

*Joe*

## Murnahan, Colleen

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**From:** Simpkin, Philip [phil.simpkin@bakerhughes.com]  
**Sent:** Thursday, July 12, 2012 12:55 PM  
**To:** Murnahan, Colleen  
**Subject:** RE: Please replace previous e-mail with this one. Thank you. cmurnahan  
**Attachments:** Gaylord\_transfer\_receive .pdf; Dunbar\_transfer\_receipt.pdf

Colleen,

The gauges were sent to two facilities and I have attached the records from each receiving base.

I believe that these are all the sources that were moved, but obviously should you have any questions or require any additional information, please do not hesitate to contact me.

Regards

*Phil*

**Philip G. Simpkin C-RadP** | Radiation Safety Officer  
**Baker Hughes** | Baker Hughes | Global Radiation Team / D&E  
Office: +1 713.879.2662 | Fax: +1 713.879.2667  
Cell: +1 713.306.0658 | [phil.simpkin@bakerhughes.com](mailto:phil.simpkin@bakerhughes.com)  
<http://www.bakerhughes.com> | *Advancing Reservoir Performance*



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**From:** Murnahan, Colleen [<mailto:Colleen.Murnahan@nrc.gov>]  
**Sent:** Thursday, July 05, 2012 2:30 PM  
**To:** Simpkin, Philip  
**Subject:** Please replace previous e-mail with this one. Thank you. cmurnahan

42-19649-01  
030-19037  
577766

Mr. Simpkin,

This is in reference to your application dated June 19, 2012, requesting an amendment for Nuclear Regulatory Commission License 42-19649-01.

In order to continue our review, we need the following additional information:

1. **Please provide copies of the transfer papers including an acknowledgement letter from the individual who received the gauges. In addition, provide a copy of the most recent leak test for the gauges that were transferred.**

Current NRC regulations and guidance are included on the NRC's website at [www.nrc.gov](http://www.nrc.gov); select **Nuclear Materials; Medical, Academic, and Industrial Uses of Nuclear Material**; then **Regulations, Guidance, and Communications**. You may also obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-866-512-1800. The GPO is open from 7:00 a.m. to 6:30 p.m. EST, Monday through Friday (except Federal holidays).

We will continue our review upon receipt of this information. Please reply to my attention and refer to Mail Control **577766**. You may attach your response as a PDF document via e-mail, or fax it to (817) 200-1263. If you have any technical questions regarding this deficiency letter, please call me at (817) 200-1103.

Please reply to this request by **August 2, 2012**.

Sincerely,

**Colleen Murnahan**, Licensing Assistant

Direct: 817-200-1103

Toll Free: 1-800-952-9677

Fax: 817-200-1263

E-mail: [Colleen.Murnahan@nrc.gov](mailto:Colleen.Murnahan@nrc.gov)

US Nuclear Regulatory Commission  
1600 E. Lamar Blvd.  
Arlington, TX 76011-4511



**PUBLIC**

- ☐ Immediate Release  
☒ Normal Release

**NON-PUBLIC**

- ☐ A.3 Sensitive-Security Related  
☐ A.7 Sensitive Internal  
☐ Other: \_\_\_\_\_

Reviewer: Jwo Date: 7/25/12

Date: 7/5/2012

Receiving Location: FAIRMOUNT CITY, PA

RSO: DAVID BENNETT



I certify that the following source(s) have been **RECEIVED** and are now in my custody and control.

Source Serial # / Shield Serial #	Activity (* mCi / GBq)	Model #	Condition	Location Received from:	Date Received
B3935	7.4	5192	Poor	GAYLORD	1/17/12
B5549	7.4	5192	GOOD	DUNBAR	1/17/12
B5691	3.7	5192	Good	DUNBAR	1/17/12
B6153	7.4	5192	Good	GAYLORD	1/17/12
B6383	3.7	5192	Good	DUNBAR	1/17/12
B6462	7.4	5190	Good	GAYLORD	1/17/12
B6674	3.7	5192	Good	GAYLORD	1/16/2012
B7266	7.4	5190	Good	DUNBAR	3/6/12
B7453	7.4	5190	Good	CLARKSBURG	11/15/11
B5548	3.7	5192	Good	CLARKSBURG	6/14/2012
B5640	3.7	5192	Good	CLARKSBURG	6/14/2012
B5835	7.4	5190	GOOD	GAYLORD	1/17/12

\*Indicate Activity units use mCi or GBq

FORWARD COPIES TO:  
BAKER HUGHES INCORPORATED  
Corporate RSO  
c/o Radiation Licensing Specialist  
2001 Rankin Road  
Houston, Texas 77073



Date: 6/11/2012

Transferring Location: FAIRMOUNT CITY, PA.

