

Wednesday, February 25, 2009

U.S. Nuclear Regulatory Commission (NRC)  
Region III  
Division of Nuclear Materials Safety  
2443 Warrenville Road, Suite 210  
Lisle, Illinois 60532-4352

Attention: Materials Licensing Branch

Re: USNRC License No. 12-16941-01  
Amendment Request

Gentlemen:

In accordance with my telephone conversation of this date with Ms. Toye Simmons, Professional Service Industries, Inc. (PSI) requests an amendment to U.S. Nuclear Regulatory Commission (NRC) Materials License No. 12-16941-01 to incorporate the following:

1. PSI requests removal of the Honolulu, Hawaii facility from Condition 10.A of the (current) license amendment (no. 72). The licensed devices that were previously stored at PSI's Honolulu facility (two [2] Troxler Model 3430s, S/N 22799 & 60344) were transferred to licensed recipients (PSI's Pittsburgh and Kalamazoo facilities, respectively); please see attached a copy of the transfer record and certificate of leak test following the transfer of each device. In addition, attached is a copy of the results of a 'close-out' radiation survey of the facility.
2. In preparation of the Commonwealth of Virginia becoming an Agreement State, PSI requests a separate ("transitional") U.S. NRC Materials License to authorize PSI's Fairfax and Richmond facilities until such time as the Commonwealth of Virginia issues a license to authorize such.
3. PSI requests that U.S. NRC Materials License No. 12-16941-01 retain authorization for all of the locations listed in Condition 10.A of the current license amendment (minus Honolulu, Fairfax, and Richmond, per the above).

There are no other changes to the license at this time.

U.S. NRC Materials License No. 12-16941-01  
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Your attention to this matter is greatly appreciated. Should you have any questions or if I may be of any assistance, please contact me at PSI's corporate office in Oakbrook Terrace, Illinois at 630/691-1490 (x 320) or via e-mail at [john.thornton@psiusa.com](mailto:john.thornton@psiusa.com).

Sincerely,



John T. Thornton  
Safety Director/Corporate RSO

JTT/

Attachment(s) – as stated

cc: File

AUG 08 2008

**REPORT OF RADIOACTIVE MATERIAL TRANSFER**

Date 8/8/08

PSI: Office or Authorized Supplier Making Shipment PSI - Hanover

PSI CORPORATE

RADIOISOTOPE CS 137 / Am 241 ACTIVITY 8.0 / 40

SAFETY DEPT

COPIES  
MILLICURIES  
MICROCURIES

**DEVICE**

Indicate Device, List Manufacturer (M), Model Number (MN), and Serial Number (SN).

<input type="checkbox"/> Radiography Device	<input checked="" type="checkbox"/> Moisture Density Gauge	<input type="checkbox"/> Other _____
(M) _____	(M) <u>TROXLER</u>	(M) _____
(MN) _____	(MN) <u>3430</u>	(MN) _____
(SN) _____	(SN) <u>22799</u>	(SN) _____
<input type="checkbox"/> Survey Meter	<input type="checkbox"/> Source Changer	<input type="checkbox"/> Other _____
(M) _____	(M) _____	(M) _____
(MN) _____	(MN) _____	(MN) _____
(SN) _____	(SN) _____	(SN) _____

**SOURCE (When identified on device)**

Indicate Source, List Manufacturer (M), Model Number (MN), and Serial Number (SN).

(M) \_\_\_\_\_ (MN) \_\_\_\_\_ (SN) 75-4572/47-18645

**TRANSFER**

Transferred To: PITTSBURGH How Shipped: FED EX

Reason for Transfer:  Disposal  Transfer  Reload

D.O.T. Radioactive Label Affixed to Container (Check One):  White I  Yellow II  Yellow III

Approved By: \_\_\_\_\_ (Signature) Person Preparing Shipment: \_\_\_\_\_ (Signature)

Condition of Equipment: GOOD - GAUGE, CAL & A/C CHARGERS, DEF BLOCK  
 (Note any physical or operating discrepancies)

