

December 7, 2010



Mr. Michael G. Herr, CHP  
U.S. Nuclear Regulatory Commission  
Region III - Division of Nuclear Materials Safety  
2443 Warrenville Road  
Suite 210  
Lisle, IL 60532-4352

Ref: Kansas Radioactive Materials License #22-B825

Dear Mr. Herr

HNTB Corporation has transferred ownership and control of our Troxler Model 3440 gauge, serial number 60261 and our Troxler Model 3450 gauge, serial number 673, to the Kansas Department of Transportation. The transfer was made on June 7, 2010 at the KDOT District 4 Construction Office in Garnett, Kansas. In addition to the gauges, copies of the original certificates, and copies of all of the leak tests, maintenance records, and calibrations were given to KDOT. KDOT possesses Kansas Radioactive Materials License number 22-B315-01 and the gauges were transferred to trained KDOT personnel who were equipped with radiation dosimetry badges.

These gauges were last used on the KDOT US 69 construction project at Pleasanton, Kansas and they were removed from the temporary jobsite storage and placed in permanent storage at 715 Kirk Drive in Kansas City, Missouri on September 25, 2009. Leak tests and gauge inspections were done at that location at the beginning of 2010. Radiation warning placards and notice to employees remain posted at both our Kansas City and our Kansas storage sites and records are kept at our Kansas Office.

We no longer possess any gauges or radioactive material and therefore HNTB Corporation will not be renewing our Kansas Radioactive Materials License number 22-B825. Attached are copies of the signed gauge transfer letters.

If you have any questions, please contact me.

Best regards,

A handwritten signature in black ink that reads "David T. Johnson". The signature is fluid and cursive, with a long horizontal stroke at the end.

David T. Johnson  
Radiation Safety Officer  
HNTB Corporation

|   |   |  |
|---|---|--|
| <b>NRC FORM 314</b><br><small>(4-2008)<br/>         10 CFR 30.36(j)(1); 40.42(j)(1);<br/>         70.38(j)(1); and 72.54(k)(5)(1)(X1)</small> | <b>U.S. NUCLEAR REGULATORY COMMISSION</b> | <b>APPROVED BY OMB: NO. 3150-0028</b><br><b>EXPIRES: 08/31/2010</b>  |
| <b>CERTIFICATE OF DISPOSITION OF MATERIALS</b>  |   | 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 <a href="mailto:infocollects@nrc.gov">infocollects@nrc.gov</a> , 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. |

|  |   |                       |                      |             |        |                                |  |         |  |
|--|---|-----------------------|----------------------|-------------|--------|--------------------------------|--|---------|--|
| <b>LICENSEE NAME AND ADDRESS</b><br>HNTB Corporation<br>7450 West 130th Street, Suite 400<br>Overland Park, KS 66213 | <table style="width:100%;"> <tr> <td style="width:50%;"><b>LICENSE NUMBER</b></td> <td style="width:50%;"><b>DOCKET NUMBER</b></td> </tr> <tr> <td>15-32381-01</td> <td>310355</td> </tr> <tr> <td><b>LICENSE EXPIRATION DATE</b></td> <td></td> </tr> <tr> <td>3/31/12</td> <td></td> </tr> </table> | <b>LICENSE NUMBER</b> | <b>DOCKET NUMBER</b> | 15-32381-01 | 310355 | <b>LICENSE EXPIRATION DATE</b> |  | 3/31/12 |  |
| <b>LICENSE NUMBER</b>  | <b>DOCKET NUMBER</b>  |                       |                      |             |        |                                |  |         |  |
| 15-32381-01  | 310355  |                       |                      |             |        |                                |  |         |  |
| <b>LICENSE EXPIRATION DATE</b>   |   |                       |                      |             |        |                                |  |         |  |
| 3/31/12  |   |                       |                      |             |        |                                |  |         |  |

**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:  
     *Kansas Department of Transportation*  
     *KDHE License # 22-B315-01*

b. Disposal of radioactive materials:

- Directly by the licensee:
- By licensed disposal site:
- 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:

- the absence of licensed radioactive materials
- 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:

- is attached, or
- is not attached (Provide explanation); or
- 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:

|   |   |   |   |
|---|---|---|---|
| <small>NAME</small><br><i>David Johnson</i> | <small>TITLE</small><br><i>Radiation Safety Officer</i> | <small>TELEPHONE (Include Area Code)</small><br><i>913.362.1512</i> | <small>E-MAIL ADDRESS</small><br><i>djohnson@hntb.com</i> |
|---|---|---|---|

Mail all future correspondence regarding this license to

**C. CERTIFYING OFFICIAL**

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

|  |  |  |
|--|--|--|
| <small>PRINTED NAME AND TITLE</small><br><i>Michael R. Hess V.P.</i> | <small>SIGNATURE</small><br><i>[Signature]</i> | <small>DATE</small><br><i>10/29/10</i> |
|--|--|--|

**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.**

U. S. NUCLEAR REGULATORY COMMISSION  
 FY 2010 Annual Materials Fee Invoice  
 Period 10/1/2009 - 9/30/2010  
 10 CFR 171.16

|                       |                                    |                         |
|-----------------------|------------------------------------|-------------------------|
| Invoice Date<br>===== | License Anniversary Month<br>===== | Invoice Number<br>===== |
| 05/03/2010            | May                                | AM1898-10               |

HNTB CORPORATION  
 ATTENTION: RADIATION SAFETY OFFICER  
 7450 WEST 130TH STREET/STE.400  
 OVERLAND PARK KS 66213

\*\*\*\*\* Mark THIS COPY with any billing address changes \*\*\*\*\*

| License/Approval/<br>Registration/<br>Certificate Number<br>===== | Code<br>AA905<br>===== | Annual Fee<br>Category(s)<br>===== | Fee Amount<br>===== |
|---|------------------------|------------------------------------|---------------------|
| 15-32381-01   | ANN                    | 3P                                 | \$ 3,700.00         |
|   |                        | TOTAL:                             | \$ 3,700.00         |
|   |                        | TOTAL INVOICE:                     | \$ 3,700.00         |

If paid by Fedwire see attached Terms and Conditions. If paid by check, make check payable to the NRC (reference Invoice no.) and mail to:

|                                    |                              |
|------------------------------------|------------------------------|
| U.S. Nuclear Regulatory Commission | <=== This PO Box address is  |
| Accounts Receivable Team           | <=== for receipt of payments |
| P.O. Box 979051                    | <=== only.                   |
| St. Louis, MO 63197-9000           |                              |

For terms and conditions see attached.  
 Payment must be received within 30 days of the date of this invoice to avoid late charges.  
 Questions: call 301/415-7554

\*\*\*\*\*  
 \*  
 \* P A Y M E N T C O P Y \*  
 \*  
 \*\*\*\*\*

==> To ensure accurate credit, return this copy of the <===  
 ==> invoice with your payment. Processing may be <===  
 ==> delayed if the invoice is not included. <===



**Troxler Electronic Laboratories, Inc.**

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

RECEIVED  
JAN 25 2010  
HNTB-O.P., KS

DAVID JOHNSON  
HNTB CORPORATION  
7450 WEST 130TH STREET  
SUITE 400  
OVERLAND PARK, KS 66213

Cust ID: 4271

**LEAK TEST CERTIFICATE**

**DEVICE:**

**Model:** 3440      **Serial No:** 60261

**SEALED SOURCES:**

| Serial No. | Measure Date | Nuclide   | GBq   | mCi |
|------------|--------------|-----------|-------|-----|
| 78-4569    | 09/17/2007   | AM-241:BE | 1.48  | 40  |
| 77-7410    | 09/24/2007   | CS-137    | 0.296 | 8   |

