

November 9, 2010

Nuclear Regulatory Commission Region IV  
612 East Lamar Boulevard, Suite 400  
Arlington, Texas 76011

Attention: Licensing Agent

Subject: Amendment  
Nuclear Density Gauge License No. 46-27696-01  
File No. 00016-001-00

RECEIVED

NOV 16 2010

DNMS

I would like GeoEngineers, Inc. Nuclear Density Gauge License No. 46-27696-01 amended as follows.

Please remove the following temporary storage location from the license:

Justin J. Messmer  
92 South Rolling Green Street  
Nampa, Idaho 83687  
208.761.7288

This temporary storage location pertains to the following gauges covered under the license:

- CPN MC-3 PortaProbe, Serial No. M300805835 - this gauge was returned to Hevly Technical Services on August 8, 2008
- CPN MC-3 PortaProbe, Serial No. M340802200 - ownership of this gauge was transferred to GeoEngineers, Inc. Spokane, Washington office on July 15, 2009

Transfer documentation, proof of delivery and most current leak tests at time of transfer are attached to this letter.

If you have any questions about this letter or the performance of the GeoEngineers, Inc. Radiation Safety Program, please do not hesitate to contact me at 253.383.4940.

Sincerely,  
GeoEngineers, Inc.



Wayne D. Adams  
Corporate Health & Safety Program Manager

MLH:WDA

BOIS:H:\Health & Safety\Radiation Safety\NRC Correspondence\NRC License Amendment Letter 110910.docx

List of Attachments

Hevly Technical Services transfer documentation

GeoEngineers, Inc. Spokane Office transfer documentation

One copy submitted

Disclaimer: Any electronic form, facsimile or hard copy of the original document (email, text, table, and/or figure), if provided, and any attachments are only a copy of the original document. The original document is stored by GeoEngineers, Inc. and will serve as the official document of record.

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September 11, 2008

US NRC Region IV  
Texas Health Resources Tower  
612 East Lamar Boulevard, Suite 400  
Arlington, Texas 76011-4125

FILE COPY

Attention: Rachel Browder

Subject: Letter  
Proof of Return  
Nuclear Density Gauge M300805835

This letter is to inform the NRC that leased nuclear density gauge M300805835 was returned to Duane Hevly, Hevly Technical Services, on August 8, 2008.

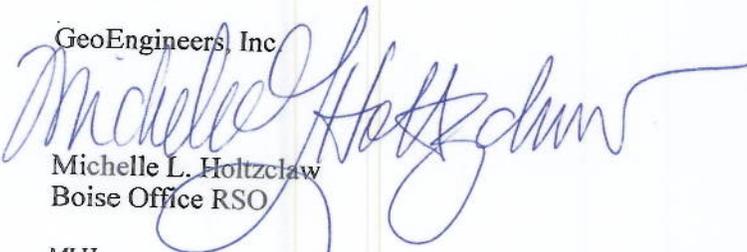
Please find attached shipping documentation for referenced gauge, including proof of delivery.

You may contact our office at your convenience with additional comments or concerns.

Sincerely,

GeoEngineers, Inc

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NOV 16 2010  
DNMS

  
Michelle L. Holtzclaw  
Boise Office RSO

MLH

Boise:H:\Health & Safety\Radiation Safety\NRC Correspondence\HevlyGaugeReturnLtr\_NRC.doc

Attachments: Shipping Documentation, dated August 8, 2008  
Proof of Delivery, dated August 13, 2008

One copy faxed

Disclaimer: Any electronic form, facsimile or hard copy of the original document (email, text, table, and/or figure), if provided, and any attachments are only a copy of the original document. The original document is stored by GeoEngineers, Inc. and will serve as the official document of record.

# FedEx US Airbill

Express

FedEx Tracking Number **850458390606**

**0200** Sender's Copy

**From** Please Print (Last, First, MI)  
**Date** 8/8/08  
**Sender's Name** Michelle Holtzclaw  
**Company** GeoEngineers, Inc.  
**Address** 1525 So. David Lane  
**City** Boise **State** ID **ZIP** 83705  
**Phone** 208, 433 8098

**Your Internal Billing Reference**  
**To Recipient's Name** Duane Herby  
**Company** Herby Technical Services  
**Address** 331 Valley Mall Pkwy Ste 352  
**City** East Wenatchee WA **State** WA **ZIP** 98802 4829  
**Phone** 509, 884 4110  
**00016 001 00 CORP**

**4a Express Package Service**  
 FedEx Priority Overnight  
 FedEx Standard Overnight  
 FedEx First Overnight  
 FedEx Express Saver

**4b Express Freight Service**  
 FedEx 1Day Freight  
 FedEx 2Day Freight  
 FedEx 3Day Freight

**5 Packaging**  
 FedEx Envelope  
 FedEx Pak  
 FedEx Box  
 FedEx Tube  
 Other

**6 Special Handling**  
 SATURDAY Delivery  
 HOLD Weekday at FedEx Location  
 HOLD Saturday at FedEx Location  
 Dry Ice  
 Cargo Aircraft Only

