

NRC FORM 313

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 06/30/2019

(10-2017)  
10 CFR 30, 32,  
33, 34, 35, 36,  
37, 39, and 40APPLICATION FOR  
MATERIALS LICENSE

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 Information Services Branch (T-2 F43), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to [Infocollects.Resource@nrc.gov](mailto: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 CURRENT VOLUMES OF THE NUREG-1556 TECHNICAL REPORT SERIES ("CONSOLIDATED GUIDANCE ABOUT MATERIALS LICENSES") FOR DETAILED INSTRUCTIONS FOR COMPLETING THIS FORM: <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/>. SEND TWO COPIES OF THE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

## APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

MATERIALS SAFETY LICENSING BRANCH  
DIVISION OF MATERIAL SAFETY, STATE, TRIBAL AND RULEMAKING PROGRAMS  
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS  
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  
2100 RENAISSANCE BOULEVARD, SUITE 100  
KING OF PRUSSIA, PA 19406-2713

## 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

## IF YOU ARE LOCATED IN:

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  
1600 E. LAMAR BOULEVARD  
ARLINGTON, TX 76011-4511

Br. 2

03038028

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

09-31368-01

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

Universal Engineering Sciences, Inc  
3532 Maggie Blvd  
Orlando, FL 32811

## 3. ADDRESS WHERE LICENSED MATERIALS WILL BE USED OR POSSESSED

See attached list of  
offices / storage locations

## 4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Jim Lewis

## BUSINESS TELEPHONE NUMBER

(407) 423-0504

## BUSINESS CELLULAR TELEPHONE NUMBER

## BUSINESS E-MAIL ADDRESS

jlewis@universalengineering.com

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.

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

## 9. FACILITIES AND EQUIPMENT.

## 10. RADIATION SAFETY PROGRAM.

## 11. WASTE MANAGEMENT.

12. LICENSE FEES (Fees required only for new applications, with few exceptions\*)  
(See 10 CFR 170 and Section 170.31)

\*Amendments/Renewals that increase the scope of the existing license to a new or higher fee category will require a fee.

FEE  
CATEGORY

3 P

AMOUNT  
ENCLOSED \$

8600.00

PER THE DEBT COLLECTION IMPROVEMENT ACT OF 1996 (PUBLIC LAW 104-134), YOU ARE REQUIRED TO PROVIDE YOUR TAXPAYER IDENTIFICATION NUMBER. PROVIDE THIS INFORMATION BY COMPLETING NRC FORM 531: <https://www.nrc.gov/reading-rm/doc-collections/forms/nrc531info.html>.

## 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, 37, 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

Mr. Mark Israel President

## SIGNATURE

## DATE

4/26/19

## FOR NRC USE ONLY

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

612075

NRC FORM 313 (10-2017)

REC'D IN LAT 5-3-19

NMSS/RGN1 MATERIALS-002



# UNIVERSAL ENGINEERING SCIENCES

Consultants In: Geotechnical Engineering • Environmental Sciences  
Geophysical Services • Construction Materials Testing • Threshold Inspection  
Building Inspection • Plan Review • Building Code Administration

## LOCATIONS:

- Atlanta
- Daytona Beach
- Fort Myers
- Fort Pierce
- Gainesville
- Jacksonville
- Miami
- Ocala
- Orlando (Headquarters)
- Palm Coast
- Panama City
- Pensacola
- Rockledge
- Sarasota
- Tampa
- Tifton
- West Palm Beach

4/17/19

Licensing Assistance Team  
Division of Nuclear Materials Safety  
U.S. Nuclear Regulatory Commission, Region 1  
2100 Renaissance Blvd., Suite 100  
King of Prussia, PA 19406-2713

To Whom It May Concern:

Thank you in advance for your assistance with renewing our license. Our company wishes to renew our Material License for the use of portable gauges used for the purpose of density and moisture properties testing of soils, road base materials, asphalt, and other construction materials at temporary jobsites anywhere in the United States where U.S. Nuclear Regulatory Commission maintains jurisdiction.

### Company Overview

Our company has been in business since 1964. We perform Geotechnical and Environmental Engineering and perform construction material testing, inspections, and quality control / quality assurance services. Our corporate office is located in Orlando, Florida and we have branch offices throughout the state of Florida, two offices in Georgia, and a recently opened office in Chantilly, Virginia. A list of offices is attached.

Each office has their own state Radioactive Materials License thru the applicable state agency. Per the requirements of the state of Florida, state of Georgia, and state of Virginia each office state license has their own RSO – Radiation Safety Officer.

For the NRC Material License, the portable gauge and radiation safety program is managed and administrated from our corporate office located in Orlando, Florida. Jim Lewis, our Corporate Safety Director is our Radiation Safety Officer – RSO. Each branch office will continue to have their state license required RSO performing the day-to-day management of the portable gauge and radiation safety program. In the near future the NRC Materials License RSO duties and responsibilities will be reassigned to David Drawdy. Mr. Drawdy has extensive experience with gauge operation, safety, calibration, inspections, inventory management, and minor repairs.

### **Radioactive Materials**

The radioactive material sources to be possessed in our portable gauges are listed in the attached **Portable Gauge Inventory spreadsheet**. The spreadsheet contains all gauges currently owned and used in the field by our employee field technicians. For our work activities both on and off NRC jurisdiction properties there is generally no more than one portable gauge on a job site at any given time. For a larger project such as a DOT roadway project with multiple work zone areas there may be two gauges on the site at any given time. There is never more than one gauge with any field technician.

### **Purpose(s) For Which Material Will Be Used**

The portable gauges are used to measure the density and moisture properties of soil, sands, various road base materials, and asphalt used in the construction of roads, parking lots, building foundation pads, home pads, airport runways, rail road rail base material, and underground utility installation applications.

We also have two portable gauges which are used to detect and measure lead content in paint.

### **Individual(s) Responsible for Radiation Safety Program and Training Experience**

The Radiation Safety Officer – RSO for the NRC Material License is Jim Lewis. Mr. Lewis is our Safety Director. Mr. Lewis has 29 years of risk management and safety experience in the construction, transportation, and manufacturing industries. He has been employed with our company since 2001. Since each office has their own state license RSO the corporate RSO is an oversight position with the purpose of ensuring each office meets their state license requirements.

Mr. Lewis completed the Radiation Safety Officer training course on 6/20/2001 through Troxler Electronic Laboratories. The RSO course Certificate of Completion is attached. With an RSO at each office I have no need to transport portable gauges therefore the HazMat transportation refresher training has not been completed in several years.

### **Training for Individuals Working in or Frequenting Restricted Areas**

All work performed by our company using portable gauges is performed by our employees. We do not use subcontractors or leased employees for our material testing, inspection, monitoring, and quality control / assurance work. All employees who use and transport portable gauges have successfully completed the Nuclear Gauge Safety Training Program and the training required by 49CFR172, Subpart H for the labeling of protective shipping containers, preparation of gauges and containers for transport, the

transportation of shipping containers and gauges, regulatory compliance, emergency response, personal protection and accident avoidance. Newly hired employees must prove their training by providing an original course completion certificate for both courses. Subsequent training for the HazMat Transportation training required by 49CFR172, Subpart H is required to be completed no less than every three years (36 months).