RSO: David Bennett

I certify that the following source(s) have been **TRANSFERRED** and are no longer under my custody and control.

Source Serial # / Shield Serial #	Activity (* mCi / GBq)	Model #	Condition	Location Transferred from:	Date Transferred
B7453	7.4	5190	GOOD	FAIRMOUNT CITY TO ODESSA	6/11/2012
B5549	7.4	5192	GOOD	FAIRMOUNT CITY TO ODESSA	6/15/2012
B6542	7.4	5192	GOOD	FAIRMOUNT CITY TO ODESSA	6/15/2012
B6674	7.4	5192	GOOD	FAIRMOUNT CITY TO HOBBS, NM	6/1/2012
B6872	7.4	5192	GOOD	FAIRMOUNT CITY TO HOBBS, NM	6/1/2012
B5548	3.7	5192	GOOD	FAIRMOUNT CITY TO SAN ANTONIO	6/20/2012
B5640	3.7	5192	GOOD	FAIRMOUNT CITY TO SAN ANTONIO	6/20/2012
B6462	7.4	5190	GOOD	FAIRMOUNT CITY TO SAN ANTONIO	6/20/2012
B7785	7.4	5190	GOOD	FAIRMOUNT CITY TO ODESSA	3/1/2012
B5768	7.4	5190	GOOD	FAIRMOUNT CITY TO CLARKSBURG	12/14/2011
B6538	7.4	5190	GOOD	FAIRMOUNT CITY TO BRIGHTON	2/29/2012
B6525	3.7	5192	GOOD	FAIRMOUNT CITY TO SNYDER	4/1/2012

\*Indicate Activity units use mCi or GBq

FORWARD COPIES TO:  
BAKER HUGHES INCORPORATED  
Corporate RSO  
Radiation Licensing Specialist  
2001 Rankin Road  
Houston, Texas 77073

Date: 6/1/2012

Transferring Location: Dunbar WV

RSO: Ryan Cottrell

I certify that the following source(s) have been **TRANSFERRED** and are no longer under my custody and control.

Source Serial # / Shield Serial #	Activity (* mCi / GBq)	Model #	Condition	Location Transferred from:	Date Transferred
B 5640	7.4	5192	fair	Dunbar WV	6/1
B 6528	3.7	5192	fair	Dunbar WV	6/1
B 5546	3.7	5192	fair	Dunbar WV	6/1
B 6526	3.7	5192	fair	Dunbar WV	6/1
B 5218	7.4	5190	fair	Dunbar WV	6/1
B 5725	7.4	5192	fair	Dunbar WV	6/1
B 5537	7.4	5190	fair	Dunbar WV	6/1
B 4037	7.4	5192	fair	Dunbar WV	6/1

\*Indicate Activity units use mCi or GBq

FORWARD COPIES TO:  
BAKER HUGHES INCORPORATED  
Corporate RSO  
Radiation Licensing Specialist  
2001 Rankin Road  
Houston, Texas 77073



Date: 6/1/2012

Receiving Location: Clarksburg WV

RSO: Ryan Cottrill

I certify that the following source(s) have been **RECEIVED** and are now in my custody and control.

