

*2 Copies attached*

<b>NRC FORM 313</b> (05-2012) 10 CFR 30, 32, 33, 34, 35, 36, 39, and 40		<b>U.S. NUCLEAR REGULATORY COMMISSION</b>		<b>APPROVED BY OMB: NO. 3150-0120</b>		<b>EXPIRES: (05/31/2015)</b>	
<b>APPLICATION FOR MATERIALS LICENSE</b>  <i>Br.3</i>				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-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to <a href="mailto:Infocollects.Resource@nrc.gov">Infocollects.Resource@nrc.gov</a> , 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.			
<b>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.</b>							
<b>APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:</b>  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  <b>ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:</b>  <b>IF YOU ARE LOCATED IN:</b>  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,  <b>SEND APPLICATIONS TO:</b>  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				<b>IF YOU ARE LOCATED IN:</b>  ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, <b>SEND APPLICATIONS TO:</b>  MATERIALS LICENSING BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION III 2443 WARRENVILLE ROAD, SUITE 210 LISLE, IL 60532-4352  <b>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,</b>  <b>SEND APPLICATIONS TO:</b>  NUCLEAR MATERIALS LICENSING BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION IV 1600 E. LAMAR BOULEVARD ARLINGTON, TX 76011-4511			
<b>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.</b>							
1. THIS IS AN APPLICATION FOR (Check appropriate item)  <input type="checkbox"/> A. NEW LICENSE <input checked="" type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER <i>09-31368-01</i> <input type="checkbox"/> C. RENEWAL OF LICENSE NUMBER				2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)  <i>Universal Engineering Sciences, Inc.</i> <i>3532 Maggie Blvd</i> <i>Orlando, FL 32811</i>			
3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED  <i>for potential use at NRC jurisdiction properties and facilities. See letter.</i> <i>stored at:</i> <i>1) 3532 Maggie Blvd 2) 5561 Florida Mining Blvd</i> <i>Orlando, FL Jacksonville, FL</i> <i>32811 32257</i>				4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION  <i>Jim Lewis</i>  BUSINESS TELEPHONE NUMBER <i>(407) 423-0504</i> BUSINESS CELLULAR TELEPHONE NUMBER <i>(321) 287-1491</i> BUSINESS EMAIL ADDRESS <i>jlewis@ursorl.com</i>			
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 AMOUNT ENCLOSED \$			
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  <i>Mark Israel President</i>				SIGNATURE  <i>[Signature]</i>		DATE  <i>6/2/12</i>	
<b>FOR NRC USE ONLY</b>							
TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS		
			\$				
APPROVED BY				DATE			



# UNIVERSAL ENGINEERING SCIENCES

Consultants in Geotechnical Engineering • Environmental Sciences  
Construction Materials Testing • Threshold Inspection • Plans Review  
Private Provider/Building Inspection • Geophysical Services

## OFFICES IN:

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

6/21/12

Licensing Assistance Team  
Division of Nuclear Materials Safety  
U.S. Nuclear Regulatory Commission, Region I  
475 Allendale Road  
King of Prussia, PA. 19406-1415

To Whom It May Concern:

Thank you in advance for your assistance with our application to amend our license. We want to amend our license to include two Radiation Monitoring Devices, Inc. (RMD), Model LPA-1 portable x-ray fluorescence analyzer devices which detect and measure lead content in paint.

### **Address Where Licensed Material Will Be Used or Possessed**

Our company owns two RMD, Inc., Model LPA-1 portable devices. One device is stored in our branch office at 3532 Maggie Blvd., Orlando, Florida 32811 and the other device is stored in our branch office at 5561 Florida Mining Blvd. South, Jacksonville, Florida 32257.

In terms of our overall company environmental consulting operations these two devices are used infrequently. When used, these two devices are used for projects within the state of Florida. It is foreseeable that these devices could be used for projects in the neighboring states of Alabama, Georgia, South Carolina, Louisiana, and Mississippi if project work becomes available. To date, no known usage of these devices has occurred on Federal Jurisdiction properties however, it is a consulting service we offer to our clients who perform work on federal jurisdiction properties so we want to be in a position to offer this service should the opportunity arise.

