

## ACCEPTANCE REVIEW MEMO (ARM)

**Licensee:** Department of the Interior, Bureau of Indian Affairs, DOT      **License No.:** 30-21147-02  
**Docket No.:** 030-20544      **Mail Control No.:** 471536  
**Type of Action:** Term      **Date of Requested Action:** 10-16-07  
**Reviewer Assigned:**      **ARM reviewer(s):** Torres

Response	Deficiencies Noted During Acceptance Review
	[ ] Open ended possession limits. Limit possession. Submit inventory. [ ] Submit copies of most recent leak test results. [ ] Add - delete IC license condition. Add IC paragraph in cover letter. [ ] Split license from cover letter. Add SUNSI marking to license. [ ] Ask the licensee if they have any type-amount of EPAct Material.

**Reviewer's Initials:** \_\_\_\_\_ **Date:** \_\_\_\_\_

<input type="checkbox"/> Yes	<input type="checkbox"/> No	Unrestricted release Group 2 or >: Transfer memo to FCDB within 10 days.
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Decommissioning notification should be completed within 30 days.
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Termination request < 90 days from date of expiration
<input type="checkbox"/> Yes	<input type="checkbox"/> No	Expedite (medical emergency, no RSO, location of use/storage not on license, RAM in possession not on license, other)
<input type="checkbox"/> Yes	<input type="checkbox"/> No	TAR needed to complete action.

**Branch Chief's and/or Sr. HP's Initials:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**SUNSI Screening according to RIS 2005-31**

Yes     No    **Non-Publicly Available, Sensitive** if any item below is checked

General guidance:

- \_\_\_\_\_ RAM = or > than Category 3 (Table 1, RIS 2005-31), use Unity Rule
- \_\_\_\_\_ Exact location of RAM (whether = or > than Category 3 or not)
- \_\_\_\_\_ Design of structure and/or equipment (site specific)
- \_\_\_\_\_ Information on nearby facilities
- \_\_\_\_\_ Detailed design drawings and/or performance information
- \_\_\_\_\_ Emergency planning and/or fire protection systems

Specific guidance for medical, industrial and academic (above Category 3):

- \_\_\_\_\_ RAM quantities and inventory
- \_\_\_\_\_ Manufacturer's name and model number of sealed sources & devices
- \_\_\_\_\_ Site drawings with exact location of RAM, description of facility
- \_\_\_\_\_ RAM security program information (locks, alarms, etc.)
- \_\_\_\_\_ Emergency Plan specifics (routes to/from RAM, response to security events)
- \_\_\_\_\_ Vulnerability/security assessment/accident-safety analysis/risk assess
- \_\_\_\_\_ Mailing lists related to security response

**Branch Chief's and/or Sr. HP's Initials:** *[Signature]*      **Date:** OCT 19 2007

**Pre-Licensing Screening**

**Applicant Information:**

**Control No. 471536**

Name: Department of the Interior, Bureau of Indian Affairs, DOT	Type of Request: Term Program Code(s): 03121
Location: NM	License No.: 30-21147-02      Docket No.: 030-20544

**STEP 1—Radioactive Materials and Quantities Requested:**

<b>Instructions for Step 1: Complete Step 1 for all applications.</b> If all your responses in Step 1 are "No" then do not complete Step 2 (Screening Criteria). Sign and date the completed step-sheet and add it as the sensitive and non-publicly available OAR in ADAMS. If a "yes" response is indicated for any item in Step 1, also complete Step 2. If the type of use is subject to a Security Order or the requirements for increased controls, complete Step 3 (Item A or Item B) without delay.		Yes or No
A.	The request is from a new applicant.	No
B.	NUREG-1556, Volume 20, Section 4.9 indicates a licensing site visit is needed for the requested type of use, e.g., (1) Type A broad scope license, (2) panoramic irradiator containing > 10000 curies, (3) manufacturers or distributors using unsealed radioactive material or significant quantities of sealed material, (4) radioactive waste brokers, (5) radioactive waste incinerators, (6) commercial nuclear laundries, and (7) any other application that in the judgement of the reviewer and cognizant supervisor involves complex technical issues, complex safety questions, or unprecedented issues that warrant a site visit.	No
C.	The applicant requested certain radionuclides and quantities that equal or exceed the Risk Significant Quantity (TBq) values in the table, below, that have been "highlighted" by the reviewer	No