We use APNGA – American Portable Nuclear Gauge Association for on-line training and Troxler Laboratories for classroom setting training for both courses.

In addition to the prior described training, there is periodic training provided by the RSO at each office through employee meetings, memos, and one-on-one training provided by the supervisors and/or lead employees. Company-wide training and education topics are disseminated to the RSO's and employee gauge users via memos with topics including timely issues of concern, new regulations, new company policies, and the like.

Refresher Nuclear Gauge Safety training is required when an employee exhibits a lack of understanding of portable gauge operation, safety, security, and transportation safety. Our most common infractions involve employees neglecting to double lock the shipping transportation container or walking away from a gauge when in use. When infractions or concerns are observed or reported to us we address the issue(s) with the employee through counseling / coaching, disciplinary actions, and often times require the employee to re-take the gauge safety course. With the APNGA on-line courses training and re-training is available at the click of a mouse. We pre-purchase 75 – 100 training seat / licenses in advance a few times each year so the courses are readily available as needed.

Project site specific training is provided to our employees for issues such as site security, privacy & confidentiality issues, site concerns & hazards, and site protocols.

### **Facilities and Equipment**

Due to the nature of our projects and the close proximity of our projects to our offices all portable gauges are required to be stored at our branch offices which under our state licenses are our permanent designated storage facilities. No temporary storage of portable gauges has occurred or is expected on NRC jurisdiction properties. If temporary storage of a portable gauge on NRC jurisdiction arises this will be reported to the NRC for review and approval. At all offices gauges are stored in separate rooms or lockers / cabinets with locks. All storage rooms at all offices have been reviewed by and approved by the applicable state agency. At this time, we have no unaddressed or outstanding issues or concerns with gauge storage, storage rooms, or storage practices.

## **Radiation Safety Program**

Radiation survey meters are readily available for our use through a number of portable gauge maintenance and repair vendors located throughout Florida, Georgia, and Virginia including Troxler Electronic Laboratories and Atlantic Drilling Supply. Company-wide we own approximately three radiation survey meters which are shared amongst our offices as needed. The meters meet the criteria in the section entitled "Radiation Safety Program – Instruments" in NUREG-1556.

Physical inventories and inspections of our gauges are conducted by the RSO at each office on an on-going basis. Oversight of each office RSO is conducted by the Construction Services Department Manager at each office and the Corporate RSO / Safety Director on varied frequencies and formality. There are a few RSO's who informally "spot check" their gauges daily, others who spot check their gauges at least once a week to once a month, and some who conduct inventories every few months. Formal inventories and audits are conducted no less than every six months by the RSO at each office.

Occupational dosimetry for all offices for all portable gauge users is conducted through personnel dosimetry monitoring using personnel whole-body badges processed and evaluated by an NVLAP approved lab on a pre-designated exchange frequency recommended by the processor for their badge product. We use Mirion Technologies and our exchange frequency is quarterly. Exposure to portable gauge sources at our temporary project sites is limited to our employee technician who is operating the portable gauge while wearing a personnel dosimetry monitoring badge.

Public dose exposure levels for areas where our portable gauges are stored at our offices are routinely evaluated in public dose studies using survey meters.

All offices have implemented, maintained, and disseminated to all portable gauge users Operating and Emergency Procedures including transportation safety and security precautions. Each operator receives a copy of the procedures to keep in their truck as well as a copy is maintained in the portable gauge transportation shipping container. Copies of our procedures are provided to clients and site safety & security officers to keep at their job sites upon request. Our procedures meet and possibly exceed the procedures in Appendix H of NUREG-1556.

Leak testing for all portable gauges is performed by the RSO at each office or certified licensed gauge sales & service vendors including Troxler Laboratories and Atlantic Drilling Supply. The RSO is qualified and authorized to perform leak testing through training and experience. On occasion, a gauge may be at the manufacturer or an authorized gauge repair company for calibration and/or repairs and the leak testing is performed there during the service / repair. The manufacturers and authorized repair companies are authorized by the Agreement States of Florida and Georgia to perform leak testing and calibration. Portable gauges are leak tested on the frequency specified in the Sealed Source and Device Registration sheet. We have models which are leak tested

annually and models which are leak tested every six months. Leak test kits are purchased from the gauge manufacturers or organizations authorized by the manufacturers which are authorized by the Agreement States.

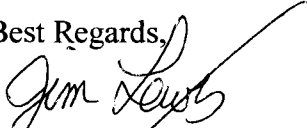
Gauge calibration is performed at least annually by Troxler Laboratories or Atlantic Drilling Supply or LTS – Laboratory Technical Services.

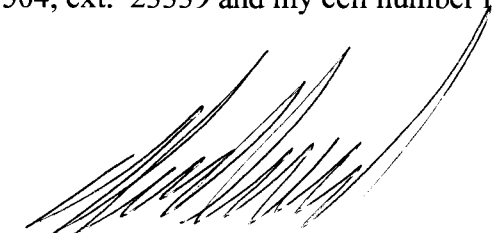
Portable gauge cleaning, lubrication, routine maintenance, and inspections is performed by the RSO at each office and by David Drawdy who is our Quality Systems Manager. Mr. Drawdy is a full-time employee who inspects and performs routine maintenance as necessary. All cleaning, lubrication, and routine maintenance is performed to each manufacturer's recommendations and instructions.

Non-routine maintenance, repairs, and source disposal is performed by the portable gauge manufacturers or an organization authorized by the manufactures' which are authorized by the Agreement State. We never perform work on the rod or source.

In closing I would like to thank you in advance for your assistance with our license renewal process. A check for the license fee for Fee Category 3 P is enclosed along with various attachments. Please let me know if you have any questions or need additional materials. My office phone number is (407) 423-0504, ext. 23339 and my cell number is (321) 287-1491.

