

# 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 20555-0001, or by Internet e-mail to [infocollect@nrc.gov](mailto:infocollect@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NE0B-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  
**TECHNICAL CONSTRUCTION SERVICES, INC**  
5236 N 38<sup>TH</sup> ST  
AUGUSTA, MI 49012

LICENSE NUMBER: **21-26788-01**  
DOCKET NUMBER: **030-34409**  
LICENSE EXPIRATION DATE: **FEB 29, 2008**

This license has expired.  **A. LICENSE STATUS (Check the appropriate box)**  
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:
    - b. Disposal of radioactive materials:
      - 1. Directly by the licensee: **9/11/07 S/Ns 15659, 15777, 16655**  
**CTI & ASSOCIATES, INC.**  
**JAMES C. MEEHLE, RSO**  
**LICENSE No. 21-17007-01**
      - 2. By licensed disposal site: **10/15/07 S/Ns 4190, 5527**  
**TROKLER ELECTRONIC LABORATORIES, INC**  
**STEVE PENNINGTON, SERVICE SALES MGR**  
**LICENSE No. 032-0182-1**
      - 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: **GREGORY S. BILLS** TITLE: **RSO, PRESIDENT** TELEPHONE (Include Area Code): **(269) 337-3949** E-MAIL ADDRESS: **billsgr@michigan.gov**  
Mail all future correspondence regarding this license to:

### C. CERTIFYING OFFICIAL

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

PRINTED NAME AND TITLE: **GREGORY S. BILLS, RSO** SIGNATURE: *[Signature]* DATE: **10/24/07**

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.

RECEIVED OCT 30 2007



**Troxler Electronic Laboratories, Inc. - Troxler International, Ltd.**  
3008 Cornwallis Road, P.O. Box 12057, Research Triangle Park, NC 27709 - USA  
Telephone: 919/549-8661 Telefax: 919/549-0761

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10/24/2007

Technical Construction Services, Inc.  
5236 N 38<sup>th</sup> Street  
Augusta, MI 49012

Attn: Radiation Safety Officer

This is to acknowledge receipt of the below-referenced nuclear gauge(s) under North Carolina Radioactive Materials License #032-0182-1. You should retain this letter in your files to document transfer of the gauge.

Date Received: 10/15/2007

<u>Disposal Order</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Serial Number</u>
86719	Troxler	3401	4190
86718	Troxler	3401	5527

Regards,

Steve Pennington  
Service Sales Manager  
Troxler Electronic Laboratories, Inc.



CTI and Associates, Inc.

12482 Emerson Drive Brighton, MI 48116 248.486.5100 248.486.5050 Fax

August 24, 2007

Mr. Greg Bills  
Technical Construction Services, Inc.  
5236 N. 38<sup>th</sup> Street  
Augusta, Michigan 49012

RE: **Troxler Density Gauges**  
**Serial Nos. 15777, 15659 and 16655**  
**TCS's Nuclear Regulatory Commission License No. 21-26788-01**

Dear Mr. Bills:

The purpose of this correspondence is to confirm the acquisition of three (3) Troxler model density gauges.

CTI and Associates, Inc. (CTI) will obtain from Technical Construction Services, Inc. (TCS) the following nuclear density gauges:

Model No. 3401-B	Serial No. 15659 <sup>015</sup>
Model No. 3411-B	Serial No. 15777
Model No. 3440	Serial No. 16655

The current leak test certificates for the referenced gauges, dated 7-26-2007, have been provided to CTI. The analysis of the leak tests indicate the sources are not leaking at this time.

CTI will take possession of the Troxler density gauges referenced above and operate in accordance with our Nuclear Regulatory Commission (NRC) License No. 21-17007-01.

You may provide a copy of this letter to the U.S. NRC along with your amendment request to close your NRC License No. 21-26788-01.

If you have any questions, please feel free to contact our office at your convenience.

