



MAYOR  
Jack A. Poll

AT-LARGE COUNCILMEMBER  
Sam Bolt

AT-LARGE COUNCILMEMBER  
Dan Burrill

AT-LARGE COUNCILMEMBER  
Kent Vanderwood

1ST WARD COUNCILMEMBER  
William A. VerHulst

2ND WARD COUNCILMEMBER  
Richard K. Pastoor

3RD WARD COUNCILMEMBER  
Joanne M. Voorhees

CITY MANAGER  
Curtis L. Holt

August 25, 2011

Materials Licensing Branch  
U.S. Nuclear Regulatory Commission, Region III  
801 Warrenville Road, Ste. 210  
Lisle, IL 60532-4351

Re: License Renewal

To Whom It May Concern:

We request the renewal of our License No. 21-20166-01. We have reviewed the license and made the necessary revisions.

Enclosed are two copies of the existing license documents.

Sincerely,

A handwritten signature in cursive script, appearing to read "R. Henckel".

Russ Henckel, P.E.  
Assistant Director of Public Works – Engineering

RJH:nll

Enclosures

RECEIVED AUG 30 2011

**NRC FORM 313**  
(3-2009)  
10 CFR 30, 32, 33,  
34, 35, 36, 39, and 40

**U.S. NUCLEAR REGULATORY COMMISSION**

APPROVED BY OMB: NO. 3160-0120

EXPIRES: 3/31/2012

**APPLICATION FOR MATERIALS LICENSE**

Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by Internet e-mail to [infocollects.resource@nrc.gov](mailto:infocollects.resource@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3160-0120), 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.

**INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.**

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

OFFICE OF FEDERAL & STATE MATERIALS AND ENVIRONMENTAL MANAGEMENT PROGRAMS  
DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM  
DIVISION OF NUCLEAR MATERIALS SAFETY  
U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
476 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19408-1415

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
612 E. LAMAR BOULEVARD, SUITE 400  
ARLINGTON, TX 76011-4125

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

|  |   |
|--|---|
| <p>1. THIS IS AN APPLICATION FOR (Check appropriate item)</p> <p><input type="checkbox"/> A. NEW LICENSE</p> <p><input type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER _____</p> <p><input checked="" type="checkbox"/> C. RENEWAL OF LICENSE NUMBER <u>21-20166-01</u></p> | <p>2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)</p> <p>City of Wyoming<br/>1155 28th Street, SW<br/>P.O. Box 905<br/>Wyoming, MI 49509</p> |
| <p>3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED</p> <p>2660 Burlingame Avenue, SW<br/>Wyoming, MI 49509</p>  | <p>4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION</p> <p>Russell Henckel, P.E. (RSO)</p> <p>TELEPHONE NUMBER</p> <p>(616) 530-7254</p>          |


SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

|  |  |
|--|--|
| <p>5. RADIOACTIVE MATERIAL</p> <p>a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.</p> | <p>6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.</p>   |
| <p>7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.</p>  | <p>8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.</p>   |
| <p>9. FACILITIES AND EQUIPMENT.</p>  | <p>10. RADIATION SAFETY PROGRAM.</p>   |
| <p>11. WASTE MANAGEMENT.</p>   | <p>12. LICENSE FEES (See 10 CFR 170 and Section 170.31)</p> <p>FEE CATEGORY <u>Annual</u> AMOUNT ENCLOSED \$ <u>0.00</u></p> |

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 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.

|   |   |                               |
|---|---|-------------------------------|
| <p>CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE</p> <p>Russell Henckel, Assistant Director of Public Works/Eng.</p> | <p>SIGNATURE</p>  | <p>DATE</p> <p>08/25/2011</p> |
|---|---|-------------------------------|

**FOR NRC USE ONLY**

| TYPE OF FEE | FEE LOG | FEE CATEGORY | AMOUNT RECEIVED | CHECK NUMBER | COMMENTS |
|-------------|---------|--------------|-----------------|--------------|----------|
|             |         |              | \$              |              |          |
| APPROVED BY |         |              |                 | DATE         |          |