Best Regards,

  
Jim Lewis  
Safety Director  
Corporate RSO



Mark C. Israel, PE  
President

## LOCATIONS AND CONTACT INFORMATION

CORPORATE OFFICERS, DIRECTORS & MANAGERS			
<b>OFFICERS</b> <b>Seymour D. Israel</b> Chairman/Chief Executive Officer <b>Mark C. Israel, PE</b> President/COO <b>R. Kenneth Derick, MS, PE</b> Senior Vice President <b>Melvin Rodriguez</b> Secretary	<b>VICE PRESIDENTS</b> <b>Rick Kushner, MS, PE</b> Vice President <b>Jeffrey Pruett, PE</b> Vice President <b>Fred J. Schmalzer, PE, SI</b> Vice President Construction Services <b>Mark Hardy, PE</b> Vice President	<b>VP's/DIRECTORS</b> <b>Joseph Casha</b> VP Sales & Marketing <b>Melvin Rodriguez</b> VP Finance <b>John J. McKenna</b> VP Human Resources <b>John Barker, PE, PG</b> VP/Director, Chief Engineer	<b>DIRECTORS</b> <b>Jeffrey Mayer, PHR</b> Director of Human Resources <b>Noel Arriola</b> Director of Information Technology <b>James Lewis</b> Director of Safety, Risk Manager, Fleet Manager <b>Rich Carman, MS</b> Dir. of Environmental Services
REGIONAL OFFICES			
<b>ATLANTA, GA</b> <b>Richard Kushner, MS, PE</b> (Regional Manager, Vice Pres.) <b>Thomas Tye, MS, PE</b> (Branch Manager) 3040 Business Park Dr., Suite F Norcross, GA 30071 P: 770.242.6438 F: 770.242.6980	<b>TIFTON, GA</b> <b>Jeffrey Pruett, PE</b> (Regional Manager, Vice President) <b>William Faircloth, PE</b> (Branch Manager) 1203 N. Central Ave., Suite 3 Tifton, GA 31794 P: 229.834.5330	<b>DAYTONA BEACH, FL</b> <b>Richard Kushner, MS, PE</b> (Regional Manager, Vice Pres.) <b>Brian Pohl, PE</b> (Branch Manager) 911 Beville Road, Suite 3 South Daytona, FL 32119 P: 386.756.1105 F: 386.760.4067	<b>JACKSONVILLE, FL</b> <b>Richard Kushner, MS, PE</b> (Regional/Branch Manager) <b>Jeffrey Pruett, PE</b> (Regional/Branch Manager) 5561 Florida Mining Blvd. So. Jacksonville, FL 32257 P: 904.296.0757 F: 904.296.0748
<b>PALM COAST, FL</b> <b>Richard Kushner, MS, PE</b> (Regional Manager, Vice Pres.) <b>Matthew McLeer, PE</b> (Branch Manager) * 4 Hargrove Grade, Suite A Palm Coast, FL 32137 P: 386.986.2122 F: 386.986.2095 <i>* No gauge Storage</i>	<b>SARASOTA, FL</b> <b>Lindsey Weaver, PE</b> (Regional Manager) <b>Robert Gomez, PE</b> (Branch Manager) 1748 Independence Blvd. Suite B-1 Sarasota, FL 34234 P: 941.358.7410 F: 941.358.7353	<b>FORT MYERS, FL</b> <b>Lindsey Weaver, PE</b> (Regional/Branch Manager) 5971 Country Lakes Drive Fort Myers, FL 33905 P: 239.995.1997 F: 239.313.2347	<b>MIAMI, FL</b> <b>Peter Read, PE</b> (Regional Manager) <b>Reinaldo "Rey" Villa, MS, PE</b> (Branch Manager) 9960 NW 116th Way, Suite 8 Medley, FL 33178 P: 305.249.8434 F: 305.249.8479
<b>PANAMA CITY, FL</b> <b>Jeffrey Pruett, PE</b> (Regional Manager/Sales) <b>Keith Butts, PE</b> (Reg. Mgr./Operations) <b>Brandon Tarr, EI</b> (Branch Manager) 1712 Airport Road Panama City, FL 32405 P: 850.215.2060 F: 850.215.2360	<b>ST. PETERSBURG, FL</b> <b>Robert Gomez, PE</b> (Branch Manager) 5520 Haines Road St. Petersburg, FL 33714 P: 727.209.1500 F: 727.209.1428	<b>FORT PIERCE, FL</b> <b>Richard Hoaglin, PE</b> * (Regional/Branch Mgr.) 845 South Kings Highway Ft. Pierce, FL 34945 P: 772.461.9815 F: 772.461.9816 <i>* No Gauge Storage</i>	<b>OCALA, FL</b> <b>Jeffrey Pruett, PE</b> (Regional Manager) <b>Keith Butts, PE</b> (Regional/Branch Manager) 1417 Southwest 15th Avenue Ocala, FL 34471 P: 352.401.9633 F: 352.336.7914
<b>PENSACOLA, FL</b> <b>Jeffrey Pruett, PE</b> (Regional Manager/Sales) <b>Keith Butts, PE</b> (Reg. Mgr./Operations) <b>William Faircloth, PE</b> (Branch Manager) 1985 Cope Lane Pensacola, FL 32526 P: 850.944.5555 F: 850.944.5885	<b>TAMPA, FL</b> <b>Mark Hardy, PE</b> (Regional Manager) <b>Meagen Gonzalez, PG</b> (Branch Manager) 9802 Palm River Road Tampa, FL 33619-4438 P: 813.740.8506 F: 813.740.8706	<b>GAINESVILLE, FL</b> <b>Jeffrey Pruett, PE</b> (Regional Manager) <b>Keith Butts, PE</b> (Regional/Branch Mgr.) 4475 Southwest 35th Terr. Gainesville, FL 32608 P: 352.372.3392 F: 352.336.7914	<b>ORLANDO, FL</b> <b>R. Kenneth Derick, MS, PE</b> (Regional/Branch Manager) 3532 Maggie Boulevard Orlando, FL 32811-6697 P: 407.423.0504 F: 407.423.3106 <b>(CORPORATE HEADQUARTERS)</b>
<b>ROCKLEDGE, FL</b> <b>Richard Hoaglin, PE</b> (Regional/Branch Manager) 820 Brevard Avenue Rockledge, FL 32955 P: 321.638.0808 F: 321.638.0978	<b>WEST PALM BEACH, FL</b> <b>Peter Read, PE</b> (Regional/Branch Manager) 1818 7th Avenue North Unit 1 Lake Worth, FL 33461 P: 561.540.6200 F: 561.540.6242	<b>Hagerstown, MD</b> <b>Jeffrey Pruett, PE</b> (Regional Manager) <b>Naseer Nayeem, PE, MBA</b> * (Regional/Branch Mgr.) 207 South Potomac, Hagerstown, Maryland 21740 P: 703.652.5111 F: 571.444.6090 <i>* No gauge Storage</i>	<b>DC Metro Office</b> <b>Jeffrey Pruett, PE</b> (Vice President, Regional Manager, Branch Manager) 14221-B Willard Road Suite 700 Chantilly, Virginia 20151 P: 904.296.0757 F: 904.296.0748

# *Certificate of Completion*

**This certifies that**

**Jim Lewis**

**has successfully completed the**

*Troxler Radiation Safety Officer Course*

**conducted by the training department of**

*Troxler Electronic Laboratories, Inc.*

*Harvey Dunlevy*  
Harvey Dunlevy

**Instructor**

June 20, 2001

**Date**

William F. Troxler, Jr.