**Table of Risk Significant Quantities**

(Category 2 Quantities, IAEA Safety Guide No. RS-G-1.9, Categorization of Radioactive Sources, August 2005)

Radionuclide	Risk Significant Quantity (TBq <sup>1</sup> )	Risk Significant Quantity (Ci <sup>1</sup> )	Radionuclide	Risk Significant Quantity (TBq <sup>1</sup> )	Risk Significant Quantity (Ci <sup>1</sup> )
Am-241	0.6	16	Pm-147	400	11,000
Am-241/Be	0.6	16	Pu-238	0.6	16
Cf-252	0.2	5.4	Pu-239/Be	0.6	16
Cm-244	0.5	14	Ra-226 <sup>2</sup>	0.4	11
Co-60	0.3	8.1	Se-75	2	54
Cs-137	1	27	Sr-90 (Y-90)	10	270
Gd-153	10	270	Tm-170	200	5,400
Ir-192	0.8	22	Yb-169	3	81

<sup>1</sup> The primary values are TBq. The curie (Ci) values are for informational purposes only.  
<sup>2</sup> The Atomic Energy Act, as amended by the Energy Policy Act of 2005, authorizes NRC to regulate Ra-226 and NRC is in the process of amending its regulations for discrete sources of Ra-226.

Calculations of the Total Activity or the Unity Rule are attached to document whether or not the screening criteria in Step 2 were also completed to evaluate the application. <b>NOTE—If an amendment of an existing license is being requested, the calculations will include the previously authorized quantities for the radionuclide(s).</b>	Yes, No, or Not Applicable (NA)
Total Activity—multiple activities are requested for a single radionuclide and the sum of the activities equals or exceeds the quantity of concern for the radionuclide	—
Unity Rule—multiple radionuclides are requested and the sum of the ratios equals or exceeds unity, e.g., [(total activity for radionuclide A) ÷ (risk significant quantity for radionuclide A)] + [(total activity for radionuclide B) ÷ (risk significant quantity for radionuclide B)] ≥ 1.0.	—

**Signature and Date for Step 1:**

*[Handwritten Signature]*

OCT 19 2007

License Reviewer and Date

**DOI, BUREAU OF INDIAN AFFAIRS**

Shiprock Agency

Division of Transportation

Construction Section

P.O. Box 3538

Shiprock, New Mexico 87420

(505) 368-3341 FAX (505) 368-3348

OCT 16 2007

**FAX TRANSMITTAL****To:** Mr. Roberto J. Torres, Senior Health Physicist**From:** Anderson Blatchford**Fax:** (817) 860-8263**Date:** October 16, 2007**Phone:** (817) 860-8189**Pages:** 05**Re:** NRC FORM 314**CC:** **Urgent**    **For Review**    **Please Comment**    **Please Reply**    **Please Recycle****Comments:**

This is regarding *Certificate of Disposition of Material Form 314*, terminate of NRC license, and copy of the latest leak test result.

The original correspondences are forthcoming in the mail.

If you have any question please call Anderson Blatchford, Radiation Safety Officer at (505) 368-3344.