### **Radioactive Material**

The radioactive material in these two devices is Cobalt 57.

The chemical and/or physical form as taken verbatim from our State of Florida Department of Health Bureau of Radiation Control licenses is: Sealed source (Isotope Products Laboratories Model CUSC0057 or 012M3814N, North American Scientific Model CUS0000C0057 015MN, Amersham Corporation Model CTC.P1, XI01/2, C64444, and/or E.I. DuPont de Nemours & Co., Inc. Model NER 472, Le316, C43333 or equivalent sources)

The maximum amount which will be possessed at any one time in any one place is one portable device. The state license states each source not to exceed 15 millicuries.

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

The portable devices are used to detect and measure lead content in paint which has previously been applied to various surfaces including interior and exterior applications. Most usage is inside buildings used to analyze paint on interior walls.

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

The Corporate Radiation Safety Officer – RSO for the NRC Material License is Jim Lewis. Mr. Lewis has 22 years of risk management and safety experience in the construction, transportation, and manufacturing industries. He has been employed with our company since April 2001 and has served as the “Corporate RSO” since July 2001.

Mr. Lewis completed the Radiation Safety Officer training course on 6/20/2001 through Troxler Electronic Laboratories. The 49CFR172, Subpart H training was initially completed on 6/20/01 through Troxler Electronic Laboratories. Mr. Lewis does not transport gauges. Gauge transportation is conducted by employees who have current 49CFR172, Subpart H training.

#### **Training For Individuals Working In or Frequenting Restricted Areas**

All work performed by our company which utilizes portable gauges is performed by our employees. We have two employees who use the two RMD, Inc., Model LPA-1 portable devices. The training course completion certificates for both employees are attached.

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. Our employees must prove their training by providing an original course completion certificate for both courses.

In addition to the prior described training, there is periodic training provided by the State of Florida – Department of Health registered RSO at each of our branch offices through employee meetings, memos, and one-on-one training provided by the managers and supervisors. 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. When infractions or concerns are observed or reported to us we address the issues with our employee(s) through counseling / coaching, disciplinary actions, and often times require the employee to re-take the gauge safety course.

For our projects on Federal Jurisdiction Bases & Facilities, site-specific health, safety, and security training & orientation is provided by our client's safety officer and oftentimes by base personnel.

### **Facilities and Equipment**

Due to the short-term nature of our sampling and testing projects and the close proximity of our projects to our numerous branch offices all portable gauges are stored at our Branch Offices which under our State of Florida licenses are our permanently designated storage facilities. No temporary storage of portable gauges should occur 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. I see no scenarios or reasons for this to occur.

### **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 and Georgia including Troxler Electronic Laboratories and Atlantic Drilling Supply. Company-wide we own 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, Vol. 1, Rev. 1, dated November 2001.

Physical inventories of our gauges are conducted by the RSO at each office. The Branch Managers and the Corporate RSO conduct audits and inventories on varied frequencies. Formal inventories and audits are conducted no less than every six months by the RSO.

Occupational dosimetry for all offices for all portable gauge users is conducted through personnel dosimetry monitoring using personnel 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 Dosimetry Services and our exchange frequency is quarterly. Exposure to the portable gauge source at our temporary project sites is limited to our employee technician who is operating the portable gauge while wearing a personnel dosimetry monitoring badge. In most cases sampling and testing is conducted after business hours or when there is minimal personnel in the areas being tested.

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, Vol. 1, dated November 2001.

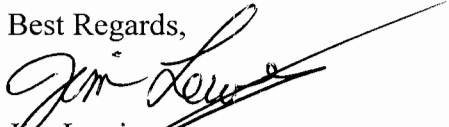
Leak testing for all portable gauges is performed by the RSO at each office. The RSO is qualified and authorized to perform leak testing through training and experience. On occasion, a gauge may be at the manufacturer or an authorized gauge repair company for repairs and the leak testing is performed during the repair. The manufacturers and authorized repair companies are authorized by the Agreement States of Florida and Georgia to perform leak testing. 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.

Portable gauge cleaning, lubrication, and routine maintenance 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 performs the calibration of our portable gauges and performs routine maintenance as necessary. All cleaning, lubrication, and routine maintenance is performed to each manufacturer's recommendations and instructions.

