



# 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
- Charlotte
- Daytona Beach
- DC Metro
- Fort Myers
- Fort Pierce
- Gainesville
- Jacksonville
- Miami
- Ocala
- Orlando (Headquarters)
- Palm Coast
- Panama City
- Pensacola
- Rockledge
- Sarasota
- St. Petersburg
- Tampa
- Tifton
- West Palm Beach

December 18, 2020

Licensing Assistance Team  
Division of Nuclear Materials Safety  
US Nuclear Regulatory Commission, Region 1  
Attn: Randolph C. Ragland, Jr., CHP  
Senior Health Physicist  
2100 Renaissance Boulevard, Suite 100  
King of Prussia, PA 19426

Reference: **Amendment for Materials License 09-31368-01; Docket 030-38028**  
**Change of Corporate Name and Radiation Safety Officer**

Dear Mr. Ragland:

Universal Engineering Sciences, Inc., license number 09-31368-01 would like to request our current license be amended per the following items:

- We have recently undergone a name change where we have gone from Universal Engineering Sciences, Inc. to Universal Engineering Sciences, LLC. Controlling interests within the operation have not changed.
- We have substituted our previous RSO for our Corporate Headquarters from Mr. Brian Meikle with our new RSO Mr. Miguel Santiago.

We appreciate your help with our amendment, should you have questions, please contact me at your earliest convenience.

Best regards,

Miguel Santiago, RSO  
Radiation Safety Officer – Corporate Headquarters  
Mobile. 813-619-9532

[masantiago@universalengineering.com](mailto:masantiago@universalengineering.com)

3532 Maggie Blvd, Orlando, FL 32811 • 407-423-0504  
Visit us on the web at [www.UniversalEngineering.com](http://www.UniversalEngineering.com).



# 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
- Charlotte
- Daytona Beach
- DC Metro
- Fort Myers
- Fort Pierce
- Gainesville
- Jacksonville
- Miami
- Ocala
- Orlando (Headquarters)
- Palm Coast
- Panama City
- Pensacola
- Rockledge
- Sarasota
- St. Petersburg
- Tampa
- Tifton
- West Palm Beach

September 25, 2020

Bureau of Radiation Control  
Florida Department of Health  
4052 Bald Cypress Way  
Bin C21  
Tallahassee, FL 32399-1741

Attention: Mrs. Melissa Burns – Environmental Specialist III

**Re: Binding Agreement Authorization Miguel “Mike” Santiago, P.E.**

Dear Mrs. Burns:

This letter certifies that Miguel “Mike” Santiago, P.E, Corporate Radiation Safety Officer, has authority to sign and execute company radiation safety documents and similar documentation on behalf of Universal Engineering Sciences, LLC.

Sincerely,

Mark C. Israel, P.E.  
President

(01-2020)  
10 CFR 30, 32,  
33, 34, 35, 36,  
37, 39, and 40



**APPLICATION 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-6 A10M), 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, NEOB-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

**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 09-31368-01
- C. RENEWAL OF LICENSE NUMBER \_\_\_\_\_

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

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

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

To be used at federally controlled sites in Agreement States and possessed at branch office locations within Agreement States but outside of federally controlled sites (see attached branch office list)