*Anderson Blatchford*

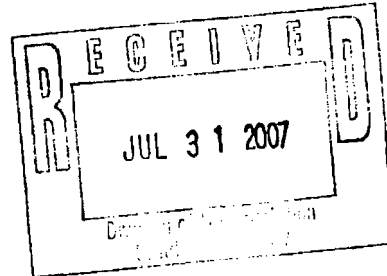
<p><b>NRC FORM 314</b> (6-2004) 10 CFR 30.36(j)(1); 40.42(j)(1); 70.38(j)(1); and 72.54(j)(1)</p>	<p><b>U.S. NUCLEAR REGULATORY COMMISSION</b></p>	<p><b>APPROVED BY OMB: NO. 3150-0028</b></p>	<p><b>EXPIRES: 06/30/2007</b></p>
<p><b>CERTIFICATE OF DISPOSITION OF MATERIALS</b></p>		<p>Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submission 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 <a href="mailto:infocollects@nrc.gov">infocollects@nrc.gov</a>, and to the Desk Officer, Office of Information and Regulatory Affairs, NE08-10202, (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.</p>	
<p><b>LICENSEE NAME AND ADDRESS</b> <b>DOI, Bureau of Indian Affairs</b> Shiprock Agency, Division of Transportation P.O. Box 3538, Shiprock, New Mexico 87420</p>		<p><b>LICENSE NUMBER</b> 30-21147</p>	<p><b>DOCKET NUMBER</b> 030-20544</p>
		<p><b>LICENSE EXPIRATION DATE</b> May 31, 2015</p>	
<p><b>A. LICENSE STATUS (Check the appropriate box)</b></p> <p><input type="checkbox"/> This license has expired.     <input checked="" type="checkbox"/> This license has not yet expired; please terminate it.</p>			
<p><b>B. DISPOSAL OF RADIOACTIVE MATERIAL</b></p>			
<p><i>(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)</i></p> <p>The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:</p>			
<p><input type="checkbox"/> 1. No radioactive materials have ever been procured or possessed by the licensee under this license.</p>			
<p><input checked="" type="checkbox"/> 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.</p>			
<p><input checked="" type="checkbox"/> a. Transfer of radioactive materials to the licensee listed below:     TROXLER Gauge Model No. 3440 Gauge Serial Number 026954</p>			
<p><input type="checkbox"/> b. Disposal of radioactive materials:</p>			
<p><input type="checkbox"/> 1. Directly by the licensee:     Service and Repair - RTP OFFICE Troxler Electronics' Labs, Inc. 3008 Cornwallis Road Research Triangle Park, NC 27709 Phone no. (919) 549-8661</p>			
<p><input type="checkbox"/> 2. By licensed disposal site:</p>			
<p><input type="checkbox"/> 3. By waste contractor:</p>			
<p><input type="checkbox"/> 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.</p>			
<p><b>C. SURVEYS PERFORMED AND REPORTED</b></p>			
<p><input type="checkbox"/> 1. A radiation survey was conducted by the licensee. The survey confirms:</p>			
<p><input type="checkbox"/> a. the absence of licensed radioactive materials</p>			
<p><input type="checkbox"/> b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.</p>			
<p><input type="checkbox"/> 2. A copy of the radiation survey results:</p>			
<p><input type="checkbox"/> a. is attached; or <input type="checkbox"/> b. is not attached (Provide explanation); or <input type="checkbox"/> c. was forwarded to NRC on: _____ Date</p>			
<p><input checked="" type="checkbox"/> 3. A radiation survey is not required as only sealed sources were ever possessed under this license, and</p>			
<p><input checked="" type="checkbox"/> a. The results of the latest leak test are attached; and/or     <input type="checkbox"/> b. No leaking sources have ever been identified.</p>			
<p>The person to be contacted regarding the information provided on this form:</p>			
NAME	TITLE	TELEPHONE (Include Area Code)	E-MAIL ADDRESS
Anderson Blatchford	Radiation Safety Officer	505-368-3341	
<p>Mail all future correspondence regarding this license to: DOI, Bureau of Indian Affairs, Shiprock Agency Division of Transportation</p>			
<p><b>C. CERTIFYING OFFICIAL</b></p> <p><b>I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT</b></p>			
PRINTED NAME AND TITLE	SIGNATURE	DATE	
Anderson Blatchford, RSO	<i>Anderson Blatchford</i>	October 16, 2007	
<p><b>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.</b></p>			

OCT 16 2007

**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

MANUEL JIM  
 BIA- SHIPROCK AGENCY  
 PO BOX 3538  
 SHIPROCK, NM 87420




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**LEAK TEST CERTIFICATE**


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**DEVICE:**

**Model:** 3440      **Serial No:** 26954

**SEALED SOURCES:**

Serial No.	Measure Date	Nuclide	GBq	mCi
47-23460	08/15/1996	AM-241:BE	1.48	40
750-153	08/16/1996	CS-137	0.296	8

**LEAK TEST ANALYSIS:**

**Sample collected on:** 07/20/2007  
**Sample analyzed on:** 07/24/2007 at 11:24:00 AM  
**Analyzed by:** HARRY P. PENDLETON, JR.