Remarks: INFO POUCH, HAMMER, RATE, ROD & EXTRACTOR

**SURVEY READINGS AND LEAK TEST DATA**

At Surface of Shipping Container 2.0 mR/hr (Maximum) At 1 Meter 0.2 mR/hr  
 Leak Test Date 3/17/08 Leak Test Due Date 9/17/08

**THE ABOVE MATERIAL WAS RECEIVED**

(Only to be Recorded on Pink and Gold Copies)

Pick Up From \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ A.M. / P.M.  
 Delivered by \_\_\_\_\_ (Carrier)

Received and Surveyed by \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ A.M. / P.M.  
 (Signature)

Condition \_\_\_\_\_  
 (Note any Physical or Operating Discrepancies)

Survey Meter No. \_\_\_\_\_ Reading \_\_\_\_\_ mR/hr Surface \_\_\_\_\_ mR/hr 1 Meter

Copy Distribution: WHITE - Radiation Records, Lombard, IL / YELLOW - Transferring Office / PINK - Consignee's Copy / GOLD - Return to Sender

Send all kits and requests to:

**SUNTRAC Services, Inc.**  
1818 East Main Street  
League City, TX 77573  
(281) 338-2133

**RECEIVED**

SEP 02 2008

PSI CORPORATE  
SAFETY DEPT

ATTN: SIT-KIT

CAUTION: Conduct a survey on the outside of each package placed in the U.S. Mails. Any reading over 0.5 mR/hr at contact with the envelope or package shall not be mailed.

**LEAK TEST INVENTORY/REPORT FORM**

Company Name: Professional Service Industries, Inc. (12065011)

Address: 850 Poplar St. City: Pittsburgh State: PA Zip Code: 15220

Isotope: Cs 137 / Am 241 Be Activity: 8.0 / 40.0 mCi

Source Serial No: 75-4572/47-18645 Leak Test Date: 8/29/2008

Device Serial No: 22799

Manufacturer: Troxler Model No.: 3430

Smear Taken By: R. Keeley

----- DO NOT WRITE BELOW THIS LINE -----

This is to certify that the above described smear/swab has been assayed at our facilities for indication of source leakage.

Sample was also assayed for depleted uranium.

Our findings show the leakage to be:

ALPHA	BETA-GAMMA
<.0001	<.0001

µCi (Wet)

Certified By:  Date: 9/2/2008

SUNTRAC Services, Inc. Representative  
(Texas Radioactive License No. L03062)

845508

**COPY**

Date 8/8/08 **REPORT OF RADIOACTIVE MATERIAL TRANSFER** AUG 08 2008  
 PSI Office or Authorized Supplier Making Shipment PSI-Henrieville **PSI CORPORATE**  
 RADIOISOTOPE Cs 137 / AM 241 ACTIVITY 80/40.0 **SAFETY DEPT. CURIES MILLICURIES MICROCURIES**

**DEVICE**

Indicate Device, List Manufacturer (M), Model Number (MN), and Serial Number (SN).

Radiography Device  Moisture Density Gauge  Other \_\_\_\_\_  
 (M) \_\_\_\_\_ (M) TROXLER (M) \_\_\_\_\_  
 (MN) \_\_\_\_\_ (MN) 3430 (MN) \_\_\_\_\_  
 (SN) \_\_\_\_\_ (SN) 60344 (SN) \_\_\_\_\_

Survey Meter  Source Changer  Other \_\_\_\_\_  
 (M) \_\_\_\_\_ (M) \_\_\_\_\_ (M) \_\_\_\_\_  
 (MN) \_\_\_\_\_ (MN) \_\_\_\_\_ (MN) \_\_\_\_\_  
 (SN) \_\_\_\_\_ (SN) \_\_\_\_\_ (SN) \_\_\_\_\_

**SOURCE (When identified on device)**

Indicate Source, List Manufacturer (M), Model Number (MN), and Serial Number (SN).