**President**







UNIVERSAL ENGINEERING SCIENCES, INC.  
PORTABLE GAUGE INVENTORY

GAUGE INFORMATION				Cs-137 NUCLIDE SOURCE INFORMATION				Am 241:Be NUCLIDE SOURCE INFORMATION				GAUGE ADMINISTRATION						
UES Office	Manufacturer	Model No.	Gauge Serial No.	Cs-137 Nuclide	Drawing/Model No.	Cs Source Serial No.	Cs Source Activity In mCi	Cs Source Activity Date	Am 241:Be Nuclide	Drawing/Model Number	Am Source Serial No.	Am Source Activity In mCi	Am Source Activity Date	Annual Gauge Inspection Date	Date of last full test	Date of last calibration	Gauge storage location	Notes
UES Office	Troxler	3411-B	123456	Cs-137	A-102112	40-3456	8 mCi	9/23/1978	Am 241:Be	A-102451	48-2345	40 mCi	8/23/1978	2/11/19 J. Lewis	1/24/19 J. Lewis	1/18/2019	Orlando Office	Sample Notes
Atlanta	Troxler	3430	38647	Cs-137	102112	77-5822	8mCi	9/25/2006	Am 241:Be	102451	78-3389	40 mCi	9/29/2006	1/18/2019	4/4/2019	4/4/2019	Norcross, GA	
Atlanta	Troxler	3430	35709	Cs-137	102112	77-2774	8mCi	5/12/2004	Am 241:Be	102451	78-694	40 mCi	7/7/2004	1/18/2019	10/26/2018	9/12/2018	Norcross, GA	
Atlanta	Troxler	3440	26061	Cs-137		75-9089	8mCi	2/6/1986	Am 241:Be		47-22440	40 mCi	3/21/1996	1/18/2019	10/14/2018	10/12/2018	Norcross, GA	
Daytona	Troxler	3430	15109	Cs-137	102112	50-3950	8 mCi	9/18/1987	Am 241:Be	102451	47-14588	40 mCi	9/16/1987	2/4/2019	3/29/2019	3/29/2019	Daytona, Florida	Temp out of Service
Daytona	Troxler	3430	35425	Cs-137	102112	77-2533	8 mCi	9/19/2004	Am 241:Be	102451	78-489	40 mCi	9/22/2004	2/4/2019	9/17/2018	9/18/2018	Daytona, Florida	
Daytona	Troxler	3430	35424	Cs-137	102112	77-2521	8 mCi	4/22/2004	Am 241:Be	102451	47-488	40 mCi	4/19/2004	2/4/2019	9/17/2018	11/27/2018	Daytona, Florida	
Daytona	Troxler	3440	30827	Cs-137	102112	750-5417	8 mCi	8/3/1999	Am 241:Be	102451	47-8688	40 mCi	11/13/1985	2/4/2019	3/29/2019	2/23/2018	Daytona, Florida	
Daytona	Troxler	3440	31313	Cs-137	102112	750-5997	8 mCi	9/9/1999	Am 241:Be	102451	47-28337	40 mCi	12/29/1998	2/4/2019	12/26/2018	9/27/2018	Daytona, Florida	
Daytona	Troxler	3430	35917	Cs-137	102112	77-3019	8 mCi	9/15/2004	Am 241:Be	102451	78-894	40 mCi	8/16/2004	2/4/2019	12/26/2018	6/14/2018	Daytona, Florida	
Daytona	Troxler	3430	34706	Cs-137	102112	77-1712	8 mCi	7/1/2003	Am 241:Be	102451	47-30199	40 mCi	12/4/2001	2/4/2019	3/29/2019	1/29/2018	Daytona, Florida	
Daytona	Troxler	3430	35906	Cs-137	102112	77-2920	8 mCi	10/15/2004	Am 241:Be	102451	78-883	40 mCi	8/16/2004	2/4/2019	10/31/2018	11/1/2018	Daytona, Florida	
Daytona	Troxler	3420P	70686	Cs-137	102112	77-14569	8 mCi	6/26/2015	Am 241:Be	102451	78-10176	40 mCi	6/3/2015	2/4/2019	10/31/2018	11/1/2018	Daytona, Florida	
Ft. Myers	Troxler	3411	12462	Cs-137	102112	50-0715	8 mCi		Am 241:Be	102451	47-7742	40 mCi		9/7/2018	4/15/2019	4/15/2019	Ft Myers, Florida	
Ft. Myers	Troxler	3430	26648	Cs-137	102112	75-9648	8 mCi		Am 241:Be	102451	47-23115	40 mCi		9/7/2018	6/15/2018	6/15/2018	Ft Myers, Florida	
Ft. Myers	Troxler	3430	22580	Cs-137	102112	75-4314	8 mCi		Am 241:Be	102451	47-18422	40 mCi		9/7/2018	3/4/2019	3/4/2019	Ft Myers, Florida	
Ft. Myers	Troxler	3411	11143	Cs-137	102112	40-8645	8 mCi		Am 241:Be	102451	47-6545	40 mCi		9/7/2018	11/5/2018	11/5/2018	Ft Myers, Florida	
Ft. Myers	Troxler	3440	36995	Cs-137	102112	77-4082	8 mCi	6/30/2005	Am 241:Be	102451	78-1862	40 mCi	7/11/2005	9/7/2018	6/10/2019	6/10/2019	Ft Myers, Florida	
Ft. Myers	Troxler	3411	18168	Cs-137	102112	750-3438	8 mCi		Am 241:Be	102451	47-13617	40 mCi		9/7/2018	6/15/2018	6/15/2018	Ft Myers, Florida	
Ft. Myers	Troxler	3440	38748	Cs-137	102112	77-6129	8 mCi	1/9/2007	Am 241:Be	102451	78-3502	40 mCi	9/29/2006	9/7/2018	2/8/2019	2/8/2019	Ft Myers, Florida	
Tifton	1 Troxler	3430	35593	Cs-137	A-102112	78-445	8 mCi		Am 241:Be	A-102451	77-2484	40 mCi		1/18/2019	11/21/2018	11/13/2018	Tifton, GA	
Tifton	2 Troxler	3440	30034	Cs-137	A-102112	750-4531	8 mCi		Am 241:Be	A-102451	750-4531	40 mCi		1/18/2019	12/26/2018	12/18/2018	Tifton, GA	
Gainesville	1 Troxler	3440	39044	Cs-137	102112	77-6498	8 mCi	3/7/2008	Am 241:Be	102451	78-3828	40 mCi	2/19/2007	1/7/2019	1/25/2019	8/28/2018	Gainesville Office	
Gainesville	2 Troxler	3440	29794	Cs-137	102112	750-4050	8 mCi	9/24/1998	Am241:Be	102451	47-26646	40 mCi	4/1/1998	1/7/2019	1/25/2019	4/11/2018	Gainesville Office	Scheduled for calibration
Gainesville	3 Troxler	3440	22328	Cs-137	102112	75-4011	8 mCi	4/15/1993	Am241:Be	102451	47-17980	40 mCi	1/19/1993	1/7/2019	2/15/2019	4/19/2019	Gainesville Office	
Gainesville	4 Troxler	3440	25886	Cs-137	102112	75-8870	8 mCi	1/24/2006	Am241:Be	102451	47-22265	40 mCi	11/15/1995	1/7/2019	1/25/2019	2/15/2019	Gainesville Office	
Gainesville	5 Troxler	3440	38747	Cs-137	102112	77-6128	8 mCi	1/9/2007	Am241:Be	102451	78-3501	40 mCi	9/29/2006	1/7/2019	1/25/2019	3/9/2018	Gainesville Office	
Gainesville	6 Troxler	3440	29465	Cs-137	102112	750-3719	8 mCi	4/1/1998	Am241:Be	102451	47-26412	40 mCi	2/26/1998	1/7/2019	1/25/2019	6/29/2018	Gainesville Office	
Gainesville	7 Troxler	3440	15120	Cs-137	102112	50-3962	8 mCi	9/18/1987	Am241:Be	102451	47-10599	40 mCi	9/16/1987	1/7/2019	1/25/2019	4/19/2019	Gainesville Office	