**ITEMS 5 AND 6: MATERIALS TO BE POSSESSED AND PROPOSED USES**

| Yes      | No | Radioisotope  | Manufacturer or Distributor Model No.   | Quantity  | Use As Listed on SSD Certificate   | Specify Other Uses Not Listed on SSD Certificate   |
|----------|----|---------------|---|---|--|--|
| <b>X</b> |    | Cesium-137    | Sealed source manufacturer or distributor and model number:<br><u>Troxler 3440</u><br>Device manufacturer or distributor and model number:<br>_____ | Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate | Yes <input type="checkbox"/><br>Specific description of the gauge use:<br><u>measure physical properties of materials i.e. density</u> | <input checked="" type="checkbox"/> Not applicable<br>_____<br><input type="checkbox"/> Uses are:<br>_____<br>(Submit safety analysis supporting safe use) |
| <b>X</b> |    | Americium-241 | Sealed source manufacturer or distributor and model number:<br><u>Troxler 3440</u><br>Device manufacturer or distributor and model number:<br>_____ | Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate | Yes <input type="checkbox"/><br>Specific description of the gauge use:<br><u>measure physical properties of materials i.e. density</u> | <input checked="" type="checkbox"/> Not applicable<br>_____<br><input type="checkbox"/> Uses are:<br>_____<br>(Submit safety analysis supporting safe use) |

APPENDIX B

| Yes  | No | Radioisotope             | Manufacturer or Distributor Model No.  | Quantity  | Use As Listed on SSD Certificate  | Specify Other Uses Not Listed on SSD Certificate  |
|--|----|--------------------------|--|---|---|---|
|  | X  | Californium-252          | Sealed source manufacturer or distributor and model number:<br><hr/> Device manufacturer or distributor and model number:<br><hr/> | Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate | Yes <input type="checkbox"/><br>Specific description of the gauge use:<br><hr/><br><hr/><br><hr/><br><hr/><br><hr/> | <input type="checkbox"/> Not applicable<br><hr/> <input type="checkbox"/> Uses are:<br><hr/> (Submit safety analysis supporting safe use) |
|  | X  | Other Isotope (Specify): | Sealed source manufacturer or distributor and model number:<br><hr/> Device manufacturer or distributor and model number:<br><hr/> | Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate | Yes <input type="checkbox"/><br>Specific description of the gauge use:<br><hr/>                                     | <input type="checkbox"/> Not applicable<br><hr/> <input type="checkbox"/> Uses are:<br><hr/> (Submit safety analysis supporting safe use) |
| <i>Financial Assurance Required and Evidence of Financial Assurance Provided</i> |    |                          |  |   |   |   |

## ITEMS 7 THROUGH 11: TRAINING AND EXPERIENCE, FACILITIES AND EQUIPMENT, RADIATION SAFETY PROGRAM, AND WASTE DISPOSAL

| Item No. And Title   | Suggested Response   | Yes  | Alternative Procedures Attached |
|--|--|--|---------------------------------|
| <b>7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE – RADIATION SAFETY OFFICER</b><br><br>Name: <u>Russ Henckel</u> | Before obtaining licensed materials, the proposed RSO will have successfully completed one of the training courses described in Criteria in the section entitled "Individual(s) Responsible for Radiation Safety Program and Their Training and Experience – Radiation Safety Officer" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001. | <input checked="" type="checkbox"/>                                | <input type="checkbox"/>        |
| <b>8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS</b>  | Before using licensed materials, authorized users will have successfully completed one of the training course described in Criteria in the section entitled "Training for Individuals Working In or Frequenting Restricted Areas" in NUREG-1556, Vol. 1, Rev 1, dated November 2001.   | <input checked="" type="checkbox"/>                                | <input type="checkbox"/>        |
| <b>9. FACILITIES AND EQUIPMENT</b>   | No information needs to be submitted in response to this item; key issues are addressed under "Radiation Safety Program – Public Dose" and "Radiation Safety Program – Operating and Emergency Procedures."  | Separate Item 9 Response<br>Need Not Be Submitted With Application |                                 |
| <b>10. RADIATION SAFETY PROGRAM – AUDIT PROGRAM</b>  | The applicant is <i>not</i> required to, and should not, submit its audit program to NRC for review during the licensing phase.  | Need Not Be Submitted With Application                             |                                 |
| <b>10. RADIATION SAFETY PROGRAM – TERMINATION OF ACTIVITIES</b>  | The applicant is <i>not</i> required to submit a response to the termination of activities section during the initial application. However, when the license expires when the licensee ceases operation, NRC Form 314 must be submitted.   | Need Not Be Submitted With Application                             |                                 |
| <b>10. RADIATION SAFETY PROGRAM – SURVEY INSTRUMENTS</b>   | We will either possess and use, or have access to and use, a radiation survey meter that meets the Criteria in the section entitled "Radiation Safety Program – Instruments" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001.   | <input checked="" type="checkbox"/>                                | <input type="checkbox"/>        |

