



An ISO 9001:2000
Certified Company

1 Madison Ave
Cadillac, MI 49601
231-775-7755
Fax: 231-775-3135
www.wilcox.us

Built on Quality -
continuously improving our
quality of service to meet
and exceed our
clients' expectations.

February 26, 2013

U.S. Nuclear Regulatory Commission, Region III
Materials Licensing Section
2443 Warrenville Road Ste 210
Lisle, IL 60532-4352

RE: Cancellation of License No. 21-23314-01 (Wilcox Associates, Inc.)

Wilcox Professional Services, LLC (Wilcox) would like to request termination of the above referenced materials license.

Gauges formerly stored at the facilities listed on our license 8486 Mackinaw Trail, Cadillac, MI, 8180 Broadmoor Ave, SE Caledonia, MI, 37871 Interchange Dr Farmington Hills, MI, 3205 US-23 South Alpena, MI, 5859 Sherman Rd Saginaw, MI, 3500 Ludington Street, Suite 310, Escanaba, MI have transferred possession and ownership of the 26 owned nuclear gauges to a licensed company.

2a. The transfer date of the gauges was 2-21-12. Hevly Technical Services, Duane Hevly 602-909-5940, WN-I0335-1 (22 gauges) ---InstroTek, Steve James (616) 726-5850, 32-32666-01 (4 gauges),

3b We confirm that no leaking sealed sources were ever stored/ used at 8486 Mackinaw Trail, Cadillac, MI, 8180 Broadmoor Ave, SE Caledonia, MI, 37871 Interchange Dr Farmington Hills, MI, 3205 US-23 South Alpena, MI, 5859 Sherman Rd Saginaw, MI, 3500 Ludington Street, Suite 310, Escanaba, MI All leak tests performed on the gauges stored at these locations have always been less than 185Bq (0.005uCi). I have included a copy of the leak test records, current as the date of transfer, which confirms the non-leaking status of the source(s) in each gauge.

We confirm that no gauges /licensed material remain at 8486 Mackinaw Trail, Cadillac, MI, 8180 Broadmoor Ave, SE Caledonia, MI, 37871 Interchange Dr Farmington Hills, MI, 3205 US-23 South Alpena, MI, 5859 Sherman Rd Saginaw, MI, 3500 Ludington Street, Suite 310, Escanaba, MI

RECEIVED FEB 28 2013



If you need additional information, please contact the office at 231-775-7755.

Sincerely,

WILCOX PROFESSIONAL SERVICES, LLC

Joshua A Gottschall
Radiation Safety Officer

Enclosures

CERTIFICATE OF DISPOSITION OF MATERIALS

LICENSEE NAME AND ADDRESS

Wilcox Associates, Inc.
One Madison Avenue
Cadillac, MI 49601

LICENSE NUMBER

21-23314-01

DOCKET NUMBER

030-20901

LICENSE EXPIRATION DATE

June 30, 2015

A. LICENSE STATUS (Check the appropriate box)

- ☐
- This license has expired.
- ☒
- This license has not yet expired; please terminate it.

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:
See Attached Letter.
- ☐ 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	TITLE	TELEPHONE (Include Area Code)	E-MAIL ADDRESS
Joshua Gottschall	Radiation Safety Officer	231-846-0986	Josh.Gottschall@Wilcox.us

Mail all future correspondence regarding this license to:

Wilcox Associates, One Madison Ave, Cadillac Mi, 49601

C. CERTIFYING OFFICIAL

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

PRINTED NAME AND TITLE

Dean Geers, VP

SIGNATURE



DATE

2.26.13

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.



Hevly Technical Services

331 Valley Mall Parkway #352 East Wenatchee, WA 98802
509/630-2686 hevly@hevly.net

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

To Radioactive Material Licensing Agencies:

Duane Hevly dba Hevly Technical Services Company has taken custody of 22 portable nuclear gauge(s) with a sealed source(s) for transfer of possession and ownership from:

Wilcox Professional Services, LLC
1 Madison Ave
Cadillac, MI 49601

Date of Transfer of Possession: 21 February 2013

Gauge Model: Troxler 3400 series

Serial Numbers: 19987 19992 23556 23854 23855 35061 35683 60547 20067 20675 20838
23766 24532 24533 24535 31950 31951 65139 13226 15392 15992 & 2137.

Nuclides: Am-241:Be Activity: not greater than 50mCi
Cs-137 Activity: not greater than 10mCi

A leak test analysis procedure displayed no removable contamination.

Accepted and received by: Duane Hevly

Authorized by: Josh Gottschall, RSO, Wilcox Professional Services

Duane A. Hevly, State of WA Radioactive Materials License Number: WN-I0534-1.



InstroTek,
Inc.

InstroTek, Inc.
4495 44th Street SE, Suite A
Grand Rapids, MI 49512
Ph: 616-726-5850
www.InstroTek.com

Return Authorization Number: 45016AC

LETTER OF RECEIPT OF GAUGE / SEALED SOURCE

To Radioactive Material Licensing Agencies:

InstroTek, Inc. has taken possession of the following nuclear gauges.

Gauge Manufacturer	Model	Serial Number	Nuclide	Nuclide /Activity
Troxler	3440	24534	Am-241/Be Cs-137	40 mCi 8 mCi
Troxler	3440	22945	Am-241/Be Cs-137	40 mCi 8 mCi
Troxler	3440	23194	Am-241/Be Cs-137	40 mCi 8 mCi
Troxler	3450	570	Am-241/Be Cs-137	40 mCi 8 mCi

Gauge(s) transferred from: Wilcox Professional Services
Josh Gottschall RSO
One Madison Ave
Cadillac, MI 49601

Date of transfer: February 21, 2013

Steven James
InstroTek, Inc.

SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION

1. LICENSEE/LOCATION INSPECTED: Wilcox and Associates 1 Madison Ave. Cadillac, MI 49601 REPORT NUMBER(S) 13001		2. NRC/REGIONAL OFFICE Region III U. S. Nuclear Regulatory Commission 2443 Warrenville Road, Suite 210 Lisle, IL 60532-4352
3. DOCKET NUMBER(S) 030-20901	4. LICENSE NUMBER(S) 21-23314-01	5. DATE(S) OF INSPECTION 1/29-2/26/13

LICENSEE:

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

- ☒ 1. Based on the inspection findings, no violations were identified.
- ☐ 2. Previous violation(s) closed.
- ☐ 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, to exercise discretion, were satisfied.

Non-cited violation(s) were discussed involving the following requirement(s):

- ☐ 4. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited in accordance with NRC Enforcement Policy. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.
(Violations and Corrective Actions)

Statement of Corrective Actions

I hereby state that, within 30 days, the actions described by me to the Inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

TITLE	PRINTED NAME	SIGNATURE	DATE
LICENSEE'S REPRESENTATIVE			
NRC INSPECTOR	Ed Kulzer	<i>E. D. Kulzer</i>	2/26/13
BRANCH CHIEF	Tamara Bloomer	<i>T. Bloomer</i>	2/26/13

0570

InstroTek, Inc.
5908 Triangle Drive
Raleigh, NC 27617
(919)875-8371 Fax (919)875-8328

12/4/2012
Test Number: 2

JOSH GOTTSCHALL
WILCOX (CADILLAC)
ONE MADISON AVE
CADILLAC, MI 49601

Phone: (231)775-7755
Fax: (231)775-3135

LEAK TEST CERTIFICATE

NC Materials License #092-1073-1

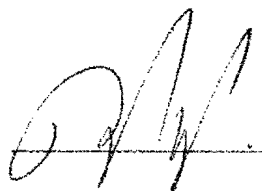
This certifies that leak test analysis was conducted on the sample with the following information. The results shown below accurately represent the level of removable contamination.

Gauge Model: 3450
Gauge S/N: 570

Test Date: 11/30/2012

Source (Model/Serial#)	Reading in microCuries
47-28592	0.00000
750-7710	0.00028

Note: 0.005 microCuries (185 Bq) or greater is considered a leaking source.* The source(s) tested above may remain in use.

Reviewed by: 

Date: 12/04/2012

Customer Signature: _____

Date: _____

*CPN gauges are 50 mCi Am241:Be and 10 mCi Cs-137. Humboldt gauges are 40 mCi Am241:Be and 10 mCi Cs-137. InstroTek Gauge is 40 mCi Am241:Be and 10 mCi Cs-137. Troxler gauges all, except 4640, are 40 mCi Am241:Be and 8 mCi Cs-137. Troxler 4640 is 8 mCi Cs-137.

**Troxler Electronic Laboratories, Inc.**

3008 Cornwallis Rd., P.O. Box 12057

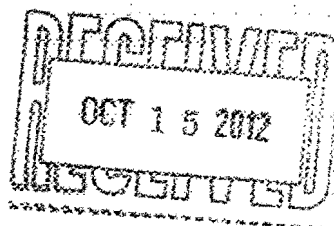
Research Triangle Park, NC 27709

Tel: (877) 876-9537 Fax: (866) 391-2759

License: NC 032-0182-1

2137

DALE SARANEN
WILCOX PROFESSIONAL SERVICES LLC
3205 US-23
ALPENA, MI 49707



Cust ID: 12482

LEAK TEST CERTIFICATE**DEVICE:**

Model: 4640

Serial No: 2137

SEALED SOURCES:

Serial No.	Measure Date	Nuclide	GBq	mCi
750-4129	10/15/1998	Cs-137	0.296	8

LEAK TEST ANALYSIS:

Sample collected on: 09/06/2012

Sample analyzed on: 09/27/2012 11:09:58 A Position: 59

Analyzed by: ttaylor

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.27E+01	1.99E+01
Background measurement (cpm)	1	27
Sample measurement (cpm)	0	22
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	6.3E-01	1.4E+00

This certifies that the leak test results are:

☒ Less than 185 Bq (0.005 uCi)☐ Greater than 185 Bq (0.005 uCi)

**Troxler Electronic Laboratories, Inc.**

3008 Cornwallis Rd., P.O. Box 12057
Research Triangle Park, NC 27709
Tel: (877) 876-9537 Fax: (866) 391-2759
License: NC 032-0182-1

13226

#1
ID 3251

JACK NIEMI
WILCOX PROFESSIONAL SERVICES
5859 SHERMAN ROAD
SAGINAW, MI 48604

Cust ID: 6657

LEAK TEST CERTIFICATE**DEVICE:**

Model: 3411

Serial No: 13226

SEALED SOURCES:

Serial No.	Measure Date	Nuclide	GBq	mCi
50-1928	01/16/1986	Cs-137	0.296	8
47-8516	10/22/1985	Am-241:Be	1.48	40

LEAK TEST ANALYSIS:

Sample collected on: 09/12/2012

Sample analyzed on: 09/19/2012 1:35:40 PM Position: 3

Analyzed by: TTAYLOR

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.27E+01	1.99E+01
Background measurement (cpm)	1	27
Sample measurement (cpm)	1	22
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	6.3E-01	1.4E+00

This certifies that the leak test results are:

☒ Less than 185 Bq (0.005 uCi) ☐ Greater than 185 Bq (0.005 uCi)*Jack Niemi*
9/19/12

InstroTek, Inc.
5908 Triangle Drive
Raleigh, NC 27617
(919)875-8371 Fax (919)875-8328

11/13/2012
Test Number: 5

15392
#2
ID# 3152

JACK NIEMI
WILCOX (SAGINAW)
5859 Sherman Rd
Saginaw, MI 48604

Phone: (989)752-6500
Fax: (989)752-6600

LEAK TEST CERTIFICATE

NC Materials License #092-1073-1

This certifies that leak test analysis was conducted on the sample with the following information. The results shown below accurately represent the level of removable contamination.