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

Miguel Santiago

**BUSINESS TELEPHONE NUMBER**

407-423-0504

**BUSINESS CELLULAR TELEPHONE NUMBER**

813-619-9532

**BUSINESS E-MAIL ADDRESS**

masantiago@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.**

**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.**

**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	AMOUNT ENCLOSED \$

**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**

Miguel Santiago, Radiation Safety Officer

**SIGNATURE**

**DATE**

12/18/20

**FOR NRC USE ONLY**

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

**Storage Location of Portable Gauges, Site RSO, and RSO Contact Information**

<p><b>Atlanta</b> 3040 Business Park Drive Suite F Norcross, GA 30071 770-242-6438 Site RSO: Robert Thomas</p>	<p><b>Daytona</b> 911 Beville Road Suite 3 South Daytona, FL 32119 386-756-1105 Site RSO: David McMahon</p>	<p><b>DC Metro</b> 14221-B Willard Road Suite 700 Chantilly, Virginia 20151 703-652-5111 Site RSO: Joseph Putnam</p>
<p><b>Ft. Myers</b> 5971 Country Lakes Driver Fort Myers, FL 33905 239-995-1997 Site RSO: Jason Watson</p>	<p><b>Gainesville</b> 4475 SW 35th Terrace Gainesville, FL 32608 352-372-3392 Site RSO: James Brewer</p>	<p><b>Jacksonville</b> 5561 Florida Mining Boulevard South Jacksonville, FL 32257 904-296-0757 Site RSO: Joseph Hoff</p>
<p><b>Miami</b> 9960 NW 116th Way Suite 8 Medley, FL 33178 305-294-8434 Site RSO: Nickisia Diran</p>	<p><b>Orlando</b> 3532 Maggie Boulevard Orlando, FL 32811 407-423-0504 Site RSO: Stacy Drawdy</p>	<p><b>Panama City</b> 1712 Airport Road Panama City, FL 32405 850-215-2060 Site RSO: Cory Scruggs</p>
<p><b>Pensacola</b> 1985 Cope Lane Pensacola, FL 32526 850-944-5555 Site RSO: Randall Beal</p>	<p><b>Rockledge</b> 820 Brevard Avenue Rockledge, FL 32955 321-638-0808 Site RSO: Richard Hoaglin</p>	<p><b>Sarasota</b> 1748 Independence Boulevard Suite B-1 Sarasota, FL 34234 941-358-7410 Site RSO: Robert Gomez</p>
<p><b>St. Petersburg</b> 3018 22nd Avenue South St. Petersburg, FL 33712 Site RSO: Chris Dillon 727-209-1500</p>	<p><b>Tampa</b> 9802 Palm River Road Tampa, FL 33619 813-740-8506 Site RSO: Douglas Ross</p>	<p><b>Tifton</b> 1203 North Central Avenue Suite 3 Tifton, GA 31794 229-396-465 Site RSO: Robert Thomas</p>
<p><b>West Palm</b> 1818 7th Avenue North Unit 1 Lake Worth, Florida 33461 561-540-6200 Site RSO: Victor Rivera</p>	<p><b>Corporate Headquarters</b> 3532 Maggie Boulevard Orlando, FL 32811 407-423-0504 RSO: Miguel Santiago Cell Phone: 813-619-9532</p>	

**SUGGESTED FORMAT FOR PROVIDING INFORMATION REQUESTED  
IN ITEMS 5 THROUGH 11 OF  
U.S. NUCLEAR REGULATORY COMMISSION FORM 313**

**Items 5 and 6: Materials To Be Possessed and Proposed Uses**

Yes	No	Radionuclide	Manufacturer or Distributor Model No.	Quantity	Use as Listed on SSD Registration Certificate	Specify Other Uses Not Listed on SSD Registration Certificate
		Cesium-137	Gauge manufacturer or distributor and model number of the gauge:  Troxler 3400 Series  CPN MC Series	Specify activity per source and number of gauges requested.  9 millicuries  200 gauges  10 millicuries 8 gauges	Yes <input checked="" type="checkbox"/> Specific description of the gauge use:  Portable  Surface  Moisture & Density Gauge	<input checked="" type="checkbox"/> Not applicable  <input type="checkbox"/> Uses are:  (Submit safety analysis supporting safe use)
		Americium-241	Gauge manufacturer or distributor and model number of the gauge:  Troxler 3400 Series  CPN MC Series	Specify activity per source and number of gauges requested.  44 millicuries  <del>200 guages</del>  50 millicuries  8 gauges	Yes <input checked="" type="checkbox"/> Specific description of the gauge use:  Portable  Surface  Moisture & Density Gauge	<input checked="" type="checkbox"/> Not applicable  <input type="checkbox"/> Uses are:  (Submit safety analysis supporting safe use.)