**Payment Bill to:**  
 Sender  
 Recipient  
 Third Party  
 Credit Card  
 Cash/Check  
**Total Packages** 1  
**Total Weight** 80  
**Total Declared Value** \$1000.00

Try online shipping at [fedex.com](http://fedex.com)  
 By using this Airbill you agree to the service conditions on the back of this Airbill and in our current Service Guide, including terms that limit our liability.  
 Questions? Visit our Web site at [fedex.com](http://fedex.com) or call 1.800.GoFedEx 1.800.463.3339.

**8 Sign to Authorize Delivery Without a Signature**  
 By signing you authorize us to deliver this shipment without obtaining a signature and agree to indemnify and hold us harmless from any resulting claims.  
**467**  
 Rev. Date 11/03 - Part #158281 • ©1994-2003 FedEx • PRINTED IN U.S.A. MWMA 04



2622 LOCKHEED LN  
 BOISE, ID 83705

**Location:** BOJA  
**Device ID:** BOJA-POS1  
**Employee:** 90748  
**Transaction:** 68013412639

**EXPRESS SAVER**  
 850458390606 80.00 lb (M) \$131.78  
 Total Declared Value \$1000  
 Shipment subtotal: \$131.78  
 Total Due: \$131.78  
 FedEx Account: \$131.78  
 \*\*\*\*\*6900

M = Weight entered manually  
 S = Weight read from scale  
 T = Taxable item

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 Or call 1.800.GoFedEx  
 1.800.463.3339

August 8, 2008 10:56:46 AM



## Delivery Notification

Dear Customer,

This is in response to your request for delivery information concerning the shipment listed below.

**Tracking Number:** 1Z 66W 5A6 01 9776 976 1  
**Service:** NEXT DAY AIR  
**Shipped/Billed On:** 08/08/2008  
**Delivered On:** 08/11/2008 9:45 A.M.  
**Delivered To:** EAST WENATCHEE, WA, US  
**Signed By:** FOHS  
**Location:** RECEIVER

Thank you for giving us this opportunity to serve you.

Sincerely,  
UPS

Tracking results provided by UPS: 08/12/2008 6:07 P.M. ET



[www.qaltek.com](http://www.qaltek.com)

8000 Anderson Square  
Austin, Texas 78757  
Ph: (512) 407-9252

**Qal-Tek Associates**  
3998 Commerce Circle  
Idaho Falls, Idaho 83401  
Ph: (208) 523-5557  
Fax: (208) 524-8470

3217 W Hampden  
Englewood, CO 80110  
Ph: (303) 319-2022

## SEALED RADIOACTIVE SOURCE LEAK TEST REPORT

Company: Geo Engineers Boise  
Street: 802 West Bannock Ste 700  
City/ST/Zip: Boise, ID 83702  
Phone: -

Fax: LT Frequency: **6** Months

### TEST INSTRUMENT

Mfg'r:	Ludlum	Model:	3030 1	Serial #:	219695	Cal. Date:	1/0/1900
MDA:	<0.005 µCi	α efficiency:	>36%	β efficiency:	>38%	Det. Type:	ZnS (Ag)

Qal-Tek Associates certify the above instrument has been calibrated using radioactive standards traceable to NIST, or traceable to calibration facilities for other ISO members, or have been derived from acceptable values of natural/physical constraints, or have been derived by ratio type of calibration techniques. Accuracy of the principal radiation calibration sources used is greater than or equal to the required accuracy of the equipment being calibrated. The Qal-Tek Associates calibration system conforms to ANSI N323-1997. All calibrations are performed in accordance with the Qal-Tek Associates Quality Assurance Management Program (QAMP) by QP-PRO-001, which is available by written request.

### LEAK TEST RESULTS

Mfg'r	Model #	Inst. Serial #	Isotope	Activity	net α CPM	net b/g CPM	pass/fail
CPN	MC3	5835	AM241	50 Mci	3	1810	pass
			Cs137	10 Mci	3	1810	pass

Date Sources Leak Tested:  
4/15/2008

Next Leak Test Due:  
10/15/2008

Qal-Tek Associates certifies that all leak test measurements are performed in accordance with NRC licensee requirements for isotopic detection limits. For this purpose the MDA is below the NRC regulatory limits of <0.005 uCi

  
Instrument Technician

Clinton Ewert  
Date: 4/15/2008

574116

Letter of Receipt of Gauge with Sealed Sources  
&  
Transfer of Possession



To Radioactive Material Licensing Agencies:

**GeoEngineers, Inc., 1525 S David Lane, Boise, Idaho** has transferred possession and ownership of a portable nuclear moisture/density gauge(s) with a sealed source(s).