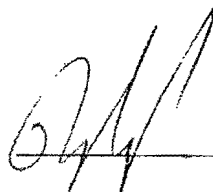
Gauge Model: 3411
Gauge S/N: 15392

Test Date: 11/8/2012

Source (Model/Serial#)	Reading in microCuries
47-10780	0.00000
50-4313	0.00027

Note: 0.005 microCuries (185 Bq) or greater is considered a leaking source.* The source(s) tested above may remain in use.

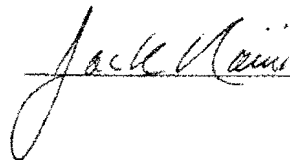
Reviewed by:



Date:

11/13/2012

Customer Signature:



Date:

11/14/12

*CPN gauges are 50 mCi Am241:Be and 10 mCi Cs-137. Humboldt gauges are 40 mCi Am241:Be and 10 mCi Cs-137. InstroTek Gauge is 40 mCi Am241:Be and 10 mCi Cs-137. Troxler gauges all, except 4640, are 40 mCi Am241:Be and 8 mCi Cs-137. Troxler 4640 is 8 mCi Cs-137.

InstroTek, Inc.
5908 Triangle Drive
Raleigh, NC 27617
(919)875-8371 Fax (919)875-8328

9/20/2012
Test Number: 5

1599Z
#3
ID 3253

JACK NIEMI
WILCOX (SAGINAW)
5859 Sherman
Saginaw, MI 48604

Phone: (989)752-6500
Fax: (989)752-6600

LEAK TEST CERTIFICATE

NC Materials License #092-1073-1


This certifies that leak test analysis was conducted on the sample with the following information. The results shown below accurately represent the level of removable contamination.

Gauge Model: 3411
Gauge S/N: 15992


Test Date: 9/12/2012

Source (Model/Serial#)	Reading in microCuries
47-11400	0.00000
50-5016	0.00026

Note: 0.005 microCuries (185 Bq) or greater is considered a leaking source.* The source(s) tested above may remain in use.

Reviewed by: 

Date: 9/20/2012

Customer Signature: 

Date: 9/25/12

*CPN gauges are 50 mCi Am241:Be and 10 mCi Cs-137. Humboldt gauges are 40 mCi Am241:Be and 10 mCi Cs-137. InstroTek Gauge is 40 mCi Am241:Be and 10 mCi Cs-137. Troxler gauges all, except 4640, are 40 mCi Am241:Be and 8 mCi Cs-137. Troxler 4640 is 8 mCi Cs-137.

**Troxler Electronic Laboratories, Inc.**

3008 Cornwallis Rd., P.O. Box 12057

Research Triangle Park, NC 27709

Tel: (877) 876-9537 Fax: (866) 391-2759

License: NC 032-0182-1

19987
#6

JACK NIEMI
WILCOX PROFESSIONAL SERVICES
5859 SHERMAN ROAD
SAGINAW, MI 48604

Cust ID: 6657

LEAK TEST CERTIFICATE**DEVICE:**

Model: 3430

Serial No: 19987

SEALED SOURCES:

Serial No.	Measure Date	Nuclide	GBq	mCi
47-15471	01/15/1991	Am-241:Be	1.48	40
75-1198	02/12/1991	Cs-137	0.296	8

LEAK TEST ANALYSIS:

Sample collected on: 09/19/2012

Sample analyzed on: 09/27/2012 8:13:57 AM Position: 31

Analyzed by: ttaylor

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.27E+01	1.99E+01
Background measurement (cpm)	1	27
Sample measurement (cpm)	0	28
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	6.3E-01	1.4E+00

This certifies that the leak test results are:

☒ Less than 185 Bq (0.005 uCi)☐ Greater than 185 Bq (0.005 uCi)*Jack Niemi*
10/15/12

**Troxler Electronic Laboratories, Inc.**

3008 Cornwallis Rd., P.O. Box 12057

Research Triangle Park, NC 27709

Tel: (877) 876-9537 Fax: (866) 391-2759

License: NC 032-0182-1

19992

MATT HISKE
WILCOX PROFESSIONAL SERVICES
8180 BROADMOOR AVENUE SE.
CALEDONIA, MI 49316

RECEIVED

Cust ID: 4964

SEP 1 2012

WILCOX PROFESSIONAL SERVICES, LLC
CALEDONIA, MI

LEAK TEST CERTIFICATE**DEVICE:**

Model: 3430

Serial No: 19992

SEALED SOURCES:

Serial No.	Measure Date	Nuclide	GBq	mCi
47-15476	01/15/1991	Am-241:Be	1.48	40
75-1206	02/12/1991	Cs-137	0.296	8

LEAK TEST ANALYSIS:

Sample collected on: 08/22/2012

Sample analyzed on: 08/30/2012 1:10:08 PM Position: 22

Analyzed by: drose

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.27E+01	1.99E+01
Background measurement (cpm)	1	27
Sample measurement (cpm)	1	28
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	6.3E-01	1.4E+00

This certifies that the leak test results are:



Less than 185 Bq (0.005 uCi)