Gainesville	8 Troxler	3440	21223	Cs-137	102112	75-2713	8 mCi	2/18/1992	Am241:Be	102451	47-17706	40 mCi	3/16/1992	1/7/2019	1/25/2019	4/11/2018	Gainesville Office	Being sent for calibration
Gainesville	9 Troxler	3440	36919	Cs-137	102112	77-3983	8 mCi	5/25/2005	Am241:Be	102451	78-1776	40 mCi	6/22/2005	1/7/2019	1/25/2019	8/24/2018	Gainesville Office	
Gainesville	10 Troxler	3440	37828	Cs-137	102112	77-5159	8 mCi	5/15/2006	Am241:Be	102451	78-2604	40 mCi	5/11/2006	1/7/2019	1/25/2019	4/27/2018	Gainesville Office	
Jacksonville ENV LPA-1	RMD	LPA-1	1972	Co-57	A3901-2	P4-496	12 mCi	5/11/2017	N/A	N/A	N/A	N/A	N/A	4/3/2019	4/23/2019	5/11/2017	Jacksonville, FL	
Jacksonville	1 Troxler	3430	26745	Cs-137	A-102112	75-9880	8 mCi		Am 241:Be	A-102451	47-23220	40 mCi		3/11/2019 J. Hoff	9/19/2018	5/4/2018	Jacksonville, FL	
Jacksonville	2 Troxler	3430	27225	Cs-137	A-102112	750-962	8 mCi		Am 241:Be	A-102451	47-23743	40 mCi		3/11/2019 J. Hoff	4/12/2019	8/21/2018	Jacksonville, FL	
Jacksonville	3 Troxler	3430	30166	Cs-137	A-102112	750-4421	8 mCi		Am 241:Be	A-102451	47-27318	40 mCi		3/11/2019 J. Hoff	5/18/2018	5/21/2018	Jacksonville, FL	
Jacksonville	4 Troxler	3430	29364	Cs-137	A-102112	750-2588	8 mCi		Am 241:Be	A-102451	47-25217	40 mCi		3/11/2019 J. Hoff	1/11/2019	1/14/2019	Jacksonville, FL	
Jacksonville	5 Troxler	3430	31852	Cs-137	A-102112	750-6795	8 mCi		Am 241:Be	A-102451	47-2884	40 mCi		3/11/2019 J. Hoff	3/2/2019	4/16/2018	Jacksonville, FL	Out for Calibration
Jacksonville	6 Troxler	3430	32304	Cs-137	A-102112	750-7679	8 mCi		Am 241:Be	A-102451	47-6592	40 mCi		3/11/2019 J. Hoff	4/12/2019	4/13/2018	Jacksonville, FL	Out for calibration
Jacksonville	7 Troxler	3430	32229	Cs-137	A-102112	750-7369	8 mCi		Am 241:Be	A-102451	47-28561	40 mCi		3/11/2019 J. Hoff	4/12/2019	9/27/2018	Jacksonville, FL	
Jacksonville	8 Troxler	3430	34219	Cs-137	A-102112	752-103	8 mCi		Am 241:Be	A-102451	47-29644	40 mCi		3/11/2019 J. Hoff	9/19/2018	9/27/2018	Jacksonville, FL	
Jacksonville	9 Troxler	3430	34220	Cs-137	A-102112	752-104	8 mCi		Am 241:Be	A-102451	47-29645	40 mCi		3/11/2019 J. Hoff	5/1/2018	5/1/2018	Jacksonville, FL	
Jacksonville	10 Troxler	3430	34270	Cs-137	A-102112	751-309	8 mCi		Am 241:Be	A-102451	47-29860	40 mCi		3/11/2019 J. Hoff	5/3/2018	5/3/2018	Jacksonville, FL	
Jacksonville	11 Troxler	3430	34708	Cs-137	A-102112	77-1714	8 mCi		Am 241:Be	A-102451	47-30201	40 mCi		3/11/2019 J. Hoff	10/29/2018	11/8/2018	Jacksonville, FL	
Jacksonville	12 Troxler	3430	37281	Cs-137	A-102112	77-4406	8 mCi		Am 241:Be	A-102451	78-2076	40 mCi		3/11/2019 J. Hoff	4/12/2018	1/16/2018	Jacksonville, FL	Out for Calibration
Jacksonville	13 Troxler	3430	60385	Cs-137	A-102112	77-7471	8 mCi		Am 241:Be	A-102451	47-17675	40 mCi		3/11/2019 J. Hoff	5/1/2018	5/3/2018	Jacksonville, FL	
Jacksonville	14 Troxler	3430	39660	Cs-137	A-102112	77-7209	8 mCi		Am 241:Be	A-102451	78-4390	40 mCi		3/11/2019 J. Hoff	4/12/2019	4/16/2018	Jacksonville, FL	Out for Calibration
Jacksonville	15 Troxler	3440	20412	Cs-137	A-102112	75-1768	8 mCi	6/20/1991	Am 241:Be	A-102451	47-15890	40 mCi	4/23/1991	3/11/2019 J. Hoff	1/11/2019	1/14/2019	Jacksonville, FL	
Jacksonville	16 Troxler	3430	34686	Cs-137	A-102112	77-1692	8 mCi	1/7/2002	Am 241:Be	A-102451	47-30246	40 mCi	5/2/2002	3/11/2019 J. Hoff	5/1/2018	5/1/2018	Jacksonville, FL	
Jacksonville	17 Troxler	3440	20388	Cs-137	A-102112	75-1738	8 mCi	3/7/1991	Am 241:Be	A-102451	47-15866	40 mCi	2/15/1991	3/11/2019 J. Hoff	4/12/2019	1/18/2018	Jacksonville, FL	Out for Calibration
Jacksonville	18 Troxler	3440	20408	Cs-137	A-102112	75-1761	8 mCi	6/20/1991	Am 241:Be	A-102451	47-15886	40 mCi	2/15/1991	3/11/2019 J. Hoff	4/12/2019	4/16/2018	Jacksonville, FL	Out for Calibration
Jacksonville	19 CPN	MC3	M381186	Cs-137	CPN-131	M38118616	10 mCi	11/30/1988	Am 241:Be	CPN-131	A8616	50 mCi	11/30/1988	3/11/2019 J. Hoff	4/12/2019	8/20/2019	Jacksonville, FL	Temporarily Out of Service
Jacksonville	20 Troxler	3430P	70715	Cs-137	A-102112	77-14593	8 mCi	6/26/2015	Am 241:Be	A-102451	78-10200	40 mCi	6/26/2015	3/11/2019 J. Hoff	10/29/2018	11/8/2018	Jacksonville, FL	
Jacksonville	21 Troxler	3430P	70716	Cs-137	A-102112	77-14594	8 mCi	6/26/2015	Am 241:Be	A-102451	78-10201	40 mCi	6/26/2015	3/11/2019 J. Hoff	10/1/2018	10/5/2018	Jacksonville, FL	
Jacksonville	22 Troxler	3430	30046	Cs-137	A-102112	750-4558	8 mCi		Am 241:Be	A-102451	47-27041	40 mCi		3/11/2019 J. Hoff	12/6/2018	12/7/2018	Jacksonville, FL	
Jacksonville	23 Troxler	3430	31662	Cs-137	A-102112	750-6529	8 mCi		Am 241:Be	A-102451	47-28383	40 mCi		3/11/2019 J. Hoff	7/2/2018	7/10/2018	Jacksonville, FL	
Jacksonville	24 Troxler	3430	36342	Cs-137	A-102112	77-3507	8 mCi		Am 241:Be	A-102451	78-1148	40 mCi		3/11/2019 J. Hoff	7/2/2018	7/10/2018	Jacksonville, FL	
Ocala	1 Troxler	3440	17564	Cs-137	102112	50-7001	8 mCi	7/24/1989	AM241 Be	102451	47-12993	40 mCi	5/10/1989	1/7/2019	1/25/2019	1/3/2018	Ocala, FL	
Ocala	2 Troxler	3440	19364	Cs-137	102112	50-9028	8 mCi	12/31/1990	AM241 Be	102451	47-14825	40 mCi	12/31/1990	1/7/2019	1/25/2019	5/4/2018	Ocala, FL	
Ocala	3 Troxler	3440	28416	Cs-137	102112													

