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NRC FORM 314 <small>(4-2008) 10 CFR 30.38(j)(1), 40.42(j)(1), 70.38(j)(1); and 72.54(k)(5)(1)(1)</small>	U.S. NUCLEAR REGULATORY COMMISSION	APPROVED BY OMB: NO. 3160-0028	EXPIRES: 08/31/2010
CERTIFICATE OF DISPOSITION OF MATERIALS		Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20565-0001, or by internet e-mail to infocollects@nrc.gov , and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0028), 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.	

LICENSEE NAME AND ADDRESS Earth Engineers, Inc DBA Heynen Engineers 380 Maple Ave Cheshire, Ct 06410	LICENSE NUMBER 06-31122-01	DOCKET NUMBER 030-37119
		LICENSE EXPIRATION DATE Jan 31, 2016

This license has expired. **A. LICENSE STATUS (Check the appropriate box)** This license has not yet expired, please terminate it. *Revoked*

B. DISPOSAL OF RADIOACTIVE MATERIAL

(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)

The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

1. No radioactive materials have ever been procured or possessed by the licensee under this license.

2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner:

a. Transfer of radioactive materials to the licensee listed below:
Q/C Resources Technical Services, 3 Simm Ln, Newtown, Ct 06470 #06-30610-01 2/15/2010

b. Disposal of radioactive materials:

1. Directly by the licensee:

2. By licensed disposal site:

3. By waste contractor:

c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

C. SURVEYS PERFORMED AND REPORTED

1. A radiation survey was conducted by the licensee. The survey confirms:

a. the absence of licensed radioactive materials

b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.

2. A copy of the radiation survey results:

a. is attached; or b. is not attached (Provide explanation): or c. was forwarded to NRC on: _____ Date _____

3. A radiation survey is not required as only sealed sources were ever possessed under this license and

a. The results of the latest leak test are attached and/or b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form.

NAME <i>Peter M Heynen</i>	TITLE <i>President</i>	TELEPHONE (Include Area Code) <i>203 437-0063</i>	E-MAIL ADDRESS <i>PHeynen@heynenengineers.com</i>
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Mail all future correspondence regarding this license to
Peter M Heynen, 380 Maple Ave, Cheshire, Ct 06410

C. CERTIFYING OFFICIAL

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE <i>Peter M Heynen, Resident</i>	SIGNATURE <i>[Signature]</i>	DATE <i>3/11/2010</i>
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WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. 18 U.S.C. SECTION 1001 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.



Geotechnical and Environmental Services

March 3, 2010

Division of Nuclear Materials Safety
Region 1
475 Allendale Road
King of Prussia, PA 19406-1415

06-31122-01
03037119

RECEIVED
REGION 1
0303 MAR -03 PM 12: 52

Attn: Scott Wilson
Health Physicist

RE: Troxler 3430
Serial # 37292

Dear Mr. Wilson,

Attached are items that are specific to Earth Engineer's Troxler 3430:

- Letter Acknowledging Transfer of Troxler Device to Q/C Resource Technical Services
- Certificate of Disposition of Materials
- Leak Test Certificate from Humboldt
- Leak Test Certificate from L.T.S.
- Leak Test Certificates from Troxler
- Q/C Resource Technical Services Material License

Please do not hesitate to contact this office should you have any questions.

Very truly yours,

HEYNEN ENGINEERS

Peter M. Heynen, PE
President

CONNECTICUT

380 Maple Avenue • Cheshire, Connecticut 06410
Tel: (203) 439-0063 • Fax: (203) 439-7036

MAINE

1 S. Waterboro Road • Lyman, Maine 04002
Tel: (207) 499-2604 • Fax: (207) 499-2604



Geotechnical and Environmental Services

Peter M Heynen, PE
Earth Engineers Inc
380 Maple Ave
Cheshire, Ct 06410

2/15/2010
Transfer
DATE

Has Transferred

Taxbr 3430 - serial # 37292

To Phillip C. Palitto
President

QIC Resource Tech Services
3 Simm Lan
Newtown, Ct 06470

Signed

Peter M Heynen, PE
Pres Earth Engineers Inc

Phillip C Palitto
Pres QIC Resource Tech Service

FLORIDA
2401 MacLeod Street - Maitland, Florida 32753
Tel: (821) 453-8306 - Fax: (821) 456-9996