Sincerely,

**CTI and ASSOCIATES, INC.**

  
James C. Meehle  
Radiation Safety Officer

# STAN A. HUBER CONSULTANTS, INC.

200 NORTH CEDAR ROAD -- NEW LENOX IL 60451-1751 -- PHONE 815-485-6161

## SEALED GAMMA/BETA SOURCES - LEAK TEST CERTIFICATE

REPORT DATE: 7/26/2007

FACILITY: Technical Construction Services, Inc.  
Kalamazoo, MI.

NRC LICENSE NUMBER: 21-26788-01

STATE LICENSE NUMBER:

SOURCE IDENTIFICATION:

RADIONUCLIDE: Cs-137 / Am-241 Be  
ACTIVITY: 8.0/40 mCi  
CALIBR. DATE: 01/19/1988  
MANUFACTURER: Troxler  
MODEL NUMBER: 3401-B  
SERIAL NUMBER: 15659  
OTHER DESCRIPTION:

ASSAY RESULTS:

COUNTING EFFICIENCY: 0.213

ISOTOPE: Cs-137 BACKGROUND AT TIME OF ASSAY: 106

	MAX CPM	NET CPM	DPM	ACTIVITY uCi
WET WIPE	115	9	42	0.000019
DRY WIPE	122	16	75	0.000034

COUNTING EFFICIENCY: 0.841

ISOTOPE: Am-241 BACKGROUND AT TIME OF ASSAY: 63

	MAX CPM	NET CPM	DPM	ACTIVITY uCi
WET WIPE	62	0	0	< 0.000001
DRY WIPE	73	10	12	0.000005

ANALYSIS PERFORMED USING:

Packard Auto-Gamma Scintillation Spectrometer Model #D5003 Serial #406282 AND/OR  
Packard 1900CA Tri-Carb Liquid Scintillation Analyzer Model #A1900 Serial #101464

ANALYSIS OF RESULTS:

Sources are not leaking at this time  
Removable contamination is less than 5E-3 uCi. (.005)

NEXT LEAK TEST DUE: Jan-08

LEAK TEST PERFORMED BY: Greg Bills DATE: 7/23/2007

ANALYSIS PERFORMED BY: S. A. Huber Consultants, Inc. *S. A. Huber* DATE: 7/25/2007

RADIATION SAFETY OFFICER SIGNATURE: \_\_\_\_\_

# STAN A. HUBER CONSULTANTS, INC.

200 NORTH CEDAR ROAD -- NEW LENOX IL 60451-1751 -- PHONE 815-485-6161

## SEALED GAMMA/BETA SOURCES - LEAK TEST CERTIFICATE

REPORT DATE: 7/26/2007

FACILITY: Technical Construction Services Inc  
Kalamazoo, MI.

NRC LICENSE NUMBER: 21-26788-01

STATE LICENSE NUMBER:

### SOURCE IDENTIFICATION:

RADIONUCLIDE: Cs-137 / Am-241 Be  
ACTIVITY: 8.0/40 mCi  
CALIBR. DATE: 07/15/88  
MANUFACTURER: Troxler  
MODEL NUMBER: 3440A  
SERIAL NUMBER: 16655  
OTHER DESCRIPTION:

### ASSAY RESULTS:

ISOTOPE: Cs-137      COUNTING EFFICIENCY: 0.213  
BACKGROUND AT TIME OF ASSAY: 106

	MAX CPM	NET CPM	DPM	ACTIVITY uCi
WET WIPE	131	25	117	0.000053
DRY WIPE	119	13	61	0.000027

ISOTOPE: Am-241      COUNTING EFFICIENCY: 0.841  
BACKGROUND AT TIME OF ASSAY: 63

	MAX CPM	NET CPM	DPM	ACTIVITY uCi
WET WIPE	82	19	23	0.000010
DRY WIPE	66	3	4	0.000002

### ANALYSIS PERFORMED USING:

Packard Auto-Gamma Scintillation Spectrometer Model #D5003 Serial #406282 AND/OR  
Packard 1900CA Tri-Carb Liquid Scintillation Analyzer Model #A1900 Serial #101464