Source Serial # / Shield Serial #	Activity (* mCi / GBq)	Model #	Condition	Location Received from:	Date Received
B5640	7.4	5192	fair	Dunbar WV	6/1
B6528	3.7	5192	↓	↓	↓
B5546	3.7	5192			
B6526	3.7	5192			
B5218	7.4	5190			
B5725	7.4	5192			
B5537	7.4	5190	↓	↓	↓
B4037	7.4	5192	fair	Dunbar	6/1

\*Indicate Activity units use mCi or GBq

FORWARD COPIES TO:  
BAKER HUGHES INCORPORATED  
Corporate RSO  
c/o Radiation Licensing Specialist  
2001 Rankin Road  
Houston, Texas 77073

Send all kits and requests to:

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

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 Baker Hughes - Pressure Pumping (2258)  
Info: 1245 Anna Drive  
Gaylord MI 49735-9365

Isotope: Cs 137 Activity: 7.4 GBq

Capsule Serial No: Not Available Leak Test Date: 12/23/11

SAP Equipment No: B3935

Manufacturer: TN Technologies Model No.: 5192

Smear Taken By: Dennis Schmidt

----- 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.

Our findings show the leakage to be:

ALPHA

BETA-GAMMA

-----

<.0001

µCi (Wet)

Certified By:



Date: 01/09/12

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

005112

*Removable contamination equal to or greater than 0.005 microcuries constitutes a leaking source.  
Results shown above are in accordance with TDSHS BRC regulations for sealed and plated sources.*

Send all kits and requests to:

**SUNTRAC Services, Inc.**  
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### LEAK TEST INVENTORY/REPORT FORM

Company Baker Hughes - Pressure Pumping (2258)

Info: 1245 Anna Drive

Gaylord MI 49735-9365

Isotope: Cs 137

Activity: 7.4

GBq

Capsule Serial No: Not Available

Leak Test Date: 12/23/11

SAP Equipment No: B5835

Manufacturer: TN Technologies

Model No.: 5190

Smear Taken By: Dennis Schmidt

----- 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.

Our findings show the leakage to be:

ALPHA

BETA-GAMMA

-----

<.0001

µCi (Wet)

Certified By:



Date: 01/09/12

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

005112

*Removable contamination equal to or greater than 0.005 microcuries constitutes a leaking source.  
Results shown above are in accordance with TDSHS BRC regulations for sealed and plated sources.*



Send all kits and requests to:

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### LEAK TEST INVENTORY/REPORT FORM

Company Baker Hughes - Pressure Pumping (2256)

Info: 660 Longview Road

Fairmount City PA 16224-1802

Isotope: Cs 137 Activity: 7.4 GBq

Capsule Serial No: Not Available Leak Test Date: 03/22/12

SAP Equipment No: B6153

Manufacturer: Thermo Measure Tech Model No.: 5192

Smear Taken By: Robert Legrand

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.

Our findings show the leakage to be:

ALPHA

BETA-GAMMA

-----

<.0001

µCi (Wet)

Certified By:



Date: 04/13/12

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

008612

*Removable contamination equal to or greater than 0.005 microcuries constitutes a leaking source.  
Results shown above are in accordance with TDSHS BRC regulations for sealed and plated sources.*

Send all kits and requests to:

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

ATTN: SIT-KIT

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### LEAK TEST INVENTORY/REPORT FORM

Company Baker Hughes - Pressure Pumping (2258)  
Info: 1245 Anna Drive  
Gaylord MI 49735-9365

Isotope: Cs 137 Activity: 7.4 GBq

Capsule Serial No: Not Available Leak Test Date: 12/23/11

SAP Equipment No: B6462

Manufacturer: TN Technologies Model No.: 5190

Smear Taken By: Dennis Schmidt

----- 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.

Our findings show the leakage to be:

ALPHA

BETA-GAMMA

-----

<.0001

µCi (Wet)

Certified By:



Date: 01/09/12

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

005112

*Removable contamination equal to or greater than 0.005 microcuries constitutes a leaking source.  
Results shown above are in accordance with TDSHS BRC regulations for sealed and plated sources.*

Send all kits and requests to:

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### LEAK TEST INVENTORY/REPORT FORM

Company Baker Hughes - Pressure Pumping (2258)  
Info: 1245 Anna Drive  
Gaylord MI 49735-9365

Isotope: Cs 137 Activity: 7.4 GBq

Capsule Serial No: Not Available Leak Test Date: 12/23/11

SAP Equipment No: B6674

Manufacturer: TN Technologies Model No.: 5192

Smear Taken By: Dennis Schmidt

----- 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.