**LEAK TEST ANALYSIS:**

**Sample collected on:** 01/07/2010  
**Sample analyzed on:** 01/19/2010 at 11:32:00 AM  
**Analyzed by:** S.Browne

|                               | ALPHA    | BETA-GAMMA |
|-------------------------------|----------|------------|
| Conversion factor (cpm/Bq)    | 1.13E+01 | 1.93E+01   |
| Background measurement (cpm)  | 1        | 24         |
| Sample measurement (cpm)      | 0        | 24         |
| Activity (Bq)                 | < MDA    | < MDA      |
| Min. Detectable Activity (Bq) | 6.1E-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)**



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Tel: (877) 876-9537 Fax: (866) 391-2759  
License: NC 032-0182-1

DAVID JOHNSON  
HNTB CORPORATION  
7450 WEST 130TH STREET  
SUITE 400  
OVERLAND PARK, KS 66213

Cust ID: 4271

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**LEAK TEST CERTIFICATE**

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**DEVICE:**

**Model:** 3450      **Serial No:** 673

**SEALED SOURCES:**

| Serial No. | Measure Date | Nuclide   | GBq   | mCi |
|------------|--------------|-----------|-------|-----|
| 750-6747   | 02/18/2000   | CS-137    | 0.296 | 8   |
| 47-29309   | 08/02/1999   | AM-241:BE | 1.48  | 40  |

**LEAK TEST ANALYSIS:**

**Sample collected on:** 01/07/2010  
**Sample analyzed on:** 01/19/2010 at 11:34:00 AM  
**Analyzed by:** S.Browne

|                               | ALPHA    | BETA-GAMMA |
|-------------------------------|----------|------------|
| Conversion factor (cpm/Bq)    | 1.13E+01 | 1.93E+01   |
| Background measurement (cpm)  | 1        | 24         |
| Sample measurement (cpm)      | 0        | 22         |
| Activity (Bq)                 | < MDA    | < MDA      |
| Min. Detectable Activity (Bq) | 6.1E-01  | 1.3E+00    |

|   |   |
|---|---|
| <b>This certifies that the leak test results are:</b>                   |   |
| <input checked="" type="checkbox"/> <b>Less than 185 Bq (0.005 uCi)</b> | <input type="checkbox"/> <b>Greater than 185 Bq (0.005 uCi)</b> |



June 7, 2010

Re: Transfer of radioactive material

To File:

This letter acknowledges that on the morning of June 7, 2010, HNTB Corporation did legally transfer the ownership and control of Troxler Electronic Laboratories Model 3440 nuclear gauge, with the serial number of #60261, to the Kansas Department of Transportation, at their Garnett, Kansas office. This gauge contains a sealed source of Cesium-137 with a maximum amount of 9 mCi and a sealed source of Americium-241 with a maximum amount of 44 mCi. The Kansas Department of Transportation is licensed by the Kansas Department of Health and Environment to possess and to use nuclear gauges.

Delivered By:

HNTB CORPORATION

David T. Johnson      6-7-10      22-BB75  
David T. Johnson, P.E.      Date      KDHE License #  
Radiation Protection Officer

Accepted By:

Kansas Department of Transportation

J. Michael Hatcher      6-7-10      22-B 315 01  
Date      KDHE License #



June 7, 2010

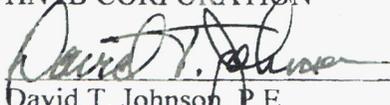
Re: Transfer of radioactive material

To File:

This letter acknowledges that on the morning of June 7, 2010, HNTB Corporation did legally transfer the ownership and control of Troxler Electronic Laboratories Model 3450 nuclear gauge, with the serial number of #673, to the Kansas Department of Transportation, at their Garnett, Kansas office. This gauge contains a sealed source of Cesium-137 with a maximum amount of 9 mCi and a sealed source of Americium-241 with a maximum amount of 44 mCi. The Kansas Department of Transportation is licensed by the Kansas Department of Health and Environment to possess and to use nuclear gauges.

Delivered By:

HNTB CORPORATION

  
David T. Johnson, P.E.  
Radiation Protection Officer

6-7-10  
Date

22-B825  
KDHE License #

Accepted By:

Kansas Department of Transportation



6-7-10  
Date

22-B315-01  
KDHE License #