APPENDIX B

| Item No. And Title   | Suggested Response   | Yes   | Alternative Procedures Attached   |
|--|--|---|---|
| 10. RADIATION SAFETY PROGRAM – MATERIAL RECEIPT AND ACCOUNTABILITY | Physical inventories will be conducted at intervals not to exceed 6 months, to account for all sealed sources and devices received and possessed under the license.  | <input checked="" type="checkbox"/>   | <input type="checkbox"/>  |
| 10. RADIATION SAFETY PROGRAM – OCCUPATIONAL DOSIMETRY              | Either we will maintain, for inspection by NRC, documentation demonstrating that unmonitored individuals are not likely to receive a radiation dose in excess of 10 percent of the allowable limits in 10 CFR Part 20, or we will provide dosimetry processed and evaluated by an NVLAP-approved processor that is exchanged at a frequency recommended by the processor.  | <input checked="" type="checkbox"/>   | <input type="checkbox"/>  |
| 10. RADIATION SAFETY PROGRAM – PUBLIC DOSE                         | The applicant is <i>not</i> required to submit a response to the public dose section during the licensing phase. This matter will be examined during an inspection.  | Need Not Be Submitted With Application  |   |
| 10. RADIATION SAFETY PROGRAM – OPERATING AND EMERGENCY PROCEDURES  | <p>We will implement and maintain the operating and emergency procedures in Appendix H of NUREG-1556, Vol. 1, Rev. 1, dated November 2001, and provide copies of these procedures to all gauge users and at each job site.</p> <p style="text-align: center;">OR</p> <p>Operating and emergency procedures will be developed, implemented, and maintained and will meet the criteria in the section entitled "Radiation Safety Program – Operating and Emergency Procedures" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001.</p> | <input checked="" type="checkbox"/><br><br><br><br><br><br><br><br><br><br><input type="checkbox"/> | <input type="checkbox"/>  |
| 10. RADIATION SAFETY PROGRAM – LEAK TEST                           | Leak tests will be performed at intervals approved by NRC or an Agreement State and specified in the Sealed Source and Device Registration Sheet. Leak tests will be performed by an organization authorized by NRC or an Agreement State to provide leak testing services for other licensees or using a leak test kit supplied by an organization authorized by NRC or an Agreement State to provide leak test kits to other licensees and according to the kit supplier's instructions.   | <input checked="" type="checkbox"/>   | <input type="checkbox"/><br><br><br><br><br><br><br><br><br><br>The information in Appendix J supporting a request to perform leak testing and sample analysis is attached. |

| Item No. And Title  | Suggested Response  | Yes  | Alternative Procedures Attached  |
|---|---|--|--|
| <b>10. RADIATION SAFETY PROGRAM – MAINTENANCE</b>         | <p><i>Routine Cleaning and Lubrication</i></p> <p>We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions.</p> <p><i>Non-Routine Maintenance</i></p> <p>We will send the gauge to the manufacturer or other person authorized by NRC or an Agreement State to perform non-routine maintenance or repair operations that require the removal of the source or source rod from the gauge.</p> | <p><input checked="" type="checkbox"/></p><br><p><input checked="" type="checkbox"/></p> | <p><input type="checkbox"/></p><br><p><input type="checkbox"/></p> <p>The information listed in Appendix G supporting a request to perform non-routine maintenance in-house is attached.</p> |
| <b>10. RADIATION SAFETY PROGRAM – TRANSPORTATION</b>      | <p>The applicant is <i>not</i> required to submit its response to transportation during the licensing process. However, this issue will be reviewed during inspection.</p>  | <p>Need Not Be Submitted With Application</p>  |  |
| <b>11. WASTE MANAGEMENT – GAUGE DISPOSAL AND TRANSFER</b> | <p>The applicant is <i>not</i> required to submit a response to waste management during the licensing process. However, the licensee should develop, implement, and maintain gauge transfer and disposal procedures in its radiation protection program.</p>  | <p>Need Not Be Submitted With Application</p>  |  |