Our findings show the leakage to be:

ALPHA

BETA-GAMMA

-----

<.0001

µCi (Wet)

Certified By:



Date: 01/09/12

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

005112

*Removable contamination equal to or greater than 0.005 microcuries constitutes a leaking source.  
Results shown above are in accordance with TDSHS BRC regulations for sealed and plated sources.*



Send all kits and requests to:

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### LEAK TEST INVENTORY/REPORT FORM

Company BJ Services, USA (2255)  
Info: 2106 Roxalana Road  
Dunbar WV 25064

Isotope: Cs 137 Activity: 7.4 GBq  
Source Serial No: Not Available Leak Test Date: 09/19/11  
Device Serial No: B7244  
Manufacturer: Thermo Model No.: 5190  
Smear Taken By: J D Drake

----- 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.

Our findings show the leakage to be:

ALPHA	BETA-GAMMA
----	<.0001

µCi (Wet)

Certified By:



Date: 09/27/11

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

003311

*Removable contamination equal to or greater than 0.005 microcuries constitutes a leaking source.  
Results shown above are in accordance with TDSHS BRC regulations for sealed and plated sources.*

Send all kits and requests to:

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

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 **BJ Services, USA (2255)**  
Info: **2106 Roxalana Road**  
**Dunbar WV 25064**

Isotope: Cs 137 Activity: 3.7 GBq

Source Serial No: Not Available Leak Test Date: 09/19/11

Device Serial No: B5599

Manufacturer: TN Technologies Model No.: 5192

Smear Taken By: J D Drake

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.

Our findings show the leakage to be:

ALPHA

BETA-GAMMA

<.0001

µCi (Wet)

Certified By:



Date: 09/27/11

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

**003311**

**Removable contamination equal to or greater than 0.005 microcuries constitutes a leaking source.**  
**Results shown above are in accordance with TDSHS BRC regulations for sealed and plated sources.**

Send all kits and requests to:

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

ATTN: SIT-KIT

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**LEAK TEST INVENTORY/REPORT FORM**

Company **BJ Services, USA (2255)**  
Info: **2106 Roxalana Road**  
**Dunbar West Virginia 25064**

Isotope: **Cs 137** Activity: **3.7** Gbq

Source Serial No. **Not Available** Leak Test Date: **07/15/11**

Device Serial No. **B5892**

Manufacturer: **TN Technologies** Model No.: **5192**

Smear Taken By: **J D Drake**

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.

Our findings show the leakage to be:

ALPHA

BETA-GAMMA

<0.001

µCi (wet)

Certified By:

*Penda Wasek*

Date: **07/19/11**

SUNTRAC Services, Inc. Representative

(Texas Radiologic License No. L140662)

000711

Removable contamination equal to or greater than 0.005 microcuries constitutes a leaking source. Results shown above are in accordance with TDCNR DRC regulations for sealed and plated sources.



Send all kits and requests to:

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

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 **BJ Services, USA (2255)**  
Info: **2106 Roxalana Road**  
**Dunbar West Virginia 25064**

Isotope: **Cs 137** Activity: **3.7** Gbq

Source Serial No: **Not Available** Leak Test Date: **07/12/11**

Device Serial No: **B5893**

Manufacturer: **TN Technologies** Model No.: **5192**

Smear Taken By: **J D Drake**

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.

Our findings show the leakage to be:

ALPHA	BETA-GAMMA
----	<.0001

POI (wet)

Certified By:

*Prenda Wasek*

Date: **07/19/11**

SUNTRAC Services, Inc. Representative  
(Texas Radioactive License No. 102062)

000711

*Removable contamination equal to or greater than 0.005 microcuries constitutes a leaking source. Results shown above are in accordance with TDSMS ABC regulations for sealed and plated sources*

Send all kits and requests to:

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

ATTN: SIT-KIT

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### LEAK TEST INVENTORY/REPORT FORM

Company Baker Hughes - Pressure Pumping (2255)  
Info: 2106 Roxalana Road  
Dunbar WV 25064

Isotope: Cs 137 Activity: 3.7 GBq

Capsule Serial No: Not Available Leak Test Date: 02/02/12

SAP Equipment No: B6526

Manufacturer: TN Technologies Model No.: 5190

Smear Taken By: J D Drake

----- 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.

