

DILLON CENTER

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CERTIFIED MAIL # 7004 2510 0006 0587 6377  
Return Receipt Requested

LL 35092  
03038671  
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03120

July 22, 2013

37-35092-01

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

REC'D REC RG 1 07 29 13 AM 07/15

To Whom it May Concern:

Universal Well Services, Inc. (UWS) has submitted Form 241 and has received reciprocity through the end of July 2013 to bring a Berthold LB8010 density gauge into West Virginia. The reciprocity was approved June 27, 2013 with location number 000437.

Enclosed, please find our application for materials license NRC Form 313 for the gauge for which we currently have been granted reciprocity. The gauge is mounted onto a piece of equipment (a blender) that is mounted to a trailer. The gauge is used to measure density of sand slurry during hydraulic fracturing operations. Our Buckhannon, West Virginia District plans to take permanent ownership of this gauge which is currently licensed in the state of Pennsylvania.

If you should have any questions do not hesitate to call me at 814-573-0640.

Sincerely,

Meghan Yingling  
Environmental Compliance Manager, RSO  
Universal Well Services, Inc.

Cc: Robert Slack, Director EHS, UWS  
Timothy Waugh, Buckhannon District Manager, UWS

18360 Technology Drive, Box 4 • Meadville, PA • 16335

581462

NMSS/RGN1 MATERIALS-002



# 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-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20566-0001, or by Internet e-mail to [InfoCollect.Resource@nrc.gov](mailto:InfoCollect.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 APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW. \*AMENDMENTS/RENEWALS THAT INCREASE THE SCOPE OF THE EXISTING LICENSE TO A NEW OR HIGHER FEE CATEGORY WILL REQUIRE A FEE.**

**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 20565-0001

**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 19408-2713

**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

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 78011-4511

**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 \_\_\_\_\_
- C. RENEWAL OF LICENSE NUMBER \_\_\_\_\_

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

Universal Well Services, Inc.  
Attention: Meghan Yingling  
18360 Technology Drive  
Meadville, PA 16335

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

Where gauge will be stored: Buckhannon District, 14 Sewer Plant Road, Buckhannon, WV 26201

Where gauge will be used: temporary job sites throughout West Virginia.

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

Meghan Yingling

**BUSINESS TELEPHONE NUMBER**

(814) 373-3225

**BUSINESS CELLULAR TELEPHONE NUMBER**

(814) 573-0640

**BUSINESS EMAIL ADDRESS**

[meghan.yingling@uniwell.com](mailto:meghan.yingling@uniwell.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 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)**

FEE CATEGORY

3P

AMOUNT ENCLOSED \$

1,500

**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 02 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**

Robert A. Slack  
Director - Environmental, Health & Safety

**SIGNATURE**

**DATE**

7-18-2013

**Items 5 and 6: Materials to be Possessed and Proposed Uses**

Yes	No	Radioisotope	Manufacturer or Distributor Model No.	Quantity	Use as Listed on SSD Certificate	Specify Other Uses Not Listed on SSD Certificate
	X	Cobalt-60	N/A	N/A	N/A	N/A
	X	Krypton-85	N/A	N/A	N/A	N/A
	X	Strontium-90	N/A	N/A	N/A	N/A
X		Cesium-137	Sealed Sources which have been registered with the NRC or an agreement state.	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source Device Registration Certificate.	Yes Specific description of the gauge use:  Sealed source portable/fixed gauges are used to measure process control variables such as density of material in pipe flow (sand or cement slurry).	Not applicable
	X	Americium-241	N/A	N/A	N/A	N/A
	X	Other isotopes	N/A	N/A	N/A	N/A

**Financial Assurance:** Financial Assurance is not required for this facility as inventory quantities are and will be maintained below levels requiring Financial Assurance.

