



February 14, 2014

Attn: Jennifer Bishop, Health Physicist
U.S. Nuclear Regulatory Commission, Region III
Division of Nuclear Materials Safety
Materials Licensing Branch
2443 Warrenville Road, Suite 210
Lisle, IL 60532

RE: Additional information needed for License Termination
License No. 24-18995-01, Docket No. 030-17623, Control No. 582736

Dear Jennifer,

Enclosed is a copy of HD Calibration Services, LLC material license, and documents showing that the company has received the device and has possession of the device.

All of the termination procedure that has been carried out for this device was under my direct supervision.

Please call our office at 660-627-1291 or Todd Barnes, RSO at 660-627-1272 should you have any questions or need additional information.

Sincerely,

Alan Griffiths, PE
Public Works Director

Enclosure

Cc: file
Todd Barnes



**TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF RADIOLOGICAL HEALTH
WILLIAM R. SNODGRASS TENNESSEE TOWER, 15TH FLOOR
312 ROSA L. PARKS AVENUE, NASHVILLE, TENNESSEE 37243**

RADIOACTIVE MATERIAL LICENSE

Amendment 5

Pursuant to Tennessee Department of Environment and Conservation Regulations, 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 radioactive material listed below; and to use such radioactive material for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules and regulations of the Tennessee Department of Environment and Conservation and orders of the Division of Radiological Health, now or hereafter in effect and to any conditions specified below.

LICENSEE 1. Name HD Calibration Services 2. Address 7145 Eureka Road NW Cleveland, Tennessee 37312		3. License number R-06015-H16 amended in its entirety
		4. Expiration date August 31, 2016
		5. File no. R-06015
6. Radioactive Material (Element and Mass Number)	8. Chemical and/or physical form	9. Maximum Radioactivity and/or quantity of material which licensee may possess at any one time.

See Supplementary Sheets

10. Authorized Use

See Supplementary Sheets

CONDITIONS

11. Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.

See Supplementary Sheets

For the Commissioner
Tennessee Department of Environment and Conservation

Date of Issuance January 13, 2013

By: 

Division of Radiological Health
Ronald J. Parsons
Health Physicist

Page 1 of 6 Pages



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Page 2 of 6 Pages

License Number R-06015-H16

6. Radioactive Material (Element and Mass Number)	8. Chemical and/or Physical Form	9. Maximum Radioactivity and/or Quantity of Material Which Licensee May Possess at Any One Time
A. Cesium 137	A. Sealed Source (AEA Technology/QSA, Inc. Model number CDCW556 or IPL Model no. HEG-137)	A. Nine (9) sources not to exceed 9 millicuries each
B. Americium 241: Beryllium	B. Sealed Source (AEA Technology/QSA, Inc. Model number AMNV.997 or IPL Model numbers 3021, 3027, and Am1.NO2)	B. Nine (9) sources not to exceed 44 millicuries each
C. Cesium 137	C. Sealed Source (Humboldt Scientific Drawing No. B-2200064)	C. Two (2) sources not to exceed 11 millicuries each
D. Americium 241: Beryllium	D. Sealed Source (Humboldt Scientific Drawing No. B-2200067)	D. Two (2) sources not to exceed 44 millicuries each
E. Cesium 137	E. Sealed Source (Campbell Pacific Nuclear Model No. CPN-131)	E. Nine (9) sources not to exceed 11 millicuries each
F. Americium 241: Beryllium	F. Sealed Source (Campbell Pacific Nuclear Model No. CPN-131)	F. Nine (9) sources not to exceed 55 millicuries each
G. Cesium 137	G. Sealed Source (AEA Technology/QSA, Inc. Model number CDC.805 or IPL Model no. HEG-137)	G. Two (2) sources not to exceed 11 millicuries each

