 2006

Signature of Trainer

A handwritten signature in dark ink, appearing to be "R. Pocano".

/ Robert Pocano

Location:

Phoenix, AZ

# SOIL MECHANICS INTERNATIONAL

3431 Durazno Avenue  
El Paso, Texas 79905

*last modification: SEPT 2010*

## **Radiation Safety Program**

### **1.0 Management Structure and its responsibilities**

The management's stand on this manual is that it will be used to assist, aid, and guide authorized users with radiation safety. This guide is an outline of methods and procedures for controlling, handling, using, servicing and storing radioactive materials. Management will explain to all workers the facts on how radiation affects the human body and that exposure must be kept as low as possible at all time and any workers not authorized to handle the gauge must still be familiar and acquainted with this radiation safety program.

The radiation safety officer (R.S.O.) will be the resident of this company and will report directly to N.R.C., Texas Department of Health, and local authorities concerning radiation safety matters. The authority level of the R.S.O. will be superseded only by a regulatory agency.

### **2.0 Radiation Safety Officer (R.S.O.)**

Our R.S.O. has completed the Troxler Electronic Laboratories, Inc.'s training program which satisfies the requirements to become R.S.O. The responsibilities of our R.S.O. are as follows:

- 2.1 Insurance of the safe usage of radioactive materials.
- 2.2 Assure compliance with all regulations concerning radioactive materials.
- 2.3 Assure radioactive materials processed are in conformity to materials specified on the license.
- 2.4 Assure that all personnel wear personnel monitoring equipment.
- 2.5 To serve as point of contact in case of an accident.
- 2.6 Assure that all personnel using radioactive materials have had proper training and are certified.
- 2.7 Assure all aspects of the Radiation Safety Manual are being followed.
- 2.8 Maintenance of all records described within this manual.
- 2.9 Keeping a list of current phone numbers of all regulatory agencies that have to be notified in case of emergency.
- 2.9a Assure radioactive materials possessed are stored properly and posting is maintained.

# SMI

## **3.0 Personnel Monitoring**

In our company, TLD (Thermoluminescent Dosimetry) badges will be worn by all occupational exposed employees. These monitoring devices will be worn at all times on the upper torso, somewhere between the beltline and the top of the head. Ideally, we recommend the badge be worn on the waist, supplies by Troxler Radiation Monitoring Services.

## **4.0 Storage of Radioactive Material**

All gauges are stored in an approved and secure storage area. Proper security includes an area with double locked and limited access. An example of our double locked is a lock at the vicinity that houses our gauge storage and an additional lock on the immediate gauge storage room along with an alarm system on both doors.

When removing a gauge from our security area, we make sure that the gauge and gauge case are intact and undamaged. We make sure the sliding block shielding the bottom of the source rod is functional and fully closed.

Our gauge uses always sign the gauge out. Gauge owners and the RSO know the location of each gauge at all times. The person signing out the gauge is personally responsible for its well-being.

A "Notice to Employees" poster is in a public area and a "Radioactive Materials" sign on the storage door.

If changes or quantities occur in the storage location we will need to reevaluate compliance pertaining to public dose limits and security.

Whether transporting the gauge or using the gauge at the worksite always maintain constant surveillance and immediate control of the gauge. Keep unauthorized individuals away from the gauge.

## **5.0 Posting of areas and containers**

The laboratory storage facility is a two lock system where a sign, yellow in color, bearing the words, "CAUTION – RADIOACTIVE MATERIALS" will be posted in clear view, on the access door to the storage room and also on the door to the concrete cubicle inside the storage room. A sign reading the words, "Notice to Employees", TRCR 22.11, will also be posted in these same areas noted above.

The transportation container will have a D.O.T. 7A, Type A information label as required, as well as a "Radioactive Yellow II" label describing the radioactive material within.

# SMI

The gauge will be marked from the factory and those markings will be maintained on the instrument. These labels will include a “Caution – Radioactive Materials” in addition to label bearing the isotope and strength of each of the radioactive materials contained in the gauge.