U.S. NUCLEAR REGULATORY COMMISSION

**Amendment No. 11**

**MATERIALS LICENSE**

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

|  |   |
|--|---|
| <p style="text-align: center;">Licensee</p> <p>1. City of Wyoming</p> <p>2. 1155 28th Street, S.W.<br/>P.O. Box 905<br/>Wyoming, MI 49509-0905</p> | <p>In accordance with the <b>letter dated March 1, 2010, and the facsimile dated June 1, 2010,</b></p> <p>3. License number 21-20166-01 is amended in its entirety to read as follows:</p> <p>4. Expiration date August 31, 2011</p> <p>5. Docket No. 030-18043<br/>Reference No.</p> |
|--|---|

|   |   |  |
|---|---|--|
| <p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Cesium-137</p> <p>B. Americium-241</p> | <p>7. Chemical and/or physical form</p> <p>A. Sealed sources registered either with NRC under 10 CFR 32.210 or with an Agreement State and incorporated in a compatible gauging device as specified in Item 9 of this license.</p> <p>B. Sealed sources registered either with NRC under 10 CFR 32.210 or with an Agreement State and incorporated in a compatible gauging device as specified in Item 9 of this license.</p> | <p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. No single source to exceed the maximum activity specified in the certificate of registration issued by NRC or an Agreement State. <b>Total activity not to exceed 24 millicuries.</b></p> <p>B. No single source to exceed the maximum activity specified in the certificate of registration issued by NRC or an Agreement State. <b>Total activity not to exceed 120 millicuries.</b></p> |
|---|---|--|

|   |  |
|---|--|
| <p>9. Authorized use</p> <p>A. and B.</p> | <p>To be used in Troxler Model 3400 Series surface moisture/density gauges for measuring physical properties of materials.</p> |
|---|--|

CONDITIONS

- 10. Licensed material may be used or stored at the licensee's facilities located at 2660 Burlingame Avenue, S.W., Wyoming, MI and may be used at temporary job sites of the licensee anywhere in the United States where the U. S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material.
- 11. The Radiation Safety Officer (RSO) for this license is Russell J. Henckel.



**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number

21-20166-01

Docket or Reference Number

030-18043

**Amendment No. 11**

12. Licensed material shall only be used by, or under the supervision and in the physical presence of, individuals who have received the training described in application dated July 9, 2001.
13. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by NRC under 10 CFR 32.210 or by an Agreement State.
- B. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by NRC under 10 CFR 32.210 or by an Agreement State prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.
- C. Sealed sources need not be tested if they are in storage and are not being used. However, when they are removed from storage for use or transferred to another person, and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.
- D. **The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.**
- E. Tests for leakage and/or contamination shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services. In addition, the licensee is authorized to collect leak test samples but not perform the analysis: analysis of leak samples must be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.
- F. **Records of leak tests results shall be kept in units of microcuries and shall be maintained for 3 years.**
14. Sealed sources or source rods containing licensed material shall not be opened or sources removed or detached from source rods or gauges by the licensee, except as specifically authorized.
15. Except for maintaining labeling as required by 10 CFR Part 20 or 71, the licensee shall obtain authorization from NRC before making any changes in the sealed source, device, or source-device combination that would alter the description or specifications as indicated in the respective Certificates of Registration issued either by the Commission pursuant to 10 CFR 32.210 or by an Agreement State.
16. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by NRC, to account for all sources and/or devices received and possessed under the license.
17. The licensee is authorized to transport licensed material only in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
21-20166-01Docket or Reference Number  
030-18043