RADIOACTIVE MATERIAL LICENSE

Amendment 5

Page 3 of 6 Pages

License Number R-06015-H16

- | | | |
|--------------------------------|--|---|
| H. Americium 241:
Beryllium | H. Sealed Source (AEA
Technology/QSA,
Inc. Model number
AMN.V997 or IPL
Model number
AM1.NO2) | H. Two (2) sources
not to exceed 44
millicuries each |
| I. Americium 241:
Beryllium | I. Sealed Source (Troxler
Drawing No. A-
100608
or A-100337) | I. Two (2) sources
not to
exceed 100
millicuries each. |

10. Authorized Use

- A. and B. To be used as components of Troxler Electronic Laboratories Model 3400 series or 4640 series density gauges for temporary possession, maintenance, leak test sample acquisition, repair, calibration, demonstrations, and resale.
- C. and D. To be used as components of Humboldt Scientific, Inc. Model 5001 Series moisture/density gauges for temporary possession, maintenance, leak test sample acquisition, repair, calibration, demonstrations, and resale.
- E. and F. To be used as components of Campbell Pacific Nuclear Corporation Model MC Series moisture/density gauges for temporary possession, maintenance, leak test sample acquisition, repair, calibration, demonstrations, and resale.
- G. and H. To be used as components of Instro Tek, Inc. Model 3500 Xplorer moisture/density gauges for temporary possession, maintenance, leak test sample acquisition, repair, calibration, demonstrations, and resale.
- I. To be used as components of Troxler Model 3241-C Asphalt Content gauges for temporary possession, maintenance, leak test sample acquisition, buy and resale.

Conditions (continued)

12. The licensee shall comply with applicable provisions of 0400-20-04, 0400-20-05, and 0400-20-10, of "State Regulations for Protection Against Radiation."
13. Radioactive material authorized by this license shall be used only at temporary job sites of the licensee, in areas not under exclusive Federal jurisdiction, throughout the State of Tennessee.



TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF RADIOLOGICAL HEALTH
3RD FLOOR, L&C ANNEX, 401 CHURCH STREET, NASHVILLE, TENNESSEE 37243

RADIOACTIVE MATERIAL LICENSE

Amendment 3

Page 1 of 2 Pages

License Number R-06015-H16

HD Calibration Services
7145 Eureka Road NW
Cleveland, Tennessee 37312

Attention: Darwin K. White, Radiation Safety Officer

As requested by Darwin K. White and in accordance with his letter dated March 23, 2010, your Tennessee Radioactive Material License number R-06015-H16 is amended as follows:

To change Items 9. A, B, C, D, E, F, G and H and Condition 24. These items and this condition will now read as follows:

- 9. A. Nine (9) sources not to exceed 9 millicuries.
 - 9. B. Nine (9) sources not to exceed 44 millicuries.
 - 9. C. Two (2) sources not to exceed 11 millicuries.
 - 9. D. Two (2) sources not to exceed 44 millicuries.
 - 9. E. Nine (9) sources not to exceed 11 millicuries.
 - 9. F. Nine (9) sources not to exceed 55 millicuries.
 - 9. G. Two (2) sources not to exceed 11 millicuries
 - 9. H. Two (2) sources not to exceed 44 millicuries.
 - 24. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material described in Items 6, 8, and 9 of this license in accordance with statements, representations, and procedures contained in the following:
 - Application received May 9, 2006, with attachments
 - Letter received April 3, 2006
 - Letters dated July 2, 2006, with attachments, December 8, 2008, and March 23, 2010.
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TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION
DIVISION OF RADIOLOGICAL HEALTH
3RD FLOOR, L&C ANNEX, 401 CHURCH STREET, NASHVILLE, TENNESSEE 37243

RADIOACTIVE MATERIAL LICENSE

Amendment 3

Page 2 of 2 Pages

License Number R-06015-H16

All other parts of this license remain unchanged.