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

Item Number and Title	Suggested Response	Applicant's Response
<p>7. Individual(s) Responsible for Radiation Safety Program and their Training and Experience</p> <p>7.1 Radiation Safety Officer (RSO)</p> <p>Name: Meghan Yingling</p>	<p>Training and experience for the RSO is attached.</p> <p>Before being named as the RSO, future RSOs will have successfully completed the training described in Criteria in the section entitled "Individual(s) Responsible for Radiation Safety program and Their Training and Experience-Radiation Safety Officer" in NUREG-1556, Vol. 4, dated October 1998. Within 30 days of naming a new RSO, we will submit the new RSOs name to NRC to include in our license.</p>	<p>Other: Yes</p> <p>See Attachment C - RSO Training Documentation</p>
<p>7. Individual(s) Responsible for Radiation Safety Program and their Training and Experience</p> <p>7.2 Authorized Users</p>	<p><b>Proposed Authorized Users</b></p> <p>Before using licensed materials, authorized users will have successfully completed the training described in Criteria in the section entitled "Authorized Users" in NUREG-1556, Vol. 4, dated August 1998.</p> <p><b>Authorized Users:</b> A list of authorized users is not attached to this application however a current list is maintained by Universal Well Services and will be made available during inspection. Due to turnover, authorized users may change therefore the list is not stagnant.</p>	<p>Yes</p>
<p>9. Facilities and Equipment</p>	<p>We will ensure that the location of each portable/fixed gauge meets the Criteria in section entitled "Facilities and Equipment," in NUREG-1556, Vol. 4, dated October 1998</p>	<p>Yes</p>

**Universal Well Services, Inc., Buckhannon WV District** **Attachment B**  
**NRC Form 313 Application for Radioactive Material License Application Items 7 through 11**  
**for the Possession and use of Byproduct Material**

Item Number and Title	Suggested Response	Applicant's Response
10. Radiation Safety Program – Survey Instruments	<p>We will use instruments that meet the Criteria in section entitled "Facilities and Equipment," in NUREG-1556, Vol. 4, dated August 1998, and:</p> <ul style="list-style-type: none"> <li>• Each survey meter will be calibrated by the manufacturer or other person authorized by the NRC or an Agreement State to perform survey meter calibrations.</li> </ul>	<p>Other: Yes</p> <p>See Attachment D – Thermo Fisher RadEye G Invoice</p>
10. Radiation Safety Program – Material Receipt and Accountability	Physical inventories will be conducted at least every 6 months or at other intervals approved by the NRC, to account for all sealed sources and devices received and possessed under the license.	Yes
10. Radiation Safety Program – Occupational Dosimetry	We will perform a prospective evaluation demonstrating that unmonitored individuals are not likely to receive, in one year, a radiation dose in excess of 10% of the allowable limits in 10 CFR PART 20 or we will provide dosimetry that meets the Criteria in the section entitled "Radiation Safety Program – Occupational Dosimetry" in NUREG-1556, Vol.4, "Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Fixed Gauge Licenses", dated October 1998.	Yes
10. Radiation Safety Program – Operating and Emergency Procedures	Operating and emergency procedures will be developed, implemented maintained, and distributed and will meet the Criteria in the section entitled "Radiation Safety Program – Operating and Emergency Procedures" in NUREG-1556, Vol.4, "Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Fixed Gauge Licenses", dated October 1998.	Yes

**Universal Well Services, Inc., Buckhannon WV District** **Attachment B**  
**NRC Form 313 Application for Radioactive Material License Application Items 7 through 11**  
**for the Possession and use of Byproduct Material**