Our findings show the leakage to be:

ALPHA	BETA-GAMMA
----	<.0001

µCi (Wet)

Certified By:



Date: 02/09/12

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

006912

*Removable contamination equal to or greater than 0.005 microcuries constitutes a leaking source.  
Results shown above are in accordance with TDSHS BRC regulations for sealed and plated sources.*

Send all kits and requests to:

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

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 Baker Hughes - Pressure Pumping (2255)

Info: 2106 Roxalana Road

Dunbar WV 25064

Isotope: Cs 137 Activity: 7.4 GBq

Capsule Serial No: Not Available Leak Test Date: 02/02/12

SAP Equipment No: B5725

Manufacturer: TN Technologies Model No.: 5192

Smear Taken By: J D Drake

----- 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.

Our findings show the leakage to be:

ALPHA	BETA-GAMMA
----	<.0001

µCi (Wet)

Certified By:



Date: 02/09/12

SUNTRAC Services, Inc. Representative

(Texas Radioactive License No. L03062)

006912

*Removable contamination equal to or greater than 0.005 microcuries constitutes a leaking source. Results shown above are in accordance with TDSHS BRC regulations for sealed and plated sources.*



Send all kits and requests to:

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

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 Baker Hughes - Pressure Pumping (2255)

Info: 2106 Roxalana Road

Dunbar WV 25064

Isotope: Cs 137

Activity: 3.7

GBq

Capsule Serial No: Not Available

Leak Test Date: 02/02/12

SAP Equipment No: B5537

Manufacturer: TN Technologies

Model No.: 5192

Smear Taken By: J D Drake

----- 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.

Our findings show the leakage to be:

ALPHA	BETA-GAMMA
----	<.0001

µCi (Wet)

Certified By:

*Prenda Wasak*

Date: 02/09/12

SUNTRAC Services, Inc. Representative

(Texas Radioactive License No. L03062)

006912

*Removable contamination equal to or greater than 0.005 microcuries constitutes a leaking source.  
Results shown above are in accordance with TDSHS BRC regulations for sealed and plated sources.*

Send all kits and requests to:

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

ATTN: SIT-KIT

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### LEAK TEST INVENTORY/REPORT FORM

Company **Baker Hughes - Pressure Pumping (2255)**  
Info: **2106 Roxalana Road**  
**Dunbar WV 25064**

Isotope: Cs 137 Activity: 7.4 GBq

Capsule Serial No: Not Available Leak Test Date: 02/02/12

SAP Equipment No: B5218

Manufacturer: TN Technologies Model No.: 5190

Smear Taken By: J D Drake

----- 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.

Our findings show the leakage to be:

ALPHA	BETA-GAMMA
---	<.0001

µCi (Wet)

Certified By:  Date: 02/09/12

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

**006912**

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ATTN: SIT-KIT

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### LEAK TEST INVENTORY/REPORT FORM

**Company** BJ Services, USA (2255)  
**Info:** 2106 Roxalana Road  
Dunbar West Virginia 25064

**Isotope:** Cs 137 **Activity:** 7.4 **Gbg**

**Source Serial No:** Not Available **Leak Test Date:** 07/14/11

**Device Serial No:** B5549

**Manufacturer:** TN Technologies **Model No.:** 5192

**Smear Taken By:** J D Drake

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.

Our findings show the leakage to be:

ALPHA

BETA-GAMMA

0.0001

0.0001 (0.0001)

Certified By:

*Penda Waseh*

Date: 07/19/11

SUNTRAC Services, Inc. Representative

(Print Name and Title)

000711

Removable contamination equal to or greater than 0.005 microcuries constitutes a leaking source.  
If the removable contamination is less than 0.005 microcuries, the source is not leaking.