CONNECTICUT
11 Peck Street - North Haven, Connecticut 06470
Tel: (203) 865-9133 - Fax: (203) 865-0404

A Division of Earth Engineers, Inc. - An Equal Opportunity Employer
www.heyvenengineers.com

FAX (203) 439-0063

380 Maple Ave
Cheshire, Ct
06410
(203) 439-0063

LEAK TEST CERTIFICATE

Wipe Date 2/06/2010

Instructions

DESCRIPTION OF DEVICE / SOURCE

Model 3430 Ser 37292

SOURCE 1 SOURCE 2

Material AM-241/BE

Source Ser 78-2088

RSD Name Heather Heynen

Telephone (203) 439-0063

Do Not Write In This Space
For HSI Use Only

REMOVABLE ACTIVITY

Be 0 Gam 0 Al 0 a

0 uCi 0 uCi

Humboldt Scientific

By JOTY

Date 02/15/10

- 1 Use wipe procedures as described in the device manual.
- 2 Enter all information under description.
- 3 Print or type return address in the space provided.
- 4 Wipe source (s) and put filter paper in the plastic bag.
- 5 Keep the middle copy and mail this form and bag to Humboldt.
- 6 Regulations require that sources with removable activity greater than 0.005 uCi be removed from service for repair and decontamination or disposal. Authorities must be notified.

5200174
Return
Address
Label
Please
Type or
Print
Clearly

- Heynen Engineers
- 380 Maple Ave.
- Cheshire, CT 06410

HUMBOLDT SCIENTIFIC INC. 551D Pylon Drive. Raleigh, NC 27606, (919) 832-6509



Laboratory Technical Services LLC

2016 N Palafox St Pensacola, FL 32501-2148 P: 850.433.8661 F: 850.433.8663 email: info@lts.com Web: www.lts.com

Attention: Radiation Safety Officer
Peter Heynen
Heynen Engineers
380 Maple Ave.
Cheshire, CT 06410

Leak Test Certificate

Gauge Model: 3400 Series
Sample Date: 2 Feb., 2010

Gauge Serial Number: 37292
Sample Procedure by: C. Messenger

Sealed Source	Source Serial No.:	Activity:	Removable Contamination:
Cs-137 (gamma)		< 8 mCi	< .005 μ Ci
Am-241 (alpha)		< 40 mCi	< .005 μ Ci

This portable nuclear gauge displays no removable contamination and may remain in active service.

The next leak test is due: 2 Aug., 2010

The analysis procedure was performed: 8 Feb., 2010
The .001 μ Ci Cs-137 and Am-241 calibration check sources are NIST traceable.
The Ludlum Alpha, Beta Counter used to perform the analysis was calibrated on Sept. 2009
Federal and Agreement State limit for removable contamination is 0.005 μ Ci (5.0×10^{-3} μ Ci).

Notice: The RSO or owner of the gauge that fails the leak test analysis will be alerted immediately by telephone, e-mail and or fax to remove the gauge from active service

Certified by:

Scott Messenger - RSO
Florida Radioactive Material License 3734-1



Troxler Electronic Laboratories, Inc.
 3008 Cornwallis Rd., P.O. Box 12057
 Research Triangle Park, NC 27709
 Tel: (877) 876-8537 Fax: (919) 485-2250
 License: NC 032-C182-1

BRIAN ENNIS
 HEYDEN TEALE ENGINEERS
 380 MAPLE AVE.
 CHESHIRE, CT 06410

LEAK TEST CERTIFICATE

DEVICE:

Model: 3430 Serial No: 37292

SEALED SOURCES:

Serial No.	Measure Date	Nuclide	GBq	mCi
78-2088	8/25/2005	AM-241 BE	1.48	40
77-4416	1/18/2006	CS-137	0.296	8

LEAK TEST ANALYSIS:

Sample collected on: 01/22/2008
 Sample analyzed on: 02/19/2008 at 9:44:00 AM
 Analyzed by: BARRY M. LEMONS

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.00E+0	2.02E+01
Background measurement (cpm)	1	26
Sample measurement (cpm)	0	20
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	4.8E-01	1.0E-00

This certifies that the leak test results are:

Less than 185 Bq (0.005 uCi)

Greater than 185 Bq (0.005 uCi)

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Amendment No. 3

U.S. NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee	In accordance with the letter dated October 17, 2008.
1. Q/C Resource Technical Services	3. License number 06-30610-01 is amended in its entirety to read as follows:
2. 3 Simm Lane Newtown, Connecticut 06470	4. Expiration date February 28, 2011
	5. Docket No. 030-35611 Reference No.