Non-routine maintenance and repairs including but not limited to the removal or the source or source rod from the gauge is performed by the portable gauge manufacturers or an organization authorized by the manufacturers' which are authorized by the Agreement State.

In closing I would like to thank you in advance for your assistance with our application to amend our license. 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  
Corporate Risk Manager  
Safety Director  
Fleet Manager



Mark C. Israel, PE  
President

# Certificate of Achievement

This is to certify that  
**Robert Sport**

**Universal Engineering Sciences, Inc**

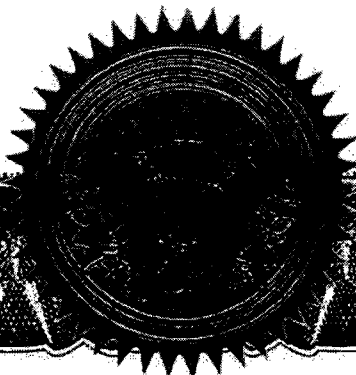
on the 15th day of April, 2010 successfully completed the factory training for

**RMD's LPA-1 Lead Paint Inspection System**

including, but not limited to the topics of Radiation Safety, DOT Regulations, and the Proper Use of the Instrument.



Sia Afshari Product Manager RMD  
44 Hunt St, Watertown, Massachusetts



# Certificate Of Completion

No 1589

*This is to certify that* JAMES E. BLYTHE *has completed the*  
*CPN® Radiation Safety Officer Seminar for Nuclear Gauges,*  
*held this* FOURTEENTH *day of* MARCH 2002 *in the*  
*City of* ORLANDO *State of* FLORIDA *by CPN International.*

CPN International, Inc.  
2830 Howe Road  
Martinez, CA 94553 USA  
Phone: (925) 228-9770  
Fax: (925) 228-3183



*Stephen R. Miller*  
INSTRUCTOR  
*Douglas Carter*  
RADIATION SAFETY OFFICER



No 35812

# Certificate Of Completion

This is to certify that JAMES E. BLYTHE has completed the  
basic CPN® training course on Radiation Safety and Use of Nuclear Gauges,  
held this TWENTY-FIRST day of JULY 2000 in the  
City of ORLANDO State of FLORIDA by CPN International.

CPN International, Inc.  
2830 Howe Road  
Martinez, CA 94553 USA  
Phone: (925) 228-9770  
Fax: (925) 228-3183



John R. Miller  
INSTRUCTOR  
Douglas Carter  
RADIATION SAFETY OFFICER



# Certificate of Achievement

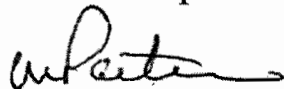
This is to certify that

James E. Blythe  
of Law Engineering and Environmental Services, Inc.

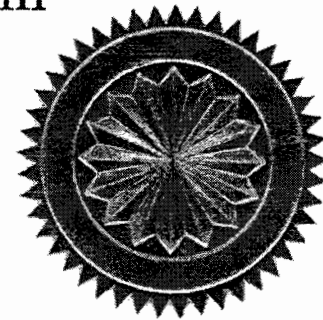
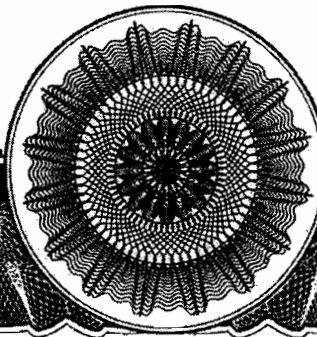
on the 13th day of Sept. 1996 successfully completed the factory training for

RMD's LPA-1 Lead Paint Inspection System

including, but not limited to, the topics of Radiation Safety  
and the Proper Use of the Instrument.



Jacob Paster, Vice-President of RMD  
44 Hunt St., Watertown, Massachusetts



This is to acknowledge the receipt of your letter (application) dated

6/21/12, and to inform you that the initial processing which includes an administrative review has been performed.

☒ Amendment (09-31368-01)  
There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 577790.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI)  
(6-96)

Sincerely,  
Licensing Assistance Team Leader