Orlando CSD DEPT		Troxler	3440	19454	CS-137	RBA 10251	50-9129	8 mCi	7/20/1990	AM241 Be		RBA 10880	47-14925	40 mCi	7/12/1990	3/28/2019	11/2/2018	9/5/2018	Orlando, Florida	
Orlando CSD DEPT		Troxler	3430 P	75124	CS-137	3024	77-16911	8 mCi	6/1/2018	AM241 Be		207.02.02	78-12155	40 mCi	7/20/2018	3/28/2019	11/2/2018	11/6/2018	Orlando, Florida	
Orlando CSD DEPT		Troxler	3440	22743	CS-137	RBA 62269	75-4516	8 mCi	9/20/1993	AM241 Be		RBA 10880	47-18588	40 mCi	6/29/1993	3/28/2019	11/2/2018	3/13/2019	Orlando, Florida	
Orlando CSD DEPT		Troxler	3440	22744	CS-137	RBA 62269	75-4517	8 mCi	6/25/1998	AM241 Be		RBA 10880	47-18589	40mCi	6/29/1998	3/28/2019	11/2/2018	3/13/2019	Orlando, Florida	
Orlando CSD DEPT		Troxler	3440	21541	CS-137	RBA 62269	75-3068	8 mCi	7/7/1992	AM241 Be		RBA 10880	47-17788	40mCi	4/14/1992	3/28/2019	11/2/2018	6/27/2018	Orlando, Florida	
Orlando CSD DEPT		Troxler	3440	21909	CS-137	RBA 62269	75-3496	8 mCi	4/1/1993	AM241 Be		RBA 10880	47-17243	40 mCi	8/18/1992	3/28/2019	11/2/2018	3/26/2019	Orlando, Florida	
Orlando CSD DEPT		Troxler	3440	22565	CS-137	RBA 62269	75-4296	8 mCi	7/26/1993	AM241 Be		RBA 10880	47-18406	40 mCi	4/23/1993	3/28/2019	11/2/2018	3/28/2218	Orlando, Florida	
Orlando CSD DEPT		Troxler	3430	71171	CS-137	3024	77-14876	8 mCi	10/8/2015	AM241 Be		207.02.02	78-10460	40 mCi	1/8/2016	3/28/2019	11/2/2018	4/17/2018	Orlando, Florida	
Orlando CSD DEPT		Troxler	3430 P	71169	CS-137	3024	77-14874	8 mCi	10/8/2015	AM241 Be		207.02.02	78-10458	40 mCi	1/28/2016	3/28/2019	11/2/2018	4/12/2218	Orlando, Florida	
Orlando CSD DEPT		Troxler	3430 P	71112	CS-137	3024	77-14829	8 mCi	10/8/2015	AM241 Be		207.02.02	78-10419	40 mCi	7/3/2015	3/28/2019	11/2/2018	4/12/2018	Orlando, Florida	
Orlando CSD DEPT		Troxler	3430 P	71686	CS-137	3024	77-15200	8 mCi	5/5/2016	AM241 Be		RBA 10880	47-23623	40 mCi	9/16/1996	3/28/2019	11/2/2018	8/14/2018	Orlando, Florida	
Orlando CSD DEPT		Troxler	3430	71685	CS-137	3024	77-15199	8 mCi	5/5/2016	AM241 Be		RBA 10880	47-23610	40 mCi	9/16/1996	3/28/2019	11/2/2018	8/2/2018	Orlando, Florida	
Orlando CSD DEPT		Troxler	3430 P	71896	CS-137	3024	77-15344	8 mCi	6/16/2016	AM241 Be		207.02.02	78-10792	40 mCi	6/8/2016	3/28/2019	11/2/2018	11/6/2018	Orlando, Florida	
Orlando CSD DEPT		Troxler	3430 P	71897	CS-137	3024	77-15345	8 mCi	6/16/2016	AM241 Be		207.02.02	78-10793	40 mCi	6/8/2016	3/28/2019	11/2/2018	3/26/2019	Orlando, Florida	
Orlando CSD DEPT		Troxler	3430 P	71898	CS-137	3024	77-15346	8 mCi	6/16/2016	AM241 Be		207.02.02	78-10794	40 mCi	6/8/2016	3/28/2019	11/2/2018	10/23/2018	Orlando, Florida	
Orlando CSD DEPT		Troxler	3440	25401	CS-137	RBA 62269	75-8235	8 mCi	6/26/1995	AM241 Be		RBA 10880	47-21689	40 mCi	7/17/1995	3/28/2019	11/2/2018	11/20/2018	Orlando, Florida	
Pensacola	1	Troxler	3430	35594	CS-137 Nuclide	102112	77-2485	8 mCi	4/22/2004	Am-241 Be		102451	78-446	40 mCi	4/19/2004	3/6/2019	10/12/2018	4/19/2018	Pensacola, Florida	Gauge & case condition is good
Pensacola	3	Troxler	3430	35769	CS-137 Nuclide	102112	77-2842	8 mCi	6/11/2004	Am-241 Be		102451	78-755	40 mCi	7/7/2004	3/6/2019	8/29/2018	9/25/2018	Pensacola, Florida	Gauge & case condition is good
Pensacola	4	Troxler	3430	35821	CS-137 Nuclide	102112	77-2898	8 mCi	6/11/2004	Am-241 Be		102451	78-611	40 mCi	7/26/2004	3/6/2019	8/9/2018	8/9/2018	Pensacola, Florida	Gauge & case condition is good
Pensacola	5	Troxler	3440	20410	CS-137 Nuclide	102112	75-1764	8 mCi	6/20/1991	Am-241 Be		102451	47-15888	40 mCi	11/15/1991	3/6/2019	12/4/2018	12/4/18	Pensacola, Florida	Gauge & case condition is good
Pensacola	6	Troxler	3440	38601	CS-137 Nuclide	102112	77-6061	8 mCi	4/20/2007	Am-241 Be		102451	78-3340	40 mCi	9/29/2006	3/6/2019	10/31/2018	10/16/2018	Pensacola, Florida	Gauge & case condition is good
Pensacola	7	Troxler	3440	38471	CS-137 Nuclide	102112	77-5922	8 mCi	9/25/2006	Am-241 Be		102451	78-3202	40 mCi	8/11/2006	3/6/2019	8/17/2018	8/16/2018	Pensacola, Florida	Gauge & case condition is good
Pensacola (was Ocala)	8	Troxler	3440	34962	CS-137	102112	77-2031	8 mCi	9/29/2003	AM-241 Be		102451	47-30220	40 mCi	2/4/2002	3/6/2019	1/25/2019	1/24/2019	Pensacola, Florida	Gauge & case condition is good
Rockledge	1	Troxler	3411-B	11623	CS-137	A-102112	40-9170	8 mCi	9/26/1984	Am 241 Be	A-102451	47-2557	40 mCi	11/10/1984	2/12/2019	4/18/2019	1/31/2019	Rockledge, FL		
Rockledge	4	Troxler	3430	27577	CS-137	A-102112	750-1376	8 mCi	6/18/1997	Am 241 Be	A-102451	47-24111	40 mCi	11/27/1996	2/12/2019	4/15/2019	6/28/2019	Rockledge, FL		
Rockledge	7	Troxler	3440	14074	CS-137	A-102112	50-2309	8 mCi	6/18/1997	Am 241 Be	A-102451	47-8048	40 mCi	11/27/1996	2/12/2019	4/17/2019	10/1/2019	Rockledge, FL		