Yes	No	Radionuclide	Manufacturer or Distributor Model No.	Quantity	Use as Listed on SSD Registration Certificate	Specify Other Uses Not Listed on SSD Registration Certificate
		Californium-252	Gauge manufacturer or distributor and model number of the gauge: _____	Specify activity per source and number of gauges requested. _____ _____ _____	Yes <input type="checkbox"/> Specific description of the gauge use: _____ _____ _____	<input type="checkbox"/> Not applicable _____ <input type="checkbox"/> Uses are: _____ (Submit safety analysis supporting safe use.)
<b>INFORMATION NOT APPLICABLE TO AMENDMENT RADIONUCLIDE NOT USED WITHIN OUR LICENSE</b>						
		Radium-226	Gauge manufacturer or distributor and model number of the gauge and number of gauges of each model that is being requested: _____	Specify activity per source and number of gauges requested. _____ _____	Yes <input type="checkbox"/> Specific description of the gauge use: _____ _____	<input type="checkbox"/> Not applicable _____ <input type="checkbox"/> Uses are: _____ (Submit safety analysis supporting safe use.)
<b>INFORMATION NOT APPLICABLE TO AMENDMENT RADIONUCLIDE NOT USED WITHIN OUR LICENSE</b>						
		Other Isotope (Specify):  Cobalt 57	Gauge manufacturer or distributor and model number of the gauge: _____  Isotope Products  Laboratories	Specify activity per source and number of gauges requested.  15 millicuries  3 gauges	Yes <input checked="" type="checkbox"/> Specific description of the gauge use: _____  Portable XRF  lead-based paint analyzers	<input checked="" type="checkbox"/> Not applicable _____ <input type="checkbox"/> Uses are: _____ (Submit safety analysis supporting safe use.)
		Is financial assurance required? If yes, submit evidence of financial assurance				

**Items 7 through 11: Training and Experience,  
Facilities and Equipment, Radiation Safety Program,  
and Waste Disposal**

Item No. and Title	Suggested Response	Yes	Alternative Procedures Attached
<p><b>7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE—RADIATION SAFETY OFFICER</b></p> <p>Name: <u>Miguel Santiago</u></p>	<p>Provide documentation of the training of the proposed RSO.</p>	<p>Submit applicable documentation.</p>	
<p><b>8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS</b></p>	<p>Before using licensed materials, authorized users will have successfully completed one of the training courses described in the “Criteria” part of the section titled “Training for Individuals Working in or Frequenting Restricted Areas” in NUREG-1556, Vol. 1, Rev. 2.</p>	<p><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p>
<p><b>9. FACILITIES AND EQUIPMENT</b></p>	<p>No information needs to be submitted in response to this item; key issues are addressed under “Radiation Safety Program—Public Dose” and “Radiation Safety Program—Operating, Emergency, and Security Procedures” below.</p>	<p><b>Need Not Be Submitted with Application</b></p>	
<p><b>10.1 RADIATION SAFETY PROGRAM—AUDIT PROGRAM</b></p>	<p>The applicant is <i>not</i> required to, and should not, submit its audit program to the NRC for review during the licensing phase. The audit program will be reviewed during NRC inspections.</p>	<p><b>Need Not Be Submitted with Application</b></p>	
<p><b>10.2 RADIATION SAFETY PROGRAM—SURVEY INSTRUMENTS</b></p>	<p>We will either possess and use, or have access to and use, a radiation survey meter that meets the criteria in the section titled “Radiation Safety Program—Instruments” in NUREG-1556, Vol. 1, Rev. 2, “Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Portable Gauge Licenses,” in the event of an incident.</p>	<p><input checked="" type="checkbox"/></p>	<p><input type="checkbox"/></p>







**APNGA**  
**Certificate of Achievement**

**This confirms that**

***Miguel Santiago***

---

Has successfully completed the APNGA Portable Nuclear Gauge

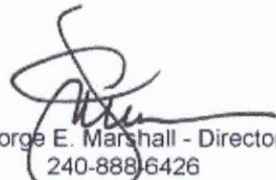
**Radiation Safety Officer Class**

on this day

***June 9, 2012***

---

American Portable Nuclear Gauge Association  
P.O. Box 423, Emmitsburg, MD 21727 • [www.apnga.com](http://www.apnga.com)

  
George E. Marshall - Director  
240-888-6426



# U.S. D.O.T. HAZMAT CERTIFICATION

## Refresher Training for Portable Nuclear Gauges

Certificate of Completion to:  
**Miguel Santiago**

Training must be renewed within three years from today's date:

December 18, 2020

This course satisfies the training requirements of 49 CFR 172, Subpart H, including:

- General Awareness/Familiarization
- Security Awareness
- Function Specific Training
- Driver Training
- Safety Training

The organization RSO/Official must certify that the employee has been properly trained and tested per the requirements of 49 CFR 172, Subpart H. The acknowledgement and signature of the RSO/Official makes the training and certificate relevant and valid.

Universal Engineering Sciences, LLC

Company Name

Miguel Santiago

Company RSO/Official (print)



Signature of RSO/Official

American Portable Nuclear Gauge Association  
P.O. Box 423, Emmitsburg, MD 21727 • www.apnga.com

YVVANgDDmU

George E. Marshall - Director  
240-888-6426