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.29E+01	2.02E+01
Background measurement (cpm)	1	25
Sample measurement (cpm)	0	25
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)**



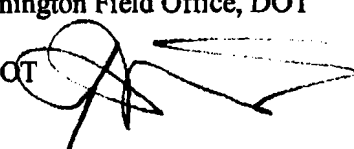
**United States Department of the Interior  
Bureau of Indian Affairs  
Navajo Regional Office  
P. O. Box 1060  
Gallup, New Mexico 87305-1060**

IN REPLY REFER TO:  
DIVISION OF TRANSPORTATION  
MIC: 370

SEP 24 2007

**MEMORANDUM**

**TO:** Agency Supervisory Highway Engineers, Shiprock Agency ✓  
, Western Navajo Agency  
, Chinle Agency  
, Fort Defiance Agency  
Supervisory Highway Engineer, Farmington Field Office, DOT

**FROM:** Division Manager, Navajo Region DOT 

**SUBJECT:** Portable Nuclear Gauges

The Navajo Regional Office, Division of Transportation (NRO-DOT) does not possess a permit or license issued by the Nuclear Regulatory Commission (NRC) concerning portable nuclear gauges (gauges) normally used in construction material testing. The gauges used in construction field density and moisture determination are contracted out under the Quality Control contract item.

We are requiring that all field offices that have all gauges on their personal property inventory to take necessary action to remove them from inventory. If field offices have NRC licenses, they need to officially notify NRC and follow the required protocols to remove these gauges. We will no longer authorize any payment of license or permits for these gauges.

Protect the gauges according to the license requirement, until they are officially returned to the manufacturer. You will need to officially notify the NRO Property Management Office and follow the procedure(s) to remove the gauges from the property listing. Since the gauges have radioactive sources, we must exercise extreme care and we do not recommend that these gauges be offered to other entities but the manufacturers.

If you have any questions, please call me or Mr. Alfred Myron.

OCT 16 2007

# FedEx Express US Airbill

FedEx Tracking Number **8621 6977 7153**

Sender's Copy

From *Please print and print hard.* **0276 0020-4**  
Date **10-16-07** Sender's FedEx Account Number **02760020-4** ACCOUNT NUMBER ONLY

Sender's Name **Anderson Blatchford** Phone **(505) 368-3341**

Company **USDI- Bureau Of Indian Affairs**

Address **North Hwy 491 & N531, Bldg SR 168**

City **Shiprock** State **NM** ZIP **87420**

2 Your Internal Billing Reference **OPTIONAL**

3 To Recipient's Name **Troxler Electronic Labs, Inc.** Phone **(919) 549-8661**

Company **Troxler Electronic Labs, Inc.**

Recipient's Address **3008 Cornwallis Road**

Address **3008 Cornwallis Road**

City **Research Triangle Park** State **NC** ZIP **27709**

### 4a Express Package Service

FedEx Priority Overnight Next business day\*\* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx Standard Overnight Next business afternoon\* Saturday Delivery NOT available.

FedEx First Overnight Earliest next business morning delivery in select locations.\* Saturday Delivery NOT available.

FedEx 2Day Second business day\*\* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected. FedEx Envelope rate not available. Minimum charge: One-pound rate.

FedEx Express Saver Third business day\*\* Saturday Delivery NOT available.

### 4b Express Freight Service

FedEx 1Day Freight\*\* Next business day\*\* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx 2Day Freight Second business day\*\* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

5 Packaging

FedEx Envelope\*  FedEx Pak\*  FedEx Box  FedEx Tube  Other

### 6 Special Handling

SATURDAY Delivery NOT Available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 2Day Freight.

HOLD Weekday at FedEx Location NOT Available for FedEx First Overnight.

HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day in select locations.

Does this shipment contain dangerous goods?  
 No  Yes As per recipient's Declaration.  Yes Shipper's Declaration not required.

Dry Ice  Dry Ice  Cargo Aircraft Only

### 7 Payment

Enter FedEx Acct. No. or Credit Card No. below:

Recipient  Third Party  Credit Card  Cash/Check

FedEx Acct. No. **0276-0020-4** Exp. Date

Total Packages **1** Total Weight **72** Total Declared Value\* **100.00**

\*Our liability is limited to \$500 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and to the current FedEx Service Guide, including those that limit our liability.

### 8 Residential Delivery Signature Options

If you require a signature, check Direct or Indirect.