Rockledge	10	Troxler	3440	21555	CS-137	A-102112	750-9278	8 mCi	3/14/2002	Am 241 Be	A-102451	47-17802	40 mCi	4/14/1992	2/12/2019	4/16/2019	11/20/2019	Rockledge, FL		
Rockledge	11	Troxler	3430	35655	CS-137	A-102112	77-2712	8 mCi	7/1/2004	Am 241 Be	A-102451	78-636	40 mCi	6/16/2004	2/12/2019	4/16/2019	11/19/2019	Rockledge, FL		
Rockledge	12	Troxler	3430	35937	CS-137	A-102112	77-3045	8 mCi	10/15/2004	Am 241 Be	A-102451	78-914	40 mCi	8/16/2004	2/12/2019	4/17/2019	10/29/2019	Rockledge, FL		
Rockledge	13	Troxler	3430	38352	CS-137	A-102112	77-5689	8 mCi	8/30/2006	Am 241 Be	A-102451	47-7797	40 mCi	10/23/2006	2/12/2019	4/17/2019	10/26/2019	Rockledge, FL		
Rockledge	14	Troxler	3440	37720	CS-137	A-102112	77-4969	9 mCi	3/28/2006	Am 241 Be	A-102451	78-2487	44 mCi	4/17/2006	2/12/2019	4/17/2019	12/18/2019	Rockledge, FL		
Rockledge	16	Troxler	3440	20416	CS-137	A-102112	75-1773	9 mCi	6/20/1991	Am 241 Be	A-102451	47-15894	44 mCi	4/23/1991	2/12/2019	6/14/2018	4/3/2019	Rockledge, FL	This gauge is currently at Troxler, Orlando	
Rockledge	17	Troxler	3440	20417	CS-137	A-102112	73-1774	9 mCi	6/20/1991	Am 241 Be	A-102451	44 mCi	4/23/1991	2/12/2019	4/16/2019	10/29/2019	Rockledge, FL			
Rockledge	18	Troxler	3440	70825	CS-137	A-102112	77-14658	8 mCi	6/26/2015	Am 241 Be	A-102451	78-10255	40 mCi	7/3/2015	2/12/2019	4/16/2019	8/2/2019	Rockledge, FL		
Rockledge	19	Troxler	3440	70826	CS-137	A-102112	77-14659	8 mCi	6/26/2015	Am 241 Be	A-102451	78-10256	40 mCi	7/3/2015	2/12/2019	4/17/2019	2/8/2019	Rockledge, FL		
Rockledge	20	Troxler	3440	72309	CS-137	A-102112	78-10980	8 mci	9/8/2016	AM241 Be	A-102451	77-15534	40 mci	12/15/2016	2/12/2019	4/17/2019	4/5/2019	Rockledge, FL		
Rockledge	21	Troxler	3440	73476	CS-137	A-102112	77-16313	8 mci	1/3/2018	AM241 Be	A-102451	78-11599	40 mci	10/2/2017	2/12/2019	4/15/2019	1/26/2019	Rockledge, FL		
Sarasota	1	Troxler	3440	16730	CS-137 Nuclide	102112	50-5598	8 mCi		Am 241 Be	102451	47-12158	40 mCi		7/20/2018	4/15/2019	12/29/2018	Sarasota, Florida		
Sarasota	2	Troxler	3440	24390	CS-137 Nuclide	102112	75-6436	8 mCi		Am 241 Be	102451	47-20489	40 mCi		7/20/2018	12/26/2018	12/14/2018	Sarasota, Florida		
Sarasota	3	Troxler	3440	36584	CS-137 Nuclide	102112	77-3800	8 mCi	5/2/2005	Am 241 Be	102451	78-1342	40 mCi	3/11/2005	7/20/2018	2/26/2019	3/19/2019	Sarasota, Florida		
Sarasota	4	Troxler	3440	36989	CS-137 Nuclide	102112	77-4074	8 mCi	5/25/2005	Am 241 Be	102451	78-1854	40 mCi	7/11/2005	7/20/2018	12/3/2018	8/14/2018	Sarasota, Florida		
Sarasota	5	Troxler	3440	24313	CS-137 Nuclide	102112	75-6338	8 mCi	10/13/1994	Am 241 Be	102451	47-20379	40 mCi	8/26/1994	7/20/2018	10/1/2018	10/2/2018	Sarasota, Florida		
Sarasota	6	Troxler	3440	37513	CS-137 Nuclide	102112	77-4727	8 mCi	2/22/2006	Am 241 Be	102451	78-2360	40 mCi	12/19/2005	7/20/2018	1/14/2019	1/19/2019	Sarasota, Florida		
Sarasota	7	Troxler	3440	38240	CS-137 Nuclide	102112	77-5596	8 mCi	8/17/2006	Am 241 Be	102451	78-3048	40 mCi	8/9/2006	7/20/2018	3/31/2019	4/9/2019	Sarasota, Florida		
Sarasota	8	Troxler	3430	20011	CS-137 Nuclide	102112	75-1230	8 mCi		Am 241 Be	102451	47-15490	40 mCi		7/20/2018	2/26/2019	3/19/2019	Sarasota, Florida		
Sarasota	9	Troxler	3440P	72457	CS-137 Nuclide	102112	77-15643	8 mCi	12/15/2016	Am 241 Be	102451	47-23468	40 mCi	2/7/2017	7/20/2018	6/15/2018	6/12/2018	Sarasota, Florida		
Sarasota	10	Troxler	3440	27155	CS-137 Nuclide	102112	750-873	8 mCi		Am 241 Be	102451	47-23674	40 mCi		7/20/2018	1/25/2019	2/7/2019	Sarasota, Florida		
Sarasota	11	Troxler	3440P	71131	CS-137 Nuclide	102112	77-14846	8 mCi	10/8/2015	Am 241 Be	102451	78-10433	40 mCi	1/28/2016	7/20/2018	4/5/2019	4/6/2019	Sarasota, Florida		
Sarasota	12	Troxler	3440P	71219	CS-137 Nuclide	102112	77-14901	8 mCi	2/18/2016	Am 241 Be	102451	78-10482	40 mCi	1/28/2016	7/20/2018	5/29/2018	5/24/2018	Sarasota, Florida		
St Petersburg		Troxler	3440P	72306	CS-137 Nuclide	102112	77-15531	8 mCi	12/15/2016	Am 241 Be	102451	78-10977	40 mCi	9/8/2016	6/6/2018	4/18/2019	4/18/2019	St Petersburg, FL	Gauge condition is new	
St Petersburg		Troxler	3440P	73900	CS-137 Nuclide	102112	77-16570	8 mCi	4/3/2018	Am 241 Be	102451	77-11828	40 mCi	5/9/2018	6/6/2018	5/24/2018	5/24/2018	St Petersburg, FL	Gauge condition is new	
St Petersburg		Troxler	3440P	73901	CS-137 Nuclide	102112	77-16571	8 mCi	4/3/2018	Am 241 Be	102451	77-11829	40 mCi	5/9/2018	6/6/2018	5/24/2018	5/31/2018	St Petersburg, FL	Gauge condition is new	
Chantilly, VA	1	Troxler	3430P	75662	CS-137	102112	77-17197	8.0	1/7/2019	Am 241 Be	102451	78-12412	40.0	10/31/2018	4/10/2020	3/8/2019	3/25/2019	Chantilly, VA	Gauge condition is new	
Chantilly, VA	2	Troxler	3430P	75750	CS-137	102112	77-17238	8.0	1/7/2019	Am 241 Be	102451	78-12449	40.0	2/11/2019	4/10/					