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Cesium 137	A. Sealed Sources (AEA Technology Model CDCW556; Isotope Products Laboratories Models HEG-137-8M, HEG-137; CPN International Model CPN-131; and Humboldt Scientific, Inc., Dwg. No. 2200064)	A. No single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State and 500 millicuries total.
B. Americium 241	B. Sealed Sources (AEA Technology Model AMNV.997; Isotope Products Laboratories Models Am1.NO2, 3021, 3027; CPN International Model CPN-131; and Humboldt Scientific, Inc., Dwg. No. 2200087)	B. No single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State and 2,000 millicuries total.
C. Cesium 137	C. Analytical samples	C. 1 millicurie
D. Americium 241	D. Analytical samples	D. 1 microcurie

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MATERIALS LICENSE SUPPLEMENTARY SHEET	License Number 06-30610-01
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9. Authorized use:

- A. In Troxler Electronics Model 3400 Series and 3411 Series gauging devices, incident to performing the weld inspection of the source rod, as a commercial service for other persons as defined in 10 CFR 20.1003.
- A. and B. For possession in Troxler Electronics Model 3400 Series, 3411 Series, and 4600 Series gauging devices, Humboldt Scientific model 5000 Series gauging devices, and CPN International Models MC Series gauging devices, incident to performing routine and non-routine maintenance, service and repair as a commercial service for other persons as defined in 10 CFR 20.1003; distribution of these gauging devices to persons authorized to receive the licensed material contained in these devices pursuant to terms and conditions of specific licenses issued by the U.S. Nuclear Regulatory Commission or any Agreement State.
- C. and D. Taking of leak test samples as a service for other persons as defined in 10 CFR 20.1003.

CONDITIONS

10. Licensed material may be used or stored only at the licensee's facilities located at 3 Simm Lane, Newtown, Connecticut.
11. Licensed material shall be used by, or under the supervision and in the physical presence of, individuals who have received the training described in the letters dated December 8, 2000; January 19, 2001; and January 31, 2001.
12. The Radiation Safety Officer for this license is Philip C. Palilla.
13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
14. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed six months or at the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State.
- B. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

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030-35611

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- C. Sealed sources need not be tested if they are in storage and are not being used; however, when they are removed from storage for use or transferred to another person and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- D. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.
- E. Tests for leakage and/or contamination, limited to leak test sample collection, shall be performed by the licensee or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services. The licensee is not authorized to perform the analysis; analysis of leak test samples must be performed by persons specifically licensed by U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.
- F. Records of leak test results shall be kept in units of microcuries and shall be maintained for 5 years.
15. Sealed sources or source rods containing licensed material shall not be opened or sources removed or detached from source rods or gauges by the licensee, except as specifically authorized.
16. The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.
17. Each portable nuclear gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport or storage, or when not under the direct surveillance of an authorized user.
18. The licensee may detach the source or source rod from gauges for the purpose of cleaning, maintenance, or repair of the gauges in accordance with procedures outlined in the letters dated December 8, 2000; January 19, 2001; and January 31, 2001.
19. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

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20. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Letter dated December 8, 2000 (ML003776615)
- B. Letter dated January 19, 2001 (ML010260028)
- C. Letter dated January 31, 2001 (ML010400450)
- D. Letter dated October 17, 2008 (ML083040432)
- E. Facsimile dated January 4, 2009

For the U.S. Nuclear Regulatory Commission

Date January 8, 2009

By *Original signed by Kathy Doice Modes*

Kathy Doice Modes
 Materials Security and Industrial Branch
 Division of Nuclear Materials Safety
 Region I
 King of Prussia, Pennsylvania 19406

Thursday, January 8, 2009 07:27:10