### ANALYSIS OF RESULTS:

Sources are not leaking at this time  
Removable contamination is less than 5E-3 uCi. (.005)

NEXT LEAK TEST DUE: Jan-08

LEAK TEST PERFORMED BY: Greg Bills      DATE: 7/23/2007

ANALYSIS PERFORMED BY: S. A. Huber Consultants, Inc. *SAH*      DATE: 7/25/2007

RADIATION SAFETY OFFICER SIGNATURE: \_\_\_\_\_

# STAN A. HUBER CONSULTANTS, INC.

200 NORTH CEDAR ROAD -- NEW LENOX IL 60451-1751 -- PHONE 815-485-6161

## SEALED GAMMA/BETA SOURCES - LEAK TEST CERTIFICATE

REPORT DATE: 7/26/2007

FACILITY: Technical Construction Services Inc.  
Kalamazoo, MI.

NRC LICENSE NUMBER: 21-26788-01

STATE LICENSE NUMBER:

SOURCE IDENTIFICATION:

RADIONUCLIDE: Cs-137 / Am-241 Be  
ACTIVITY: 8.0/40 mCi  
CALIBR. DATE: 01/19/1988  
MANUFACTURER: Troxler  
MODEL NUMBER: 3411-B  
SERIAL NUMBER: 15777  
OTHER DESCRIPTION:

ASSAY RESULTS:

COUNTING EFFICIENCY: 0.213

ISOTOPE: Cs-137 BACKGROUND AT TIME OF ASSAY: 106

	MAX CPM	NET CPM	DPM	ACTIVITY uCi
WET WIPE	103	0	0	< 0.000001
DRY WIPE	128	22	103	0.000047

COUNTING EFFICIENCY: 0.841

ISOTOPE: Am-241 BACKGROUND AT TIME OF ASSAY: 63

	MAX CPM	NET CPM	DPM	ACTIVITY uCi
WET WIPE	69	6	7	0.000003
DRY WIPE	71	8	10	0.000004

ANALYSIS PERFORMED USING:

Packard Auto-Gamma Scintillation Spectrometer Model #D5003 Serial #406282 AND/OR  
Packard 1900CA Tri-Carb Liquid Scintillation Analyzer Model #A1900 Serial #101464

ANALYSIS OF RESULTS:

Sources are not leaking at this time  
Removable contamination is less than 5E-3 uCi. (.005)

NEXT LEAK TEST DUE: Jan-08

LEAK TEST PERFORMED BY: Greg Bills DATE: 7/23/2007

ANALYSIS PERFORMED BY: S. A. Huber Consultants, Inc. *SAH* DATE: 7/25/2007

RADIATION SAFETY OFFICER SIGNATURE: \_\_\_\_\_

# STAN A. HUBER CONSULTANTS, INC.

200 NORTH CEDAR ROAD -- NEW LENOX IL 60451-1751 -- PHONE 815-485-6161

## SEALED GAMMA/BETA SOURCES - LEAK TEST CERTIFICATE

REPORT DATE: 7/26/2007  
FACILITY: Technical Construction Services, Inc.  
Kalamazoo, MI.  
NRC LICENSE NUMBER: 21-26788-01  
STATE LICENSE NUMBER:

### SOURCE IDENTIFICATION:

RADIONUCLIDE: Cs-137 / Am-241 Be  
ACTIVITY: 9.0 / 40 mCi  
CALIBR. DATE: "Not Provided"  
MANUFACTURER: Troxler  
MODEL NUMBER: 3401  
SERIAL NUMBER: 5527  
OTHER DESCRIPTION:

### ASSAY RESULTS:

COUNTING EFFICIENCY: 0.213  
ISOTOPE: Cs-137 BACKGROUND AT TIME OF ASSAY: 106

	MAX CPM	NET CPM	DPM	ACTIVITY uCi
WET WIPE	107	1	5	0.000002
DRY WIPE	126	20	94	0.000042

COUNTING EFFICIENCY: 0.841  
ISOTOPE: Am-241 BACKGROUND AT TIME OF ASSAY: 63

	MAX CPM	NET CPM	DPM	ACTIVITY uCi
WET WIPE	60	0	0	< 0.000001
DRY WIPE	64	1	1	0.000001

### ANALYSIS PERFORMED USING:

Packard Auto-Gamma Scintillation Spectrometer Model #D5003 Serial #406282 AND/OR  
Packard 1900CA Tri-Carb Liquid Scintillation Analyzer Model #A1900 Serial #101464

### ANALYSIS OF RESULTS:

Sources are not leaking at this time  
Removable contamination is less than 5E-3 uCi. (.005)

NEXT LEAK TEST DUE: Jan-08  
LEAK TEST PERFORMED BY: Greg Bills DATE: 7/23/2007  
ANALYSIS PERFORMED BY: S. A. Huber Consultants, Inc. <sup>02940</sup> DATE: 7/25/2007

RADIATION SAFETY OFFICER SIGNATURE: \_\_\_\_\_

# STAN A. HUBER CONSULTANTS, INC.

200 NORTH CEDAR ROAD -- NEW LENOX IL 60451-1751 -- PHONE 815-485-6161

## SEALED GAMMA/BETA SOURCES - LEAK TEST CERTIFICATE

REPORT DATE: 7/26/2007

FACILITY: Technical Construction Services, Inc.  
Kalamazoo, MI.

NRC LICENSE NUMBER: 21-26788-01

STATE LICENSE NUMBER:

SOURCE IDENTIFICATION:

RADIONUCLIDE: Cs-137 / Am-241 Be  
ACTIVITY: 7.9/40 mCi  
CALIBR. DATE: 06/23/76  
MANUFACTURER: Troxler  
MODEL NUMBER: 3401-B  
SERIAL NUMBER: 4190  
OTHER DESCRIPTION:

ASSAY RESULTS:

COUNTING EFFICIENCY: 0.213  
ISOTOPE: Cs-137 BACKGROUND AT TIME OF ASSAY: 106

	MAX CPM	NET CPM	DPM	ACTIVITY uCi
WET WIPE	120	14	66	0.000030
DRY WIPE	115	9	42	0.000019

COUNTING EFFICIENCY: 0.841  
ISOTOPE: Am-241 BACKGROUND AT TIME OF ASSAY: 63

	MAX CPM	NET CPM	DPM	ACTIVITY uCi
WET WIPE	57	0	0	< 0.000001
DRY WIPE	48	0	0	< 0.000001

ANALYSIS PERFORMED USING:

Packard Auto-Gamma Scintillation Spectrometer Model #D5003 Serial #406282 AND/OR  
Packard 1900CA Tri-Carb Liquid Scintillation Analyzer Model #A1900 Serial #101464

ANALYSIS OF RESULTS:

Sources are not leaking at this time  
Removable contamination is less than 5E-3 uCi. (.005)

NEXT LEAK TEST DUE: Jan-08

LEAK TEST PERFORMED BY: Greg Bills DATE: 7/23/2007

ANALYSIS PERFORMED BY: S. A. Huber Consultants, Inc. *SAH* DATE: 7/25/2007

RADIATION SAFETY OFFICER SIGNATURE: \_\_\_\_\_





Technical Construction Services, Inc.  
5236 N. 38<sup>th</sup> St. • Augusta, Michigan 49012  
GEOTECHNICAL & CONSTRUCTION MATERIALS ENGINEERS



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U.S. POSTAGE  
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PORTAGE MI  
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MATERIALS LICENSING SECTION  
US NUCLEAR REGULATORY COMMISSION, REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352