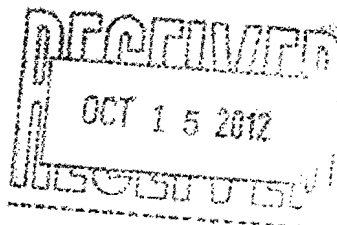
Greater than 185 Bq (0.005 uCi)

**Troxler Electronic Laboratories, Inc.**

3008 Cornwallis Rd., P.O. Box 12057
Research Triangle Park, NC 27709
Tel: (877) 876-9537 Fax: (866) 391-2759
License: NC 032-0182-1

20067

DALE SARANEN
WILCOX PROFESSIONAL SERVICES LLC
3205 US-23
ALPENA, MI 49707



Cust ID: 12482

LEAK TEST CERTIFICATE**DEVICE:**

Model: 3440

Serial No: 20067

SEALED SOURCES:

Serial No.	Measure Date	Nuclide	GBq	mCi
47-15551	01/20/1991	Am-241:Be	1.48	40
75-1318	01/05/1991	Cs-137	0.296	8

LEAK TEST ANALYSIS:

Sample collected on: 09/18/2012

Sample analyzed on: 09/21/2012 11:10:48 A Position: 18

Analyzed by: TTAYLOR

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.27E+01	1.99E+01
Background measurement (cpm)	1	27
Sample measurement (cpm)	5	30
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	6.3E-01	1.4E+00

This certifies that the leak test results are:

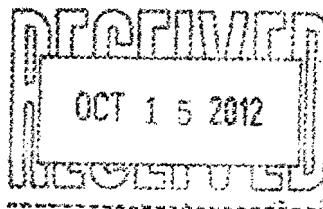
☒ Less than 185 Bq (0.005 uCi)☐ Greater than 185 Bq (0.005 uCi)

**Troxler Electronic Laboratories, Inc.**

3008 Cornwallis Rd., P.O. Box 12057
Research Triangle Park, NC 27709
Tel: (877) 876-9537 Fax: (866) 391-2759
License: NC 032-0182-1

20675

DALE SARANEN
WILCOX PROFESSIONAL SERVICES LLC
3205 US-23
ALPENA, MI 49707



Cust ID: 12482

LEAK TEST CERTIFICATE**DEVICE:****Model:** 3440**Serial No:** 20675**SEALED SOURCES:**

Serial No.	Measure Date	Nuclide	GBq	mCi
47-16165	12/16/1991	Am-241:Be	1.48	40
75-2060	09/16/1991	Cs-137	0.296	8

LEAK TEST ANALYSIS:**Sample collected on:** 09/18/2012**Sample analyzed on:** 09/21/2012 11:12:01 A **Position:** 19**Analyzed by:** TTAYLOR

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.27E+01	1.99E+01
Background measurement (cpm)	1	27
Sample measurement (cpm)	1	24
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	6.3E-01	1.4E+00

This certifies that the leak test results are:☒ **Less than 185 Bq (0.005 uCi)**☐ **Greater than 185 Bq (0.005 uCi)**

10/20/12

20838

Instrotek, Inc.
1015 Triangle Blvd.
Raleigh, NC 27617
919-875-8371 Fax 919-875-8372

11/20/2012
11:11:11

JOHN GOTTSCHALL
WILSON (CADILLAC)
ONE MADISON AVE
CADILLAC, MI 49601

Phone: (231) 778-7765
Fax: (231) 778-1111

LEAK TEST CERTIFICATE

NC Materials License #092-1073-1

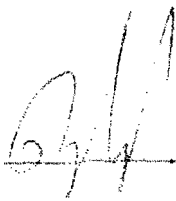
This certifies that leak test analysis was conducted on the sample with the following information. The results shown below accurately represent the level of removable contamination.

Gauge Model: 3440
Gauge S/N: 20838

Test Date: 11/20/2012

Source (Model/Serial#)	Reading in microCuries
47-16334	0.00000
75-2243	0.00031

Note: 0.005 microCuries (185 Bq) or greater is considered a "leaking source." The source(s) tested above may remain in use.

Reviewed by: 

Date: 11/28/2012

Customer Signature: _____

Date: _____

*IEN gauges are 50 mCi Am241:Be and 10 mCi Cs-137. Hurboldt gauges are 40 mCi Am241:Be and 10 mCi Cs-137. Instrotek Gauge is 40 mCi Am241:Be and 10 mCi Cs-137. Troxler gauges all, except 4640, are 40 mCi Am241:Be and 8 mCi Cs-137. Troxler 4640 is 8 mCi Cs-137.

InstroTek, Inc.
5908 Triangle Drive
Raleigh, NC 27617
(919)875-8371 Fax (919)875-8328

22945

12/4/2012
Test Number: 3

JOSH GOTTSCHALL
WILCOX (CADILLAC)
ONE MADISON AVE
CADILLAC, MI 49601

Phone: (231)775-7755
Fax: (231)775-3135

LEAK TEST CERTIFICATE

NC Materials License #092-1073-1

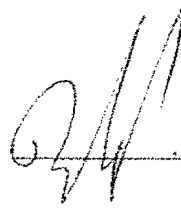
This certifies that leak test analysis was conducted on the sample with the following information. The results shown below accurately represent the level of removable contamination.

Gauge Model: 3440
Gauge S/N: 22945

Test Date: 11/30/2012

Source (Model/Serial#)	Reading in microCuries
47-18095	0.00000
75-4747	0.00023

Note: 0.005 microCuries (185 Bq) or greater is considered a leaking source.° The source(s) tested above may remain in use.