Inspections will be given to specific materials to assure all posting is present and in proper order. A log sheet of these inspections will be kept by our R.S.O.

The company will also post, on the company bulletin board, a notice of where employees can find the following:

- 5.1 The rules in part 22 and 23 of the Texas Regulations for Control of Radiation (TRCR);
- 5.2 The license, certificate of registration, conditions or documents incorporated into the license or certificate of registration by reference and amendments thereto;
- 5.3 The operating procedures applicable to work under the license or registration;
- 5.4 Any notice of violation involving radiological working conditions, or order issued pursuant to part 11, of TRCR, and any response from the license or registrant; and
- 5.5 A copy of the Texas Regulations for Control of Radiation (Parts 11, 12, 13, 21, 22, 31 thru 36, and 41 thru 45)

## 6.0 Use of Radioactive Material

Nuclear gauge equipment is to be operated by trained and certified personnel only. We will keep a log for each gauge which will indicate the date, the operator, the device, the location at which the gauge will be used, and the operator’s initials. A separate log will be kept in the lab to record when the gauges are taken out or returned to the lab. Guidelines for the safe use of the radioactive materials are as follows:

- 6.1 Do not attempt to operate the equipment unless you have been authorized to do so and have been properly trained.
- 6.2 Keep the source in a “SAFE” or stored position when not in use.
- 6.3 Wear film badges as required by company practice.
- 6.4 All unauthorized personnel should be kept out of the operating area.
- 6.5 Keep the gauge locked when not in use.
- 6.6 Never leave the gauge unattended unless the gauge is properly stored.
- 6.7 The gauge should be returned to its proper storage location when not in use.
- 6.8 Always operate the equipment with the ALARA principle; that is to keep your radiation dose As Low As Reasonably Achievable.
- 6.9 Always the Time, Distance, and Shielding Principle:
  - 6.9a **Time** – The longer a person stays in a radiation field, the great the exposure.
  - 6.9b **Distance** – Radiation exposure decreases drastically over distance.

# SMI

6.9c **Shielding** – Place something between you and the source to stop the radiation.

## 7.0 **Transportation Procedures**

The gauge will be placed in the approved transfer case. This transfer case is located in the cargo area of the truck and is chained to the bed of the truck with two separate chains and two separate locks. One chain and lock running from the tailgate area corner of the truck to the opposite side of the truck. A copy of the source Certificate will be kept with the gauge at all times. When the gauge is being transported, the certificate can be found on the dashboard or visor of the vehicle that is transporting.

## 8.0 **Emergency Procedures**

In the event of physical damage to the gauge, a 6-ft radius will be maintained around the instrument until the extent of damage is determined. If a vehicle is involved, it will be stopped until the extent of contamination can be determined. All unauthorized personnel will be kept from the gauge. The RSO will quickly be contacted.

The RSO will notify the Texas Department of Health, as applicable, local authorities if necessary for protection of personnel, or others, as deemed necessary to assure no unauthorized person or persons are in danger of radiation exposure.

## 9.0 **Records Management**

- 9.1 A quarterly inventory to account for all sealed sources received and possessed under our license will be maintained for inspection.
- 9.2 A leak test performed on each source in our possession at intervals not to exceed six months. Our service company will furnish us with the results of the examination, and will maintain them for inspection.
- 9.3 Reports from the TLD badge service company will be maintained for inspections.
- 9.4 Utilization logs will be maintained for inspection.
- 9.5 All records pertaining to the receipt or disposed of radioactive materials will be maintained. This includes sale and/or transfer to another location. No material will be delivered to an unauthorized or unlicensed agency,
- 9.6 All records pertaining to training of operators will be maintained for review.

Our radiation safety officer (RSO) will maintain these records and will be kept in the office at 3431 Durazno Avenue, El Paso, Texas, 79905. Together with the documents mentioned in section 5.0 of this document.