Date: March 25, 2010

For the Commissioner
Tennessee Department of
Environment and Conservation

By Sasi Krishnasarma
Sasi Krishnasarma
Health Physicist
Division of Radiological Health

RADIOACTIVE MATERIAL TRANSFER SHEET

DEVICE BEING TRANSFERRED

GAUGE MODEL Troxler 3430 SERIAL NUMBER: 37059

SOURCE SERIAL NUMBER: 77-4160 (Cs-137) 78-1934 (Am241:Be)

Leak Test date: 1/7/2013 (see attached)

Survey reading of gauge (In mrem): Less than 5mrem
(Surveyed from 1 meter)

TRANSFERRING THE DEVICE FROM:

Company: City of Kirksville, MO

Address: 201 South Franklin Street

Kirksville, MO 63501

Radioactive Materials License Number: 24-18995-01

State: MO

Company Representative: CRAIG DAWSON Signature: Craig Dawson

TRANSFERRING THE DEVICE TO:

Company: HD Calibration Services, LLC

Address: 7145 Eureka Road NW

Cleveland, TN 37312

Radioactive Materials License Number: R-06015-H16

State: TN

Expiration Date: August 31, 2016

DATE OF TRANSFER: 12-10-2013

Company Representative: Darwin K. White Signature: Darwin K. White

Craig Dawson

From: Darwin White [hdcalibration@hotmail.com]
Sent: Saturday, December 28, 2013 12:48 PM
To: Craig Dawson
Subject: RE: Documents

I received the gauge Friday.
Thanks

From: cdawson@kirksvillemcity.com
To: hdcalibration@hotmail.com
CC: ryan.craffey@nrc.gov; agriffiths@kirksvillemcity.com; mmacomber@kirksvillemcity.com
Subject: RE: Documents
Date: Thu, 19 Dec 2013 15:08:52 +0000

The Troxler 3430 was picked up at our office yesterday 12-18-2013 about 3:45 p.m. by Dohrn trucking (R+L Carriers) and is headed your way. Shipping Number 2403051146. NRC was contacted by phone and they had no issues with the shipment. Please let me know by email when you receive it at your facility. Thank you. Craig dawson

From: Darwin White [mailto:hdcalibration@hotmail.com]
Sent: Thursday, December 12, 2013 7:06 PM
To: Craig Dawson
Subject: Documents

Please print 3 copies of each of the forms above except the transfer sheet. Keep a copy for yourself, give a copy to the driver, and tape a copy to the gauge box. Also fill in the date on the BOL. I will send a truck there tomorrow (Friday) if you are going to be there.

thanks

Darwin K. White
HD Calibration Services, LLC
7145 Eureka Rd. NW
Cleveland, TN 37312
(423) 242-8742
Fax (423) 559-7982
www.hdcalibration.com

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Craig Dawson

From: Craffey, Ryan [Ryan.Craffey@nrc.gov]
Sent: Wednesday, December 18, 2013 9:07 AM
To: Craig Dawson
Subject: RE:

I just talked to the State of TN to confirm that HD Calibration Services LLC is authorized to possess up to nine Troxler 3430 gauges.

-----Original Message-----

From: Craig Dawson [mailto:cdawson@kirksvillegcity.com]
Sent: Tuesday, December 17, 2013 3:54 PM
To: Craffey, Ryan
Cc: Alan Griffiths
Subject: FW:

As requested per our phone conversation today, I have attached the shipping and transfer documents relative to the sale and transfer of our Troxler 3430 gauge to HD Calibration Services L.L.C.. This gauge should be picked up and shipped on December 18, 2013. These documents are for your files, and thank you for your kind consideration of this matter.
Craig Dawson

-----Original Message-----

From: device@kirksvillegcity.com [mailto:device@kirksvillegcity.com]
Sent: Tuesday, December 17, 2013 3:36 PM
To: Craig Dawson
Subject:

Please open the attached document. This document was digitally sent to you using an HP Digital Sending device.

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City of Kirksville
Public Works Department
Engineering Division
201 S. Franklin
Kirksville, MO 63501

JENNIFER BISHOP

U.S. NUCLEAR REGULATORY COMMISSION, REGION III
DIVISION OF NUCLEAR MATERIALS SAFETY
MATERIALS LICENSING BRANCH
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532