Reviewed by: 

Date: 12/04/2012

Customer Signature: _____

Date: _____

°CPN gauges are 50 mCi Am241:Be and 10 mCi Cs-137. Humboldt gauges are 40 mCi Am241:Be and 10 mCi Cs-137. InstroTek Gauge is 40 mCi Am241:Be and 10 mCi Cs-137. Troxler gauges all, except 4640, are 40 mCi Am241:Be and 8 mCi Cs-137. Troxler 4640 is 8 mCi Cs-137.

InstroTek, Inc.
5908 Triangle Drive
Raleigh, NC 27617
(919)875-8371 Fax (919)875-8328

23194

12/4/2012
Test Number: 3

JOSH GOTTSCHALL
WILCOX (CADILLAC)
ONE MADISON AVE
CADILLAC, MI 49601

Phone: (231)775-7755
Fax: (231)775-3135

LEAK TEST CERTIFICATE

NC Materials License #092-1073-1

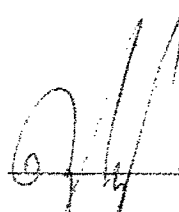
This certifies that leak test analysis was conducted on the sample with the following information. The results shown below accurately represent the level of removable contamination.

Gauge Model: 3440
Gauge S/N: 23194

Test Date: 11/30/2012

Source (Model/Serial#)	Reading in microCuries
47-19032	0.00000
75-5187	0.00024

Note: 0.005 microCuries (185 Bq) or greater is considered a leaking source.^o The source(s) tested above may remain in use.

Reviewed by: 

Date: 12/04/2012

Customer Signature: _____

Date: _____

^oCPN gauges are 50 mCi Am241:Be and 10 mCi Cs-137. Humboldt gauges are 40 mCi Am241:Be and 10 mCi Cs-137. InstroTek Gauge is 40 mCi Am241:Be and 10 mCi Cs-137. Troxler gauges all, except 4640, are 40 mCi Am241:Be and 2 mCi Cs-137. Troxler 4640 is 2 mCi Cs-137.

**Troxler Electronic Laboratories, Inc.**

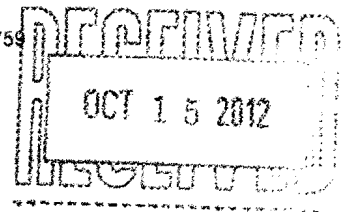
3008 Cornwallis Rd., P.O. Box 12057

Research Triangle Park, NC 27709

Tel: (877) 876-9537 Fax: (866) 391-2759

License: NC 032-0182-1

23556



DALE SARANEN
WILCOX PROFESSIONAL SERVICES LLC
3205 US-23
ALPENA, MI 49707

Cust ID: 12482

LEAK TEST CERTIFICATE**DEVICE:****Model:** 3430**Serial No:** 23556**SEALED SOURCES:**

Serial No.	Measure Date	Nuclide	GBq	mCi
47-19458	04/30/1994	Am-241:Be	1.48	40
75-5619	04/14/1994	Cs-137	0.296	8

LEAK TEST ANALYSIS:**Sample collected on:** 09/10/2012**Sample analyzed on:** 09/27/2012 10:32:36 A **Position:** 28**Analyzed by:** ttaylor

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.27E+01	1.99E+01
Background measurement (cpm)	1	27
Sample measurement (cpm)	0	22
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	6.3E-01	1.4E+00

This certifies that the leak test results are:

☒ Less than 185 Bq (0.005 uCi)☐ Greater than 185 Bq (0.005 uCi)

23766

JOSH GOTTSCHALL
WILCOX (CADILLAC)
ONE MADISON AVE
CADILLAC, MI 49601

[illegible]

NC Materials License #092-1073-1

Gauge Model: 3440
Gauge S/N: 23766

Source (Model/Serial#)	Reading in microCurie
47-19676	0.00001
75-5082	0.00030

[illegible]

Reviewed by:

Date: 11/28/2012

Customer Signature: _____

Date:

1990. Groups are 50 mli Amf4112a and 10 mli Gw-133. Transport groups are 40 mli Amf4112a and 10 mli Gw-133. Intermediate Groups are 40 mli Amf4112a and 10 mli Gw-133. Trailers groups are, except 6640, are 40 mli Amf4112a and 4 mli Gw-133. Trailer group is 1 mli Gw-133.

23854

Josh Gottschall

From: LeakTest [LeakTest@instrotek.com]
Sent: Wednesday, January 30, 2013 1:52 PM
To: Josh Gottschall
Subject: Leak Test Results

JOSH GOTTSCHALL
WILCOX (CADILLAC)

LEAK TEST CERTIFICATE

NC Materials License #092-1073-1

This certifies that leak test analysis was conducted on the sample with the following information. The results shown below accurately represent the level of removable contamination.

Gauge Model: 3430
Test Date: 1/25/2013
Gauge S/N: 23854

Source1: 47-19904 Reading 0.00000 (microCuries)
Source2: 75-5820 Reading 0.00025 (microCuries)

Note: 0.005 microCuries (185 Bq) or greater is considered a leaking source*.
The source(s) tested above may remain in use.

*CPN gauges are 50 mCi Am241:Be and 10 mCi Cs-137. Humboldt gauges are 40 mCi Am241:Be and 10 mCi Cs-137.
InstroTek Gauge is 40 mCi Am241:Be and 10 mCi Cs-137. Troxler gauges all, except 4640, are 40 mCi Am241:Be and 8 mCi Cs-137.