(M) \_\_\_\_\_ (MN) \_\_\_\_\_ (SN) 77-7441 / 47-4360

**TRANSFER**

Transferred To: KALAMAZOO How Shipped: FED EX

Reason for Transfer:  Disposal  Transfer  Reload

D.O.T. Radioactive Label Affixed to Container (Check One):  White I  Yellow II  Yellow III

Approved By: \_\_\_\_\_ (Signature) Person Preparing Shipment \_\_\_\_\_ (Signature)

Condition of Equipment: BRAND NEW - AC CHARGER SCRAPER PLATE, EXTRACTION  
(Note any physical or operating discrepancies)

Remarks: TOOL, GAUGE, DC CHARGER

**SURVEY READINGS AND LEAK TEST DATA**

At Surface of Shipping Container 2.0 mR/hr (Maximum) At 1 Meter 0.2 mR/hr  
 Leak Test Date 7/19/08 Leak Test Due Date 4/19/09

**THE ABOVE MATERIAL WAS RECEIVED**

(Only to be Recorded on Pink and Gold Copies)

Pick Up From  \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ A.M. / P.M.  
 Delivered by  \_\_\_\_\_ (Carrier)

Received and Surveyed by \_\_\_\_\_ (Signature) Date \_\_\_\_\_ Time \_\_\_\_\_ A.M. / P.M.

Condition \_\_\_\_\_  
(Note any Physical or Operating Discrepancies)

Survey Meter No. \_\_\_\_\_ Reading \_\_\_\_\_ mR/hr Surface \_\_\_\_\_ mR/hr 1 Meter



**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

*Kalamayoo*

**RECEIVED**

Diane Carson & Pina Ritacca  
PSI, INC.  
1901 S. MEYERS ROAD  
SUITE 400  
OAKBROOK TERRACE, IL 60181

SEP 29 2008

PSI CORPORATE  
SAFETY DEPT

**LEAK TEST CERTIFICATE**

**DEVICE:**

Model: 3430                      Serial No: 60344

**SEALED SOURCES:**

Serial No.	Measure Date	Nuclide	GBq	mCi
77-7441	09/24/2007	CS-137	0.296	8
47-4360	07/29/1980	AM-241:BE	1.48	40

**LEAK TEST ANALYSIS:**

Sample collected on: 09/17/2008

Sample analyzed on: 09/22/2008 at 1:41:00 PM

Analyzed by: Douglas Kjos

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.24E+01	2.01E+01
Background measurement (cpm)	1	26
Sample measurement (cpm)	0	28
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	5.1E-01	1.3E+00

This certifies that the leak test results are:

Less than 185 Bq (0.005 uCi)

Greater than 185 Bq (0.005 uCi)

Facility

1. Facility address: 1806-B KALANI ST.  
Hon HI 96819
2. Date of survey: 8 / 22 / 08
3. Name of person performing survey  
D. LEE

Equipment

1. Survey meter manufacturer NDS PRODUCTS
2. Model number of survey meter ND-500A
3. Range of survey meter 0 to 0.5
4. Serial number of survey meter 3194
5. Date of calibration 5 / 5 / 08