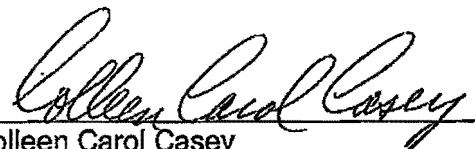
Amendment No. 11

18. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance.
19. Each portable nuclear gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport. A minimum of two independent physical controls that form tangible barriers to secure portable gauges from unauthorized removal whenever the portable gauge is not under the control and constant surveillance of the licensee are required.
20. Any cleaning, maintenance, or repair of the gauges that requires detaching the source or source rod from the gauge shall be performed only by the manufacturer or other persons specifically licensed by the Commission or an Agreement State to perform such services.
21. A. If the licensee uses unshielded sealed sources extended more than 3 feet below the surface, the licensee shall use surface casing that extends from the lowest depth to 12 inches above the surface and other appropriate procedures to reduce the probability of the source or probe becoming lodged below the surface. If it is not feasible to extend the casing 12 inches above the surface, the licensee shall implement procedures to ensure that the cased hole is free of obstruction before making measurements.
- B. If a sealed source or a probe containing sealed sources becomes lodged below the surface and it becomes apparent that efforts to recover the sealed source or probe may not be successful, the licensee shall notify the U. S. Nuclear Regulatory Commission and submit the report required by 10 CFR 30.50(b)(2) and (c). The licensee shall not abandon the sealed source or probe without obtaining the Commission's prior written consent.
22. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Application dated July 9, 2001 (with attachments).

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date JUN 06 2010

By

  
Colleen Carol Casey  
Materials Licensing Branch  
Region III

# Certificate of Completion

This certifies that

*Russ Henchel*

has successfully completed the  
Radiation Safety Officer Training Class  
conducted by the training department of

*Troxler Electronic Laboratories, Inc.*

*P. Patrick Schroeder*

Patrick Schroeder  
Instructor

January 28, 2010

Date

*William F. Troxler, Jr.*  
President



Troxler Electronic Laboratories, Inc.  
PO Box 12057 \* 3008 Cornwallis Rd. \* Research Triangle Park, NC 27709  
Phone: (919) 548-8681 \* Fax: (919) 548-0761 \* Web site: www.troxlerlabs.com.

21968215

# HAZMAT Certification

as required by U.S. DOT and IATA

This certifies that  
Russ Henckel

has been trained and tested in accordance with the U.S. Department of Transportation and International Air Transport Association (IATA) hazardous material requirements for general awareness/familiarization, function-specific, safety, and security awareness training as related to the transportation of nuclear gauges. A description of the training course materials is available from Troxler Electronic Laboratories, Inc.

Training Date  
January 28, 2010

Expiration Date  
3 Years from Date of Class

Instructor  
Patrick Schroeder



Troxler Electronic Laboratories, Inc.  
PO Box 12057 • 3008 Cornwallis Road • Research Triangle Park, NC 27709  
Phone: (919) 549-8861 • Fax: (919) 549-0761 • www.troxterlabs.com

## Hazmat Employer Certification

Company:

Company Official: \_\_\_\_\_ Date: \_\_\_\_\_

Enrollment ID: 21968215

# Certificate of Completion

This certifies that

*Russ Henckel*

has successfully completed the  
Nuclear Gauge Safety Training Class  
conducted by the training department of

*Troxler Electronic Laboratories, Inc.*

*P. Patrick Schroeder*

Patrick Schroeder  
Instructor

January 27, 2010  
Date

*William F. Troxler, Jr.*  
President

Pass-Certified to operate Nuclear  
Gauges  
21965217



Troxler Electronic Laboratories, Inc.  
PO Box 12057 • 3008 Cornwallis Rd. • Research Triangle Park, NC 27709  
Phone: (919) 548-8681 • Fax: (919) 549-0761 • Web site: [www.troxlerlabs.com](http://www.troxlerlabs.com)

# HAZMAT Certification

as required by U.S. DOT and IATA

*This certifies that*

Russ Henckel

*has been trained and tested in accordance with the U.S. Department of Transportation and International Air Transport Association (IATA) hazardous material requirements for general awareness/familiarization, function-specific, safety, and security awareness training as related to the transportation of nuclear gauges. A description of the training course materials is available from Troxler Electronic Laboratories, Inc.*