Troxler 4640 is 8 mCi Cs-137

Sincerely,

InstroTek, Inc.
(919)875-8371 Fax (919)875-8328
InstroTek <LeakTest@InstroTek.com>

1/30/2013

InstroTek, Inc.
5908 Triangle Drive
Raleigh, NC 27617
(919)875-8371 Fax (919)875-8328

11/13/2012
Test Number: 6

23855
#9
ID# 3259

JACK NIEMI
WILCOX (SAGINAW)
5859 Sherman Rd
Saginaw, MI 48604

Phone: (989)752-6500
Fax: (989)752-6600

LEAK TEST CERTIFICATE
NC Materials License #092-1073-1

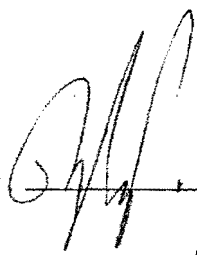
This certifies that leak test analysis was conducted on the sample with the following information. The results shown below accurately represent the level of removable contamination.

Gauge Model: 3430
Gauge S/N: 23855

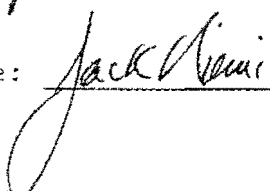
Test Date: 11/8/2012

Source (Model/Serial#)	Reading in microCuries
47-19905	0.00000
75-5821	0.00026

Note: 0.005 microCuries (185 Bq) or greater is considered a leaking source.* The source(s) tested above may remain in use.

Reviewed by: 

Date: 11/13/2012

Customer Signature: 

Date: 11/19/12

*CPN gauges are 50 mCi Am241:Be and 10 mCi Cs-137. Humboldt gauges are 40 mCi Am241:Be and 10 mCi Cs-137. InstroTek Gauge is 40 mCi Am241:Be and 10 mCi Cs-137. Troxler gauges all, except 4640, are 40 mCi Am241:Be and 8 mCi Cs-137. Troxler 4640 is 8 mCi Cs-137.

InstroTek, Inc.
5908 Triangle Drive
Raleigh, NC 27617
(919)875-8371 Fax (919)875-8328

24532

12/27/2012
Test Number: 3

TRO, SCHREUR
WILSON (CALEDONIA)
8180 ROADMOOR AVE SE
CALEDONIA, MI 49316

Phone: (616)891-0800
Fax: (616)891-0808

LEAK TEST CERTIFICATE

NC Materials License #092-1073-1

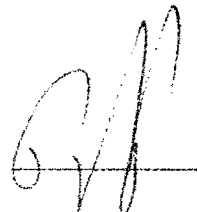
This certifies that leak test analysis was conducted on the sample with the following information. The results shown below accurately represent the level of removable contamination.

Gauge Model: 3440
Gauge S/N: 24532

Test Date: 12/18/2012

Source (Model/Serial#)	Reading in microCuries
47-20655	0.00000
75-6589	0.00025

Note: 0.005 microCuries (185 Bq) or greater is considered a leaking source.* The source(s) tested above may remain in use.

Reviewed by: 

Date: 12/27/2012

Customer Signature: _____

Date: _____

*CPN gauges are 50 mCi Am241:Be and 10 mCi Cs-137. Humboldt gauges are 40 mCi Am241:Be and 10 mCi Cs-137. InstroTek Gauge is 40 mCi Am241:Be and 10 mCi Cs-137. Troxler gauges all, except 4640, are 40 mCi Am241:Be and 8 mCi Cs-137. Troxler 4640 is 6 mCi Cs-137.

24533

**Troxler Electronic Laboratories, Inc.**

3008 Cornwallis Rd., P.O. Box 12057

Research Triangle Park, NC 27709

Tel: (877) 876-9537 Fax: (919) 485-2250

License: NC 032-0182-1

JOSH GOTTSCHALL
WILCOX PROFESSIONAL SERVICES
1 MADISON AVE.
CADILLAC, MI 49601

LEAK TEST CERTIFICATE

DEVICE:**Model:** 3440**Serial No:** 24533**SEALED SOURCES:**

Serial No.	Measure Date	Nuclide	GBq	mCi
47-20656	10/20/1994	Am-241:Be	1.48	40
75-6590	1/17/1995	Cs-137	0.296	8

LEAK TEST ANALYSIS:**Sample collected on:** 09/04/2012**Sample analyzed on:** 09/14/2012 at 12:26:00 PM**Analyzed by:** C. Eftekhari

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.27E+01	1.99E+01
Background measurement (cpm)	1	27
Sample measurement (cpm)	0	25
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	6.3E-01	1.4E+00

This certifies that the leak test results are:☒ Less than 185 Bq (0.005 uCi)☐ Greater than 185 Bq (0.005 uCi)



Troxler Electronic Laboratories, Inc.

3008 Cornwallis Rd., P.O. Box 12057

Research Triangle Park, NC 27709

Tel: (877) 876-9537 Fax: (866) 391-2759

License: NC 032-0182-1

ZYS34

RECEIVED

SEP 1 2012

WILCOX PROFESSIONAL SERVICES, LLC
CALEDONIA, MI

MATT HISKE
WILCOX PROFESSIONAL SERVICES
8180 BROADMOOR AVENUE SE.
CALEDONIA, MI 49316

Cust ID: 4964

LEAK TEST CERTIFICATE

DEVICE:

Model: 3440

Serial No: 24534

SEALED SOURCES:

Serial No.	Measure Date	Nuclide	GBq	mCi
47-20657	10/20/1994	Am-241:Be	1.48	40
75-6591	01/17/1995	Cs-137	0.296	8

LEAK TEST ANALYSIS:

Sample collected on: 08/23/2012

Sample analyzed on: 08/30/2012 12:50:50 P Position: 6

Analyzed by: drose

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.27E+01	1.99E+01
Background measurement (cpm)	1	27
Sample measurement (cpm)	1	33
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	6.3E-01	1.4E+00