IN REPLY REFER TO  
Division of Transportation

# United States Department of the Interior

BUREAU OF INDIAN AFFAIRS  
Shiprock Agency  
P.O. Box 3538  
Shiprock, New Mexico 87420-3538  
Phone (505) 368-3341 or FAX (505) 368-3348



**OCT 16 2007**

RECEIVED

OCT 22 2007

DNMS

*fast rec'd on  
10-16-07  
cm*

Robert J. Torres, Senior Health Physicist  
Nuclear Material Licensing Branch  
Region IV  
611 Ryan Plaza Drive, Suite 400  
Arlington Texas 76011-4005

**Re: Terminate License Activity and Transfer Gauge 26954  
Docket No. 030-20544, License No. 30-21147-02, Control No. 464935**

Dear Mr. Torres:

Enclosed are copies of correspondence relating to transferring and terminating gauge 26954.  
We are sending the following documents:

1. Letter from Bob Wilson of Troxler Electronic Lab, Rocky Mountain Branch dated August 23, 2007.
2. Letter from BIA to Troxler Electronic Inc. dated August 14, 2007.
3. TROXLER Electronics' RGA/License Certification
4. Memorandum from US-BIA Navajo Regional Office DOT requiring all field offices gauges remove from inventory dated September 24, 2007.
5. FEDEX US Air bill dated October 16, 2007.
6. Seal source posses under this license, a copy of most recent leak test, by Harry P. Pendleton, Jr., of Troxler Electronic Laboratories, Inc. dated July 24, 2007.
7. *Certificate of Disposition* NRC Form 314

Shiprock Agency DOT is notifying the US Nuclear Regulatory Commission under 10 CFR 30.6 that we are terminating all activities involving materials authorized under this license.

BIA, Shiprock Agency DOT, is documenting the transfer of gauge to an authorized recipient as specified in paragraph 20.301(a) of 10 CFR to Troxler Electronic Laboratories, Inc. The portable nuclear gauge model is as follows:

- Troxler Model 3440 Nuclear Gauges No. 26954  
Seal Sources Serial Number 750-153 [Isotope (s) Cs 137] 8.0 mCi  
Seal Sources Serial Number 47-23460 [Am 241: BE] 40 mCi

471536



Page Two; Date: October 16, 2007

Terminate License Activity and Transfer Gauge 26954

Docket No. 030-20544, License No. 30-21147-02, Control No. 464935

If you have any questions, please contact Mr. Anderson Blatchford, Radiation Safety Officer at telephone (505) 368-3344 or Email Ablatchford @ Hotmail.com.

Sincerely,

A handwritten signature in black ink that reads "Anderson Blatchford". The signature is written in a cursive style with a large, sweeping initial 'A'.

Anderson Blatchford  
Radiation Safety Officer

Enclosures

August 23, 2007

Anderson Blatchford  
USDI-BIA, Road Department  
Shiprock Agency  
PO Box 3538  
Shiprock, NM 87420

Anderson,

Enclosed are the documents needed to ship the gauge back to Troxler by Fed Ex.

Date the Fed Ex Airbill.

Fill out the tabbed areas on the "Shippers Declaration for Dangerous Goods" form- 3 copies. Give Fed EX three copies- keep a copy for your records.

Please put on the gauge case lid , with a marker-" RGA # 05938" .

Also, put the envelope with RGA 05938 in the gauge case.

Place a plastic cable tie on the case lid "lock latch". This will be a tamper proof seal. The gauge source rod handle must be locked . Do not leave the key in the lock.

Troxler will send you a receipt of disposal for the gauge. Keep this document in the license records. You can forward a copy to the NRC as needed.

Thank you,



Bob Wilson

Troxler Electronic Labs, Rocky Mtn Br  
303-969-0950  
303-638-8947 cell

6 3 1 2007



IN REPLY REFER TO:

Division of Transportation

# United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Shiprock Agency

P.O. Box 3538

Shiprock, New Mexico 87420-3538

Phone (505) 368-3341 or FAX (505) 368-3348

**AUG 14 2007**

Mr. Bob Wilson  
Troxler Electronic Laboratories, Inc.  
Rocky Mountain Branch  
2398 S. Holland Ct.  
Lakewood, CO 80227

Re: **Transfer of Ownership of Troxler Nuclear Gauge 26954**  
**Docket No. 030-20544, License No. 30-21147-02, Control No. 464935**

Dear Mr. Wilson,

Please find enclosed copies of the most recent leak test by Harry P. Pendleton, Jr, of Troxler Electronic Laboratories, Inc. dated July 24, 2007. BIA has included copies of our Federal NRC License for documentation purpose.

The Bureau of Indian Affairs, Shiprock Agency Division of Transportation is documenting the transfer ownership one Troxler Nuclear Density Gauge 26954 (Model #3440) to Troxler Electronic Laboratories as the legal owner.