Transferred to:

**GeoEngineers, Inc.**  
**523 E 2<sup>nd</sup> Avenue**  
**Spokane, Washington 99202**

**GeoEngineers, Inc., Spokane, Washington** has taken physical and financial responsibility for the disposal of the radioactive sources.

Date of transfer of possession:

July 15, 2009

Model Number: CPN MC series

Serial Number: M340802200

Nuclide: Cs-137 and Am-241/Be Activity: 10 & 0 mCi

Authorized by:

*Michelle Holzschner*  
GeoEngineers, Inc.  
Boise, Idaho

Received by:

*Scott Williams*  
GeoEngineers, Inc.  
Spokane, Washington

GeoEngineers

JUL 20 2009

Routing *DW*     
File

**Michelle Holtzclaw**

---

**From:** AUTOMATED.EMAIL@YRC.COM  
**Sent:** Monday, July 20, 2009 6:53 PM  
**To:** Michelle Holtzclaw  
**Subject:** Shipment Delivery Notification

The shipment status update you requested from YRC, Inc  
PRO 8820469325

Shipper: GEO ENGINEERS, BOISE, ID  
Consignee: GEO ENGINEERS, SPOKANE, WA  
Ref Nos:  
STATUS: Delivered - 07/20/2009 AT 14:39  
Signed By: srit  
DUE DATE: 07/20/2009  
Destination Terminal: SPOKANE, WA PHONE: 800-610-6500

For questions about your shipment, PLEASE CALL THE DESTINATION TERMINAL.  
If you need a shipment expedited, PLEASE CALL 1-888-550-9800.



[www.qaltek.com](http://www.qaltek.com)

8000 Anderson Square  
Austin, Texas 78757  
Ph: (512) 407-9252

**Qal-Tek Associates**  
3998 Commerce Circle  
Idaho Falls, Idaho 83401  
Ph: (208) 523-5557  
Fax: (208) 524-8470

3217 W Hampden  
Englewood, CO 80110  
Ph: (303) 319-2022

## SEALED RADIOACTIVE SOURCE LEAK TEST REPORT

Company: **Geengineers**  
Street: **1525 South David Lane**  
City/ST/Zip: **Boise, ID 83705**  
Phone: **208-433-8098**

Acct#: **100233** Ref #: **W0120**

Fax: \_\_\_\_\_ LT Frequency: **6** Months

### TEST INSTRUMENT

Mfg'r:	<b>NE Bicon</b>	Model:	<b>Electra</b>	Serial #:	<b>815</b>	Cal. Date:	<b>10/01/08</b>
MDA:	<b>&lt;0.005 µCi</b>	α efficiency:	<b>&gt;25%</b>	β efficiency:	<b>&gt;33%</b>	Det. Type:	<b>ZnS (Ag)</b>

Qal-Tek Associates certify the above instrument has been calibrated using radioactive standards traceable to NIST, or traceable to calibration facilities for other ISO members, or have been derived from acceptable values of natural/physical constraints, or have been derived by ratio type of calibration techniques. Accuracy of the principal radiation calibration sources used is greater than or equal to the required accuracy of the equipment being calibrated. The Qal-Tek Associates calibration system conforms to ANSI N323-1997. All calibrations are performed in accordance with the Qal-Tek Associates Quality Assurance Management Program (QAMP) by QP-PRO-001, which is available by written request.

### LEAK TEST RESULTS

Mfg'r	Model #	Inst. Serial #	Isotope	Activity	net α CPM	net b/g CPM	pass/fail
CPN	MC3	2200	AM241	50 Mci	0	53	pass
			Cs137	10 Mci	0	53	pass

Date Sources Leak Tested:  
04/16/09

Next Leak Test Due:  
10/16/09

Qal-Tek Associates certifies that all leak test measurements are performed in accordance with NRC licensee requirements for isotopic detection limits. For this purpose the MDA is below the NRC regulatory limits of <0.005 µCi.

Instrument Technician

Rod Wickham

04/16/09

Date

BETWEEN:

Accounts Receivable/Payable  
and  
Regional Licensing Branches

[ FOR ARPB USE ]  
INFORMATION FROM LTS

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

### License Fee Worksheet - License Fee Transmittal

#### A. REGION

##### 1. APPLICATION ATTACHED

Applicant/Licensee: GEOENGINEERS, INC.  
Received Date: 11/16/2010  
Docket Number: 3035685  
Mail Control Number: 574116  
License Number: 46-27696-01  
Action Type: Notifications

##### 2. FEE ATTACHED

Amount: \_\_\_\_\_

Check No.: \_\_\_\_\_

##### 3. COMMENTS

Signed: Colleen Murnahan

Date: 12-17-2010

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

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

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

Amendment: \_\_\_\_\_

Renewal: \_\_\_\_\_

License: \_\_\_\_\_

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

\_\_\_\_\_

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

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