Send all kits and requests to:

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

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 **BJ Services, USA (2255)**  
Info: **2106 Roxalana Road**  
**Dunbar West Virginia 25064**

Isotope: **Cs 137** Activity: **3.7** Gbq

Source Serial No: **Not Available** Leak Test Date: **07/15/11**

Device Serial No: **B5537**

Manufacturer: **TN Technologies** Model No.: **5192**

Smear Taken By: **J D Drake**

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.

Our findings show the leakage to be:

ALPHA

BETA-GAMMA

<0.001

µSv (RWh)

Certified By:

*Prenda Wasek*

Date: **07/19/11**

SUNTRAC Services, Inc. Representative

(Typed Representative Name) (Signature)

000711

Removable contamination equal to or greater than 0.005 microcuries constitutes a leaking source.  
Results shown above are in accordance with ASTM E1551-03 requirements for sealed and plastic sources.

Send all kits and requests to:

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

ATTN: SIT-KIT

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**LEAK TEST INVENTORY/REPORT FORM**

**Company** BJ Services, USA (2255)  
**Info:** 2106 Roxalana Road  
Dunbar West Virginia 25064

**Isotope:** Cs 137 **Activity:** 7.4 **Gbg**

**Source Serial No.** Not Available **Leak Test Date:** 07/15/11

**Device Serial No:** B4037

**Manufacturer:** TN Technologies **Model No.:** 5192

**Smear Taken By:** J D Drake

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.

Our findings show the leakage to be:

ALPHA

BETA-GAMMA

1.0001

Certified By:

*Prenda Wasek*

Date: 07/19/11

SUNTRAC Services, Inc. Representative  
(Transmittal/Revised: 1/1/2002)

000711

Removable contamination equal to or greater than 0.005 microcuries constitutes a leaking source. Requires removal of source and its containment with appropriate equipment and procedures.

Send all kits and requests to:

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

ATTN: SIT-KIT

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### LEAK TEST INVENTORY/REPORT FORM

Company BJ Services, USA (2255)  
Info: 2106 Roxalana Road  
Dunbar WV 25064

Isotope: Cs 137 Activity: 7.4 GBq

Source Serial No: Not Available Leak Test Date: 09/19/11

Device Serial No: B5725

Manufacturer: TN Technologies Model No.: 5192

Smear Taken By: J D Drake

----- 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.

Our findings show the leakage to be:

ALPHA

BETA-GAMMA

<.0001

µCi (Wet)

Certified By:



Date: 09/27/11

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

003311

*Removable contamination equal to or greater than 0.005 microcuries constitutes a leaking source.  
Results shown above are in accordance with TDSHS BRC regulations for sealed and plated sources.*



Send all kits and requests to:

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

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** BJ Services, USA (2255)  
**Info:** 2106 Roxalana Road  
Dunbar West Virginia 25064

**Isotope:** Cs 137 **Activity:** 3.7 Gbq

**Source Serial No.** Not Available **Leak Test Date:** 07/12/11

**Device Serial No:** B6526

**Manufacturer:** TN Technologies **Model No.:** 5192

**Smear Taken By:** J D Drake

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.

Our findings show the leakage to be:

ALPHA

BETA GAMMA

<.0001

µCi (Wet)

Certified By:



Date: 07/19/11

SUNTRAC Services, Inc. Representative  
(Texas Radioactive License No. L000002)

000711

*Removable contamination equal to or greater than 0.005 microcuries constitutes a leaking source.  
Results shown above are in accordance with TDCIS NRC regulations for sealed and plated sources.*

Send all kits and requests to:

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

ATTN: SIT-KIT

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### LEAK TEST INVENTORY/REPORT FORM

Company **BJ Services, USA (2255)**

Info: **2106 Roxalana Road**

**Dunbar WV 25064**

Isotope: **Cs 137**

Activity: **7.4**

**GBq**

Source Serial No: **Not Available**

Leak Test Date: **09/19/11**

Device Serial No: **B5218**

Manufacturer: **TN Technologies**

Model No.: **5190**

Smear Taken By: **J D Drake**

----- 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.