1. Troxler Model 3440 Nuclear Gauges No. 26954  
Seal Sources Serial Number 750-153 [Isotope (s) Cs 137] 8.0 mCi  
Seal Sources Serial Number 47-23460 [Am 241: BE] 40 mCi

If you have any questions, please call our office.

Sincerely,

Anderson Blatchford  
Radiation Safety Officer

The undersigned to the conditions above and will file proper documentation with U.S. Nuclear Regulatory Commission (NRC).

Anderson Blatchford, URSO

Date Aug 14, 2007

Bob Wilson

Date Aug 22, 2007

RGA 11 05938



SERVICE AND REPAIR - RTP OFFICE  
3008 Cornwallis Road, PO Box 12057, Research Triangle Park, NC  
Phone: 919-549-8661 Fax: 919-485-2229

## RG/License Certification

\*\*\* IMPORTANT \*\*\*

\*\*\*\*\*THIS DOCUMENT IS REQUIRED TO EXPEDITE THE RETURN OF YOUR GAUGE\*\*\*\*\*

North Carolina regulations require this License Certification section be completed EACH time a Nuclear Gauge is returned to the customer. Please complete, sign and return this form with your Nuclear Gauge. You may also make copies of this form for use with gauges you send in the future.

### SECTION 1: LICENSE CERTIFICATION (for Nuclear Gauges only)

This is to certify that the licensee named below is licensed to possess radioactive materials of the type, quantity and form specified in Section 2 and at the ship to address listed in Section 3 of this form.

Licensee Name: USDI - BIA  
Shipprock Agency License #: 30-21147-02  
New Mexico

Expiration Date: May 31, 2015 License Issued By: NRC

Certified by: \_\_\_\_\_ Date: \_\_\_\_\_  
(Radiation Safety Officer -signature)

### SECTION 2: EQUIPMENT

Model 3440 SN 26954 Model \_\_\_\_\_ SN \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### SECTION 3: CUSTOMER INFORMATION

Contact Name: Anderson Blatchford P.O. #: \_\_\_\_\_  
Phone: 505/368-3341  
Fax #: 505/368-3348

Customer: USDI - BIA Bill To: \_\_\_\_\_  
Return: Attn: Anderson Blatchford  
Address: Food's Department  
PO Box 3538  
Shipprock, NM 87430

### SECTION 4: SERVICE REQUIRED, SYMPTOMS, COMMENTS, ETC.

Please drop off gauge and send  
receipt if dropped to above address




United States Department of the Interior  
Bureau of Indian Affairs  
Navajo Regional Office  
P. O. Box 1060  
Gallup, New Mexico 87305-1060

IN REPLY REFER TO:  
DIVISION OF TRANSPORTATION  
MIC: 370

SEP 24 2007

MEMORANDUM

**TO:** Agency Supervisory Highway Engineers, Shiprock Agency ✓  
, Western Navajo Agency  
, Chinle Agency  
, Fort Defiance Agency  
Supervisory Highway Engineer, Farmington Field Office, DOT

**FROM:** Division Manager, Navajo Region DOT 

**SUBJECT:** Portable Nuclear Gauges

The Navajo Regional Office, Division of Transportation (NRO-DOT) does not possess a permit or license issued by the Nuclear Regulatory Commission (NRC) concerning portable nuclear gauges (gauges) normally used in construction material testing. The gauges used in construction field density and moisture determination are contracted out under the Quality Control contract item.

We are requiring that all field offices that have all gauges on their personal property inventory to take necessary action to remove them from inventory. If field offices have NRC licenses, they need to officially notify NRC and follow the required protocols to remove these gauges. We will no longer authorize any payment of license or permits for these gauges.

Protect the gauges according to the license requirement, until they are officially returned to the manufacturer. You will need to officially notify the NRO Property Management Office and follow the procedure(s) to remove the gauges from the property listing. Since the gauges have radioactive sources, we must exercise extreme care and we do not recommend that these gauges be offered to other entities but the manufacturers.

If you have any questions, please call me or Mr. Alfred Myron.