# SMI

## **10.0 Inspection of Equipment**

A preventative maintenance program for each gauge will be kept. The items our company will inspect and maintain every month are as follows:

- 10.1 Clean cavity beneath source.
- 10.2 Clean bottom plate and check for wear.
- 10.3 Clean sliding tungsten shield
- 10.4 Clean, lubricate and replace the gauge bearings.
- 10.5 Clean safety cap.
- 10.6 Clean and lubricate the index rod
- 10.7 Clean scraper ring
- 10.8 Clean screw heads off base plate
- 10.9 Remove sliding block and clean inside area
- 10.10 Gaskets to be checked for wear

## **11.0 Lost or Stolen Equipment**

- 11.1 Notify Radiation Safety Office (RSO) as soon as possible.
- 11.2 RSO will immediately notify the appropriate regulatory agency (TDSHS) and the gauge manufacturer.
- 11.3 The regulatory agency (TDSHS) will direct us to contact any additional agencies, (law enforcement, etc.), that must be notified.

## **12.0 Waste Disposal**

- 12.1 Transfer the gauge to another properly licensed gauge user or a licensed disposal facility.
- 12.2 Seek assistance from the manufacturer in locating a proper licensed facility.
- 12.3 Notify (TDSHS) of change.

# SOIL MECHANICS INTERNATIONAL

3431 Durazno Avenue  
El Paso, Texas 79905

## Item 10 – RADIATION SAFETY PROGRAM – SURVEY INSTRUMENTS

### 8.10.3 INSTRUMENTS

We possess and use a radiation survey meter, 'TROXALERT' that meets the Criteria in "Radiation Safety Program – Instruments" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001, in the event of an incident.

### 8.10.4 MATERIAL RECEIPT AND ACCOUNTABILITY

Physical inventories are conducted every 6 months to keep account of all sealed sources. In addition, we maintain records of receipt and transfers of gauges.

### 8.10.5 OCCUPATIONAL DOSIMETRY

We maintain documentation on each individual's radiation dose by providing a film badge to each individual. Film badges are exchanged every quarter.

### 8.10.7 OPERATING AND EMERGENCY PROCEDURES

We will implement and maintain the operating and emergency procedures in Appendix H of NUREG-1556, Vol. 1, Rev. 1, 'Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Portable Gauge Licenses,' dated November 2001, and provide copies of these procedures to all gauge users and at each job site.

### 8.10.8 LEAK TESTS

Leak tests will be performed at intervals approved by NRC or an Agreement State and specified in the Sealed Source and Device Registration Sheet. Leak tests will be performed by an organization authorized by NRC or an Agreement State to provide leak testing services to other licensees or using a leak test kit supplied by an organization authorized by NRC or an Agreement State to provide leak test kits to other licensees and according to the kit supplier's instructions.

### 8.10.9 MAINTENANCE

We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions.

BETWEEN:

Accounts Receivable/Payable  
and  
Regional Licensing Branches

[ FOR ARPB USE ]  
INFORMATION FROM LTS

Program Code: 03121  
Status Code: Pending New  
Fee Category: 3P  
Exp. Date:  
Fee Comments:  
Decom Fin Assur Reqd:

**License Fee Worksheet - License Fee Transmittal**

**A. REGION**

1. APPLICATION ATTACHED

Applicant/Licensee: SOIL MECHANICS INTERNATIONAL  
Received Date: 10/06/2010  
Docket Number: 3038396  
Mail Control Number: 573901  
License Number:  
Action Type: New License, existing licensee

2. FEE ATTACHED

Amount: \$1200.00  
Check No.: 15139

3. COMMENTS

Signed: Colleen Murnahan  
Date: 11-16-2010

**B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered / / )**

1. Fee Category and Amount: \_\_\_\_\_

2. Correct Fee Paid. Application may be processed for:

Amendment: \_\_\_\_\_  
Renewal: \_\_\_\_\_  
License: \_\_\_\_\_

3. OTHER \_\_\_\_\_  
\_\_\_\_\_

Signed: \_\_\_\_\_  
Date: \_\_\_\_\_