Our findings show the leakage to be:

ALPHA

BETA-GAMMA

<.0001

µCi (Wet)

Certified By:



Date: **09/27/11**

**SUNTRAC Services, Inc. Representative**

(Texas Radioactive License No. L03062)

**003311**

**Removable contamination equal to or greater than 0.005 microcuries constitutes a leaking source.**  
**Results shown above are in accordance with TDSHS BRC regulations for sealed and plated sources.**

Send all kits and requests to:

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

ATTN: SIT-KIT

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### LEAK TEST INVENTORY/REPORT FORM

**Company** BJ Services, USA (2255)

**Info:** 2106 Roxalana Road

Dunbar West Virginia 25804

**Isotope:** Cs 137

**Activity:** 7.4

**Gbg**

**Source Serial No.:** Not Available

**Leak Test Date:** 07/14/11

**Device Serial No.:** B5691

**Manufacturer:** TN Technologies

**Model No.:** 5192

**Smear Taken By:** J D Drake

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.

Our findings show the leakage to be:

ALPHA

BETA-GAMMA

<0.0001

PO (9/10)

Certified By:



Date: 07/19/11

SUNTRAC Services, Inc. Representative

(Texas Radiation License No. 143300)

000711

Removable contamination equal to or greater than 0.005 microcuries constitutes a leaking source.  
Results shown above are in compliance with 49 CFR 171.12, 171.13, 171.14, 171.15, 171.16, 171.17, 171.18, 171.19, 171.20, 171.21, 171.22, 171.23, 171.24, 171.25, 171.26, 171.27, 171.28, 171.29, 171.30, 171.31, 171.32, 171.33, 171.34, 171.35, 171.36, 171.37, 171.38, 171.39, 171.40, 171.41, 171.42, 171.43, 171.44, 171.45, 171.46, 171.47, 171.48, 171.49, 171.50, 171.51, 171.52, 171.53, 171.54, 171.55, 171.56, 171.57, 171.58, 171.59, 171.60, 171.61, 171.62, 171.63, 171.64, 171.65, 171.66, 171.67, 171.68, 171.69, 171.70, 171.71, 171.72, 171.73, 171.74, 171.75, 171.76, 171.77, 171.78, 171.79, 171.80, 171.81, 171.82, 171.83, 171.84, 171.85, 171.86, 171.87, 171.88, 171.89, 171.90, 171.91, 171.92, 171.93, 171.94, 171.95, 171.96, 171.97, 171.98, 171.99, 171.100.



Send all kits and requests to:

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

ATTN: SIT-KIT

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### LEAK TEST INVENTORY/REPORT FORM

Company BJ Services, USA (2255)  
Info: 2106 Roxalana Road  
Dunbar WV 25064

Isotope: Cs 137 Activity: 7.4 GBq

Source Serial No: Not Available Leak Test Date: 09/19/11

Device Serial No: B6383

Manufacturer: TN Technologies Model No.: 5192

Smear Taken By: J D Drake

----- 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.

Our findings show the leakage to be:

ALPHA	BETA-GAMMA
----	<.0001

µCi (Wet)

Certified By:



Date: 09/27/11

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

003311

*Removable contamination equal to or greater than 0.005 microcuries constitutes a leaking source.  
Results shown above are in accordance with TDSHS BRC regulations for sealed and plated sources.*

Send all kits and requests to:

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

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### LEAK TEST INVENTORY/REPORT FORM

Company BJ Services, USA (2255)  
Info: 2106 Roxalana Road  
Dunbar West Virginia 25064

Isotope: Cs 137 Activity: 7.4 Gbq  
Source Serial No: Not Available Leak Test Date: 07/12/11  
Device Serial No: B7266  
Manufacturer: TN Technologies Model No.: 5190  
Smear Taken By: J D Drake

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.

Our findings show the leakage to be:

ALPHA

BETA-GAMMA

<.0001

µCi (Wet)

Certified By:

*Renda Wasek*

Date: 07/19/11

SUNTRAC Services, Inc. Representative

(Texas Radioactive License No. L03062)

000711

**Removable contamination equal to or greater than 0.005 microcuries constitutes a leaking source.**  
**Results shown above are in accordance with TDSHS BRC regulations for sealed and plated sources.**