FedEx Tracking Number **8621 6977 7153**

**Sender's Copy**

**From** Please print and press hard. **Date** 10-16-07 **Sender's FedEx Account Number** 02760020-4 **FedEx Tracking Number** 02760020-4 **SHIPMENT NUMBER ONLY**

**Sender's Name** Anderson Blatchford **Phone** (505) 368-3341

**Company** USDI- Bureau Of Indian Affairs

**Address** North Hwy 491 & N531, Bldg SR 168

**City** Shiprock **State** NM **ZIP** 87420

**2 Your Internal Billing Reference** OPTIONAL

**3 To Recipient's Name** Troxler Electronic Labs, Inc. **Phone** (919) 549-8661

**Company** Troxler Electronic Labs, Inc.

**Recipient's Address** We cannot deliver to P.O. boxes or P.D. ZIP codes. **Dept./Floor/Suite/Room**

**Address** 3008 Cornwallis Road

To request a package be held at a specific FedEx location, print FedEx address here.

**City** Research Triangle Park **State** NC **ZIP** 27709

**4a Express Package Service**

**FedEx Priority Overnight** Next business morning.\* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

**FedEx Standard Overnight** Next business afternoon.\* Saturday Delivery NOT available.

**FedEx First Overnight** Earliest next business morning delivery to select locations.\* Saturday Delivery NOT available.

**FedEx 2Day** Second business day.\* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected. FedEx Envelope rate not available. Minimum charge: One-pound rate.

**FedEx Express Saver** Third business day.\* Saturday Delivery NOT available.

\* To most locations.

**4b Express Freight Service**

**FedEx 1Day Freight\*** Next business day.\*\* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

**FedEx 2Day Freight** Second business day.\*\* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

**FedEx 3Day Freight** Third business day.\*\* Saturday Delivery NOT available.

\* Call for Confirmation. \*\* To most locations.

**5 Packaging**

**FedEx Envelope\***

**FedEx Pak\*** Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.

**FedEx Box**

**FedEx Tube**

**Other** \* Declared value limit \$500.

**6 Special Handling**

**SATURDAY Delivery** NOT Available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.

**HOLD Weekday at FedEx Location** NOT Available for FedEx First Overnight.

**HOLD Saturday at FedEx Location** Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

**Does this shipment contain dangerous goods?** One box must be checked.

No  Yes As per attached Shipper's Declaration.  Yes Shipper's Declaration not required.

Dry Ice Dry Ice, 9 UN 1845 x \_\_\_\_\_ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.  **Cargo Aircraft Only**

**7 Payment** *Billed*

**Sender's Account** Enter FedEx Acct. No. or Credit Card No. below.  Recipient  Third Party  Credit Card  Cash/Check

FedEx Acct. No. 02760020-4 Exp. Date \_\_\_\_\_

**Total Packages** 1 **Total Weight** 72 **Total Declared Value†** \$ 100.00

†Our liability is limited to \$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

**8 Residential Delivery Signature Options** If you require a signature, check Direct or Indirect.



**Troxler Electronic Laboratories, Inc.**

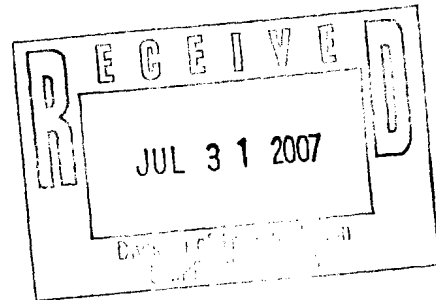
3008 Cornwallis Rd., P.O. Box 12057

Research Triangle Park, NC 27709

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

License: NC 032-0182-1

MANUEL JIM  
BIA- SHIPROCK AGENCY  
PO BOX 3538  
SHIPROCK, NM 87420



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**LEAK TEST CERTIFICATE**

---

**DEVICE:**

**Model:** 3440

**Serial No:** 26954

**SEALED SOURCES:**

Serial No.	Measure Date	Nuclide	GBq	mCi
47-23460	08/15/1996	AM-241:BE	1.48	40
750-153	08/16/1996	CS-137	0.296	8

**LEAK TEST ANALYSIS:**

**Sample collected on:** 07/20/2007

**Sample analyzed on:** 07/24/2007 at 11:24:00 AM

**Analyzed by:** HARRY P. PENDLETON, JR.

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.29E+01	2.02E+01
Background measurement (cpm)	1	25
Sample measurement (cpm)	0	25
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)**

10 CFR 30.36(j)(1); 40.42(j)(1); 70.38(j)(1); and 72.54(j)(1)

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 infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-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.