This certifies that the leak test results are:

☒ Less than 185 Bq (0.005 uCi)

☐ Greater than 185 Bq (0.005 uCi)

24535

WILCOX INDUSTRIES, INC.
1000 WILCOX DRIVE
CABILLAC, MI 49601
Phone: (231) 875-8326

Telex: 24535
Fax: (231) 875-8326

WASH GOETTSCHALL
WILCOX (CABILLAC)
ONE MADISON AVE
CABILLAC, MI 49601

Phone: (231) 775-7777
Fax: (231) 775-3135

LEAK TEST CERTIFICATE

NC Materials License #092-1073-1

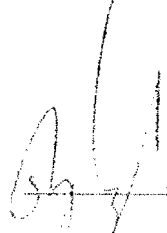
This certifies that leak test analysis was conducted on the sample with the following information. The results shown below accurately represent the level of removable contamination.

Gauge Model: 3440
Gauge S/N: 24535

Test Date: 11/20/2012

Source (Model/Serial #)	Reading in microCuries
47-20658	0.00000
75-6592	0.00027

Note: 0.005 microCuries (185 Bq) or greater is considered a "leaking source." The source(s) tested above may remain in use.

Reviewed by: 

Date: 11/28/2012

Customer Signature: _____

Date: _____

²⁴¹Am gauges are 50 mCi Am²⁴¹:Be and 10 mCi Cs-137. Humboldt gauges are 40 mCi Am²⁴¹:Be and 10 mCi Cs-137. InstronTex Gauge is 40 mCi Am²⁴¹:Be and 10 mCi Cs-137. Other gauges are 40 mCi Am²⁴¹:Be and 10 mCi Cs-137. Other gauges are 40 mCi Am²⁴¹:Be and 10 mCi Cs-137.

31950

InstroTek, Inc.
5908 Triangle Drive
Raleigh, NC 27617
(919)875-8371 Fax (919)875-8328

12/27/2012
Test Number: 4

TROY SCHREUR
WILCOX (CALEDONIA)
8180 BROADMOOR AVE SE
CALEDONIA, MI 49316

Phone: (616)891-0800
Fax: (616)891-0808

LEAK TEST CERTIFICATE

NC Materials License #092-1073-1

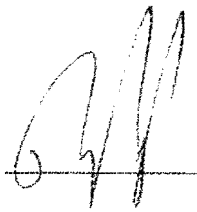
This certifies that leak test analysis was conducted on the sample with the following information. The results shown below accurately represent the level of removable contamination.

Gauge Model: 3440
Gauge S/N: 31950

Test Date: 12/18/2012

Source (Model/Serial#)	Reading in microCuries
47-4310	0.00000
750-7007	0.00023

Note: 0.005 microCuries (185 Bq) or greater is considered a leaking source.* The source(s) tested above may remain in use.

Reviewed by: 

Date: 12/27/2012

Customer Signature: _____

Date: _____

*CPN gauges are 50 mCi Am241:Be and 10 mCi Cs-137. Humboldt gauges are 40 mCi Am241:Be and 10 mCi Cs-137. InstroTek Gauge is 40 mCi Am241:Be and 10 mCi Cs-137. Troxler gauges all, except 4640, are 40 mCi Am241:Be and 8 mCi Cs-137. Troxler 4640 is 2 mCi Cs-137.

31951

InstroTek, Inc.
5908 Triangle Drive
Raleigh, NC 27617
(919)875-8371 Fax (919)875-8328

3/13/2012
Test Number: 2

JOSH GOTTSCHALL
WILCOX (CADILLAC)
ONE MADISON AVE
CADILLAC, MI 49601

Phone: (231)775-7755
Fax: (231)775-3135

LEAK TEST CERTIFICATE

NC Materials License #092-1073-1

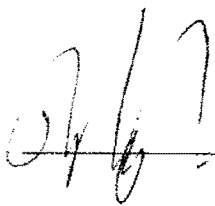
This certifies that leak test analysis was conducted on the sample with the following information. The results shown below accurately represent the level of removable contamination.

Gauge Model: 3440
Gauge S/N: 31951

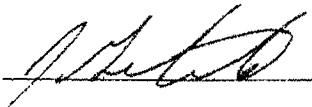
Test Date: 3/6/2012

Source (Model/Serial#)	Reading in microCuries
47-4999	0.00000
750-7008	0.00023

Note: 0.005 microCuries (185 Bq) or greater is considered a leaking source.* The source(s) tested above may remain in use.

Reviewed by: 

Date: 3/13/2012

Customer Signature: 

Date: 3-19-12

*CPN gauges are 50 mCi Am241:Be and 10 mCi Cs-137. Humboldt gauges are 40 mCi Am241:Be and 10 mCi Cs-137. InstroTek Gauge is 40 mCi Am241:Be and 10 mCi Cs-137. Troxler gauges all, except 4640, are 40 mCi Am241:Be and 8 mCi Cs-137. Troxler 4640 is 8 mCi Cs-137.