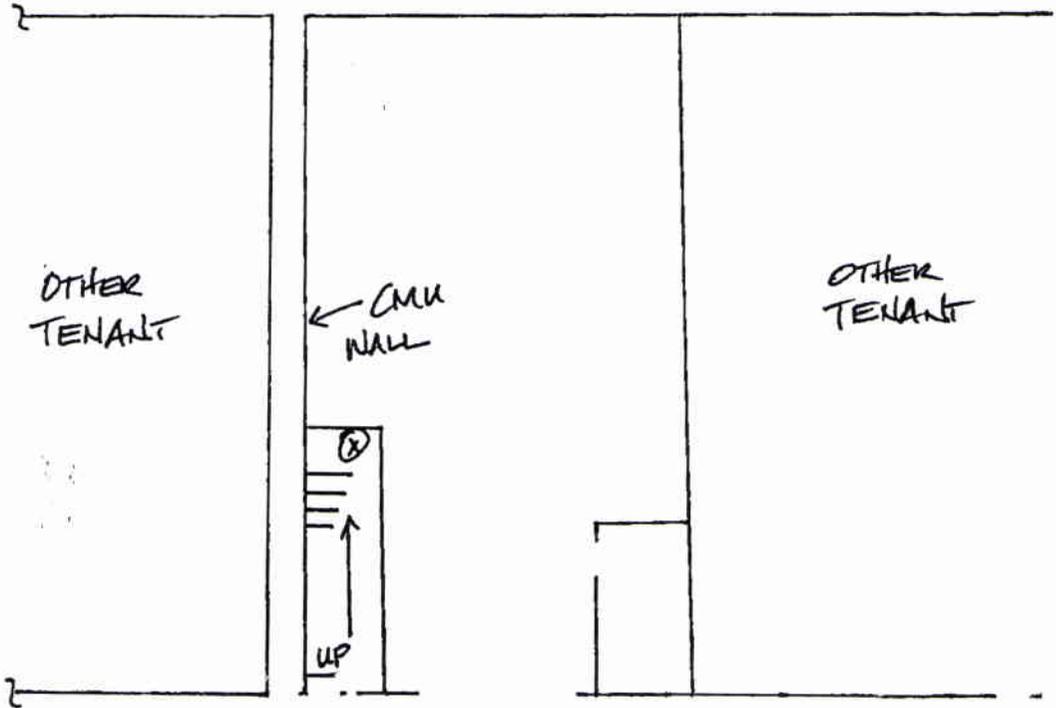
Readings

1. Background radiation level 0.03
2. Facility survey (\*)
  - a. office(s) No RADIATION ABOVE BACKGROUND
  - b. laboratory No RADIATION ABOVE BACKGROUND
  - c. storage cabinet:

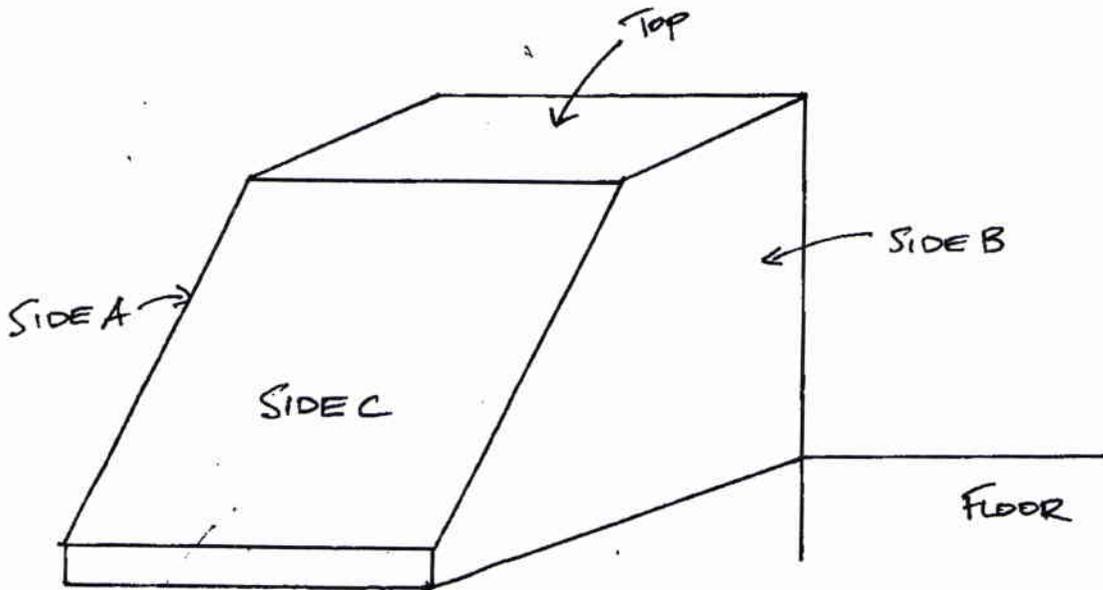
Top	<u>No RADIATION ABOVE BACKGROUND</u>
Side A	
Side B	
Side C	
Floor	

\* If radiation levels are same as background, indicate that "No radiation above background was detected."

(Note: Submit a simple diagram of the facility to indicate areas surveyed.)



ⓧ - GAUGE STORAGE LOCATION



OFFICE ADDRESS:  
 1806-B KALANI ST.  
 HONOLULU, HI 96819