**CERTIFICATE OF DISPOSITION OF MATERIALS**

LICENSEE NAME AND ADDRESS <b>DOI, Bureau of Indian Affairs</b> Shiprock Agency, Division of Transportation P.O. Box 3538, Shiprock, New Mexico 87420	LICENSE NUMBER 30-21147	DOCKET NUMBER 030-20544
	LICENSE EXPIRATION DATE May 31, 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: TROXLER Gauge Model No. 3440  
Gauge Serial Number 026954

b. Disposal of radioactive materials:

1. Directly by the licensee: Service and Repair - RTP OFFICE  
Troxler Electronics' Labs, Inc.  
3008 Cornwallis Road  
Research Triangle Park, NC 27709  
Phone no. (919) 549-8661

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 Anderson Blatchford	TITLE Radiation Safety Officer	TELEPHONE (Include Area Code) 505-368-3341	E-MAIL ADDRESS
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Mail all future correspondence regarding this license to:  
 DOI, Bureau of Indian Affairs, Shiprock Agency Division of Transportation

**C. CERTIFYING OFFICIAL**  
 I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE Anderson Blatchford, RSO	SIGNATURE <i>Anderson Blatchford</i>	DATE October 16, 2007
--	---	--------------------------

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.

471536



OCT 24 2007

This is to acknowledge the receipt of your letter/application dated 10-16-07, and to inform you that the initial processing, which includes an administrative review, has been performed.

DATE

There were no administrative omissions. Your application will be assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card:

The action you requested is normally processed within 90 days.

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 471536.  
When calling to inquire about this action, please refer to this mail control number.  
You may call me at 817-860-8103.

Sincerely,

*Colleen Murnahan*

Licensing Assistant

(FOR LFMS USE)  
INFORMATION FROM LTS

BETWEEN:

License Fee Management Branch, ARM  
and  
Regional Licensing Sections

:  
:  
:  
:  
:  
: Program Code: 03121  
: Status Code: 0  
: Fee Category: 3P  
: Exp. Date: 20150531  
: Fee Comments:  
: Decom Fin Assur Req: N  
:.....

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: INTERIOR, DEPARTMENT OF THE  
Received Date: 20071016  
Docket No: 3020544  
Control No.: 471536  
License No.: 30-21147-02  
Action Type: Termination

2. FEE ATTACHED

Amount: \_\_\_\_\_  
Check No.:           /          

3. COMMENTS

Signed Colleen Murnahan  
Date 10-16-07

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /\_/)

1. Fee Category and Amount: \_\_\_\_\_

2. Correct Fee Paid. Application may be processed for:

Amendment \_\_\_\_\_  
Renewal \_\_\_\_\_  
License \_\_\_\_\_

3. OTHER \_\_\_\_\_  
\_\_\_\_\_

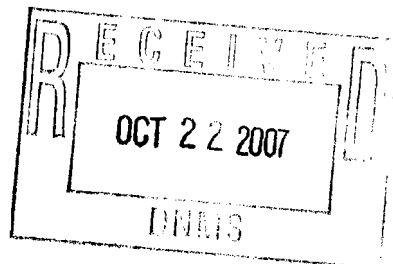
Signed \_\_\_\_\_  
Date \_\_\_\_\_

**UNITED STATES  
DEPARTMENT OF THE INTERIOR**

**Bureau of Indian Affairs  
Shiprock Agency  
Division of Transportation  
P.O. Box 3538  
Shiprock, NM 87420**

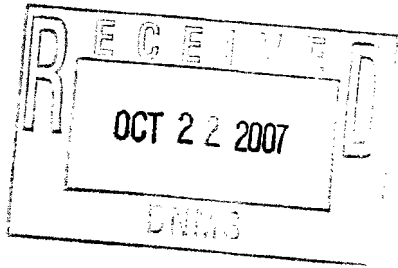
**Official Business  
Penalty For Private Use \$300**

**AN EQUAL OPPORTUNITY EMPLOYER**



**Robert J. Torres, Sr. Health Physicist  
Nuclear Material Licensing Branch  
Regional IV  
611 Ryan Plaza Drive, Suite 400  
Arlington, Texas 76011-4005**

**AN EQUAL OPPORTUNITY EMPLOYER**



**Robert J. Torres, Sr. Health Physicist  
Nuclear Material Licensing Branch  
Regional IV  
611 Ryan Plaza Drive, Suite 400  
Arlington, Texas 76011-4005**

*[Faint, illegible text]*