**Troxler Electronic Laboratories, Inc.**

3008 Cornwallis Rd., P.O. Box 12057

Research Triangle Park, NC 27709

Tel: (877) 876-9537 Fax: (866) 391-2759

License: NC 032-0182-1

35061

#5
ID#439

JACK NIEMI
WILCOX PROFESSIONAL SERVICES
5859 SHERMAN ROAD
SAGINAW, MI 48604

Cust ID: 6657

LEAK TEST CERTIFICATE**DEVICE:**

Model: 3430

Serial No: 35061

SEALED SOURCES:

Serial No.	Measure Date	Nuclide	GBq	mCi
77-2168	01/30/2004	Cs-137	0.296	8
47-30359	02/05/2002	Am-241:Be	1.48	40

LEAK TEST ANALYSIS:

Sample collected on: 12/17/2012

Sample analyzed on: 01/04/2013 11:50:46 A Position: 29

Analyzed by: ttaylor

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.27E+01	1.99E+01
Background measurement (cpm)	1	27
Sample measurement (cpm)	0	23
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	6.3E-01	1.4E+00

This certifies that the leak test results are:

☒ Less than 185 Bq (0.005 uCi)☐ Greater than 185 Bq (0.005 uCi)

35683

Josh Gottschall

From: LeakTest [LeakTest@instrotek.com]
Sent: Wednesday, January 30, 2013 1:49 PM
To: Josh Gottschall
Subject: Leak Test Results

JOSH GOTTSCHALL
WILCOX (CADILLAC)

LEAK TEST CERTIFICATE

NC Materials License #092-1073-1

This certifies that leak test analysis was conducted on the sample with the following information. The results shown below accurately represent the level of removable contamination.

Gauge Model: 3430
Test Date: 1/25/2013
Gauge S/N: [REDACTED]

Source1: 78-668 Reading 0.00000 (microCuries)
Source2: 77-2747 Reading 0.00026 (microCuries)

Note: 0.005 microCuries (185 Bq) or greater is considered a leaking source*.
The source(s) tested above may remain in use.

*CPN gauges are 50 mCi Am241:Be and 10 mCi Cs-137. Humboldt gauges are 40 mCi Am241:Be and 10 mCi Cs-137.
InstroTek Gauge is 40 mCi Am241:Be and 10 mCi Cs-137. Troxler gauges all, except 4640, are 40 mCi Am241:Be and 8 mCi Cs-137.

Troxler 4640 is 8 mCi Cs-137

Sincerely,

InstroTek, Inc.
(919)875-8371 Fax (919)875-8328
InstroTek <LeakTest@InstroTek.com>

1/30/2013

**Troxler Electronic Laboratories, Inc.**

3008 Cornwallis Rd., P.O. Box 12057
Research Triangle Park, NC 27709
Tel: (877) 876-9537 Fax: (866) 391-2759
License: NC 032-0182-1

65139

JOSH GOTTSCHALL
WILCOX PROFESSIONAL SERVICES
1 MADISON AVE.
CADILLAC, MI 49601

Cust ID: 7779

LEAK TEST CERTIFICATE**DEVICE:**

Model: 3440

Serial No: 65139

SEALED SOURCES:

Serial No.	Measure Date	Nuclide	GBq	mCi
77-10799	06/13/2011	Cs-137	0.296	8
78-7035	07/11/2011	Am-241:Be	1.48	40

LEAK TEST ANALYSIS:

Sample collected on: 03/13/2012

Sample analyzed on: 03/20/2012 8:35:41 AM Position: 11

Analyzed by: D. Rose

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.25E+01	1.97E+01
Background measurement (cpm)	2	27
Sample measurement (cpm)	0	23
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	6.7E-01	1.4E+00

This certifies that the leak test results are:

✓ Less than 185 Bq (0.005 uCi)

Greater than 185 Bq (0.005 uCi)

JAL
3-27-12

60547

InstroTek, Inc.
5908 Triangle Drive
Raleigh, NC 27617
(919)875-8371 Fax (919)875-8328

12/27/2012
Test Number: 3

TROY SCHREUR
WILCOX (CALEDONIA)
8180 BROADMOOR AVE SE
CALEDONIA, MI 49316

Phone: (616)891-0800
Fax: (616)891-0808

LEAK TEST CERTIFICATE

NC Materials License #092-1073-1

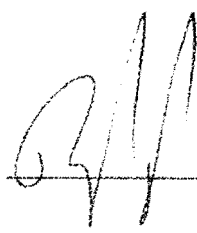
This certifies that leak test analysis was conducted on the sample with the following information. The results shown below accurately represent the level of removable contamination.

Gauge Model: 3430
Gauge S/N: 60547

Test Date: 12/18/2012

Source (Model/Serial#)	Reading in microCuries
78-4630	0.00000
77-7547	0.00027

Note: 0.005 microCuries (185 Bq) or greater is considered a leaking source.* The source(s) tested above may remain in use.

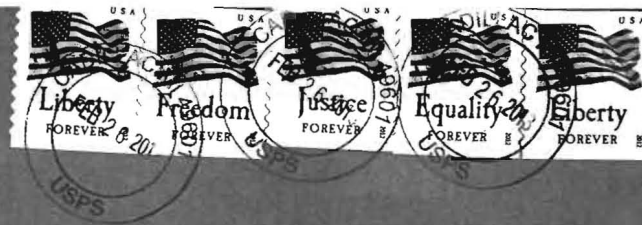
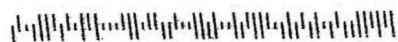
Reviewed by: 

Date: 12/27/2012

Customer Signature: _____

Date: _____

*CPN gauges are 50 mCi Am241:Be and 10 mCi Cs-137. Humboldt gauges are 40 mCi Am241:Be and 10 mCi Cs-137. InstroTek Gauge is 40 mCi Am241:Be and 10 mCi Cs-137. Troxler gauges all, except 4640, are 40 mCi Am241:Be and 8 mCi Cs-137. Troxler 4640 is 3 mCi Cs-137.



Wilcox



One Madison Avenue
Cadillac, Michigan 49601
231.775.7755
231.775.3135 Fax

U.S. Nuclear Regulatory Commission, Region III
Materials Licensing Section
2443 Warrenville Road, Ste 210
Lisle, IL 60532-4352