Item Number and Title	Suggested Response	Applicant's Response
10. Radiation Safety Program – Leak Tests	Leak tests will be performed at intervals approved by the NRC and specified in the Sealed Source and Device Registration Certificate. Leak tests will be performed using a kit supplied by an organization authorized by the NRC or an Agreement State to provide leak test kits to other licensees and according to the kit supplier's instructions. Records of leak test results will be maintained.	Yes
10. Radiation Safety Program – Maintenance	<p><b>Routine Maintenance:</b></p> <p>We will implement procedures for routine maintenance of our gauges according to each manufacturer's or distributor's written recommendations and instructions.</p>	Yes
10. Radiation Safety Program – Fixed Gauges at Temporary Job Sites	The UWS fixed gauges are those that are permanently mounted to vehicles or trailers. Procedures for use of fixed gauges at temporary job sites are incorporated into the UWS RPP and will be implemented, maintained, and distributed and will meet the Criteria in the section entitled 'Radiation Safety Program - Fixed Gauges Used at Temporary Job Sites,' in NUREG-1556, Vol. 4, 'Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Fixed Gauge Licenses,' dated October 1998 and copies of these procedures will be provided to all gauge users.	Yes



## CERTIFICATE OF RADIOLOGICAL TRAINING

*This is to certify that*

**Meghan Yingling**

*has successfully completed the*

**24-HOUR RADIATION SAFETY OFFICER TRAINING COURSE  
INCLUDING INSTRUCTION AS REQUIRED BY NUREG-1556  
VOLUME 4, APPENDIX G AND 49 CFR 172, SUBPART H**

*presented by Applied Health Physics, Inc.  
November 7<sup>th</sup> through November 9<sup>th</sup>, 2012*

  
\_\_\_\_\_  
Todd Y. Mobley  
Director, Technical Services

\_\_\_\_\_  
November 9, 2012  
Date  
\_\_\_\_\_  
November 9, 2015  
DOT Subpart H Expiration Date

**ORIGINAL INVOICE**

Invoice Number	Date	Due Date	Page
552705	10/17/11	11/16/11	1
Sales Rep.	Order Number	Payment Terms	
56541	CO 153924	Net 30 Days	
PO Number		PO Rev	
NSN.20110801			

GERMAN VAT TAX # 205/5929/2808  
IF TAX EXEMPT PLEASE FAX CERT TO 508-520-2808  
REMITTANCE ADDRESS:

Thermo Eberline LLC  
P.O. BOX 712099  
CINCINNATI, OH 45271-2099  
FED ID# 04 3463209

CURRENCY: USD

WIRE TRANSFERS:

BANK OF AMERICA  
NEW YORK, NEWYORK  
Thermo Eberline LLC  
ACC 4426395078  
ABA(ACH PMNTS) 111000025  
ABA(WIRE PMNTS) 026009593  
SWIFT CODE BOFAUS3N

EXPORT: N

SELLER ID: 04-3463209

EISantaFeDetection

Bill To:

UNIVERSAL WELL SERVICES INC  
ATTN: ACCOUNTS PAYABLE  
13549 S MOSIERTOWN RD  
MEADVILLE PA 16335  
US

Ship To:

UNIVERSAL WELL SERVICES INC  
13549 S MOSIERTOWN ROAD  
PO# NSN.20110801  
MEADVILLE PA 16335  
US

For inquires on order  
Call: 800-274-4212 International 508-553-1700  
Fax: 508-520-2815  
Email: customerservice.rmsi@thermofisher.com  
Additional instructions, Terms & Conditions on last page.

CO.	CUSTOMER #	SHIP NO.	TRACKING NUMBER	SHIP DATE	SHIP WEIGHT
3	2034200	61109	175589670450498	10/17/11	3.000 LB
LINE #	ITEM NUMBER/DESCRIPTION	U/M	QUANTITY/PRICE	NET SALES AMOUNT	
	Carrier . . . : FEDEX GROUND MARYELLEN X3231181 10/06/11				
	4250674 (S52) RADEYE G (R/H)	EA	2.000 909.000	1,818.00	
	Serial number: 3270 3271				
	FREIGHT-FDX /GND			9.61	



NET SALES	1,818.00	.00
MISC. CHARGES	.00	.00
FREIGHT CHARGE	9.61	
TAXES	.00	

**AMOUNT DUE**

1,827.61



This is to acknowledge the receipt of your letter/application dated

7/18/13, and to inform you that the initial processing which includes an administrative review has been performed.

New License Application (03038671)  
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

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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** 581462.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.