*Training Date*  
January 27, 2010

*Expiration Date*  
3 years from date of class

*Instructor*  
Patrick Schroeder



Troxler Electronic Laboratories, Inc.  
PO Box 12057 • 3008 Cornwallis Road • Research Triangle Park, NC 27709  
Phone: (919) 549-8661 • Fax: (919) 549-0761 • [www.troxlerlabs.com](http://www.troxlerlabs.com)

## *Hazmat Employer Certification*

*Company:*

*Company Official:* \_\_\_\_\_ *Date:* \_\_\_\_\_

*Enrollment ID:* 21965217

# Certificate of Completion

This certifies that

*Mike Wilson*

has successfully completed the  
Nuclear Gauge Safety Training Class  
conducted by the training department of

*Troxler Electronic Laboratories, Inc.*

*P. Patrick Schroeder*

Patrick Schroeder  
Instructor

March 31, 2011

Date

*William F. Troxler, Jr.*  
President

Pass-Certified to operate Nuclear  
Gauges  
31479569



Troxler Electronic Laboratories, Inc.  
PO Box 12057 • 5006 Cornwallis Rd. • Research Triangle Park, NC 27709  
Phone: (919) 549-8661 • Fax: (919) 549-0761 • Web site: [www.troxlerlabs.com](http://www.troxlerlabs.com)

# HAZMAT Certification

as required by U.S. DOT and IATA

*This certifies that*

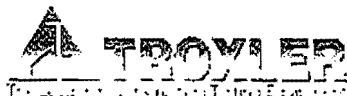
**Mike Wilson**

*has been trained and tested in accordance with the U.S. Department of Transportation and International Air Transport Association (IATA) hazardous material requirements for general awareness/familiarization, function specific, safety, and security awareness training as related to the transportation of nuclear packages. A description of the training course materials is available from Troxler Electronic Laboratories, Inc.*

*Training Date*  
**March 31, 2011**

*Expiration Date*  
**3 years from date of class**

*Instructor*  
**Patrick Schroeder**



**Troxler Electronic Laboratories, Inc.**  
PO Box 12057 • 3008 Cornways Road • Research Triangle Park, NC 27709  
Phone: (919) 548-8661 • Fax: (919) 549-0761 • [www.troxlerlabs.com](http://www.troxlerlabs.com)

## *Hazmat Employer Certification*

*Company:*

*Company Official:* \_\_\_\_\_ *Date:* \_\_\_\_\_

*Enrollment ID:*

**31479569**



# Certificate of Completion

This certifies that

*Ted DeKam*

has successfully completed the  
Nuclear Gauge Safety Training Class  
conducted by the training department of

*Troxler Electronic Laboratories, Inc.*

*P. Patrick Schroeder*

Patrick Schroeder  
Instructor

March 31, 2011  
Date

*William F. Troxler, Jr.*  
President

Pass-Certified to operate Nuclear  
Gauges  
31479674



Troxler Electronic Laboratories, Inc.  
PO Box 12057 \* 3008 Cornwallis Rd. \* Research Triangle Park, NC 27709  
Phone: (919) 549-8661 \* Fax: (919) 549-0761 \* Web site: www.troxlerlabs.com

# HAZMAT Certification

as required by U.S. DOT and IATA

*This certifies that*

Ted DeKam

*has been trained and tested in accordance with the U.S. Department of Transportation and International Air Transport Association (IATA) hazardous material requirements for general awareness/familiarization, function-specific, safety, and security awareness training as related to the transportation of nuclear gauges. A description of the training course materials is available from Troxler Electronic Laboratories, Inc.*

*Training Date*  
March 31, 2011

*Expiration Date*  
3 years from date of class

*Instructor*  
Patrick Schroeder



**Troxler Electronic Laboratories, Inc.**  
PO Box 12057 • 3008 Cornwallis Road • Research Triangle Park, NC 27709  
Phone: (919) 549-8661 • Fax: (919) 549-0761 • [www.troxlerlabs.com](http://www.troxlerlabs.com)

## *Hazmat Employer Certification*

*Company:*

*Company Official:* \_\_\_\_\_ *Date:* \_\_\_\_\_

*Enrollment ID:* 31479674