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Medley	Troxler	3430	37866	CS-137	A-102112	77-5143	8 mCi	5/15/2006	AM241 Be	A-102451	78-2647	40 Mci	5/2/2006	3/6/2019	12/26/2018	12/3/2018	Medley, FL	
Medley	Troxler	3411	8549	CS-137	A-102112	40-5790	8 mCi	10/31/1981	AM241 Be	A-102451	47-4913	40 Mci	10/15/1981	3/6/2019	8/31/2018	8/23/2018	Medley, FL	
Medley	Troxler	3430P	71170	CS-137	A-102112	77-14875	8 mCi		AM241 Be	A-102451	78-10459	40 mCi		3/6/2019	3/20/2019	3/22/2019	Medley, FL	
Medley	Troxler	3430P	71067	CS-137	A-102112	77-14800	8 mCi		AM241 Be	A-102451	78-10391	40 mCi		3/6/2019	3/20/2019	3/22/2019	Medley, FL	
Medley	Troxler	3430P	71809	CS-137	A-102112	77-15284	8 mCi		AM241 Be	A-102451	78-10733	40 mCi		3/6/2019	10/1/2018	10/2/2018	Medley, FL	
Medley	Troxler	3430P	71810	CS-137	A-102112	78-10734	8 mCi		AM241 Be	A-102451	77-15285	40 mCi		3/6/2019	9/5/2018	9/12/2018	Medley, FL	
Medley	Troxler	3430P	71899	CS-137	A-102112	77-15347	8 mCi		AM241 Be	A-102451	78-10795	40 mCi		3/6/2019	11/6/2018	11/19/2018	Medley, FL	
Panama City	Troxler	3440	38603	CS-137	A-102112	77-6063	9 mci	10/18/2006	AM241 Be	A-102451	78-3342	44 mci	9/29/2006	1/7/2019	10/4/2018	10/3/2018	Panama City, FL	
Panama City	Troxler	3430	28272	CS-137	A-102112	750-2234	9 mci	9/16/1997	AM241 Be	A-102451	47-24983	44 mci	9/16/1997	1/7/2019	8/13/2018	8/14/2018	Panama City, FL	
Panama City	Troxler	3440	33264	CS-137	A-102112	750-8643	9 mci	1/9/2008	AM241 Be	A-102451	47-2973	44 mci	1/9/2008	1/7/2019	10/29/2018	10/29/2018	Panama City, FL	
Panama City	Troxler	3440	34955	CS-137	A-102112	77-2022	8 mci	2/26/2004	AM241 Be	A-102451	47-30212	40 mci	2/26/2004	1/7/2019	3/13/2019	3/13/2019	Panama City, FL	
Panama City	Troxler	3440	34956	CS-137	A-102112	77-2025	8 mci	3/4/2004	AM241 Be	A-102451	47-30213	40 mci	3/4/2004	1/7/2019	9/17/2018	9/17/2018	Panama City, FL	

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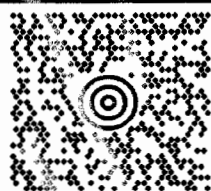
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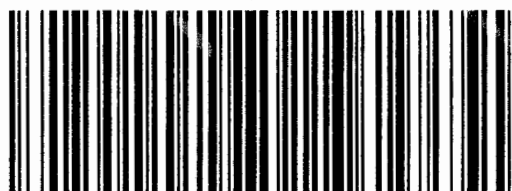
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