



Rebecca W. Arnold, President  
John S. Franden, Vice President  
Carol A. McKee, Commissioner  
Sara M. Baker, Commissioner  
David L. Case, Commissioner

RECEIVED

APR 27 2011

April 22, 2011

Nuclear Materials Licensing Branch  
US Nuclear Regulatory Commission, Region IV  
612 E Lamar Blvd, Ste 400  
Arlington, TX 76011-4125

DNMS

**RE: Material License Renewal – License Number 11-27092-01**

Enclosed is the Ada County Highway District's application to renew our material's license. If you have any questions please contact Jessica Drye.

Thank You,

Jessica Drye, RSO  
Ada County Highway District  
3775 Adams Street  
Garden City, ID 83714  
208-387-6310 office  
208-860-6601 cell  
[jdrye@achdidaho.org](mailto:jdrye@achdidaho.org)

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

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, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), 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.

# APPLICATION FOR MATERIALS LICENSE

**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:

IF YOU ARE LOCATED IN:

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

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

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:

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:

LICENSING ASSISTANCE TEAM  
DIVISION OF NUCLEAR MATERIALS SAFETY  
U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

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.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

A. NEW LICENSE

B. AMENDMENT TO LICENSE NUMBER \_\_\_\_\_

C. RENEWAL OF LICENSE NUMBER 11-27092-01

2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)

**Ada County Highway District**  
**ATTN: Jessica Drye**  
**3775 Adams Street**  
**Garden City, ID 83714**

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

**3775 Adams Street**  
**Garden City, ID 83714**

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

**Jessica Drye**

TELEPHONE NUMBER

**(208) 387-6310**

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.

5. RADIOACTIVE MATERIAL  
a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

12. LICENSE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY	AMOUNT ENCLOSED	\$
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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.

CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE	SIGNATURE	DATE
		04/22/2011

### FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		
APPROVED BY				DATE	
					6 5 7 4 9 9 6



Rebecca W. Arnold, President  
 John S. Franden, Vice President  
 Carol A. McKee, Commissioner  
 Sara M. Baker, Commissioner  
 David L. Case, Commissioner

## APPLICATION FOR MATERIALS LICENSE – NRC Form 313

License Number: 11-27092-01

### 5. RADIOACTIVE MATERIAL

A. Element/Mass Number	B. Chemical and/or Physical Form	C. Max amount that will be possessed at one time	Manufacture/Model/ Number of sources
1. Cs-137	Sealed source Troxler Dwg. 102112	No single source to exceed 8 mCi	Troxler / 3440 / 13
2. Am-241:Be	Sealed source Troxler Dwg. 102451	No single source to exceed 40 mCi	Troxler / 3440 / 13
3. Cs-137	Sealed source Troxler Dwg. 102112	No single source to exceed 10 mCi	Campbell Pacific Nuclear / MC-3 / 1
4. Am-241:Be	Sealed source Troxler Dwg. 102451	No single source to exceed 50 mCi	Campbell Pacific Nuclear / MC-3 / 1
5. Cs-137	Sealed source Troxler Dwg. 102112	No single source to exceed 8 mCi	Troxler / 4640B / 1

### 6. PURPOSE(S) FOR WHICH LICENSE MATERIAL WILL BE USED *(please reference table above)*

1. To be used in Troxler model 3400 series gauges for measurement of physical properties of materials.
2. To be used in Troxler model 3400 series gauges for measurement of physical properties of materials.
3. To be used in Campbell Pacific Nuclear model MC series gauges for measurement of physical properties of materials.
4. To be used in Campbell Pacific Nuclear model MC series gauges for measurement of physical properties of materials.
5. To be used in Troxler model 4640 series gauges for measurement of physical properties of materials.

### 7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR EXPERIENCE

1. Individual: Jessica Susan Drye, Radiation Safety Officer
2. Training:
 

March 28, 2008	Radiation Safety Officer Training Class and HAZMAT Certification conducted by Troxler Electronic Laboratories, Inc.
May 28, 2009	DOT HAZMAT General Awareness, Safety Direct
April 22, 2011	HAZMAT refresher, Troxler Electronic Laboratories, Inc.

## **8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS**

Only those employees of the Ada County Highway District (ACHD) who have met the following training and operational requirements may use the District's nuclear density gauges.

1. Successful completion of a gauge manufacturer's Radiation Safety Training course or similar course meeting the criteria in NUREG-1556, Vol. 1, Rev. 1, 2001.
2. The individual will read ACHD's NRC material license and the operating & emergency procedures along with the gauge manufacturer's manual.
3. On the job training in operation of the nuclear density gauge will be conducted by the RSO and/or an experienced operator.
4. Yearly refresher training will be conducted by the RSO, a gauge manufacturer representative, or other alternate course meeting the criteria in NUREG-1556, Vol. 1, Rev. 1, 2001.

## **9. FACILITIES AND EQUIPMENT**

See ACHD's radiation safety program for further information.

1. Storage area and building security and key control.
2. "Caution-Radioactive Material" sign posted on storage area entry.
3. Minimum distance of 15' from nearest work station.
4. Maximum of 15 gauges stored at any one time.

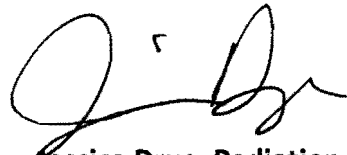
## **10. RADIATION SAFETY PROGRAM**

1. **AUDIT PROGRAM:** Conducted yearly by an authorized user.
2. **TERMINATION OF ACTIVITIES:** Currently operating.
3. **SURVEY INSTRUMENTS:** We will maintain a survey meter that meets the criteria in NUREG-1556, Vol. 1, Rev. 1, 2001 for use in the event of an incident involving the gauge. The survey meter will be calibrated annually and checked for functionality before use.
4. **MATERIAL RECEIPT AND ACCOUNTABILITY:** Records of receipt, transfer and disposal of gauges will be maintained for at least 3 years. Physical inventory of sealed sources will be conducted at intervals not to exceed 6 months.
5. **OCCUPATIONAL DOSIMETRY:** All ACHD employees authorized to use and transport gauges shall wear a personal dosimetry badge provided by an NVLAP accredited processor. Badges shall be exchanged every 3 months for monitoring status. Records of current radiation exposure reports on all authorized employees are reviewed and maintained by the RSO.
6. **PUBLIC DOSE:** A public dose survey reading report along with dosimetry badge monitoring outside the storage area will be completed and kept on file.
7. **OPERATING AND EMERGENCY PROCEDURES:** 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, 'Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Portable Gauge Licenses,' dated November 2001.
8. **LEAK TEST:** Leak tests will be performed at intervals not to exceed one (1) year. Leak test samples shall be taken by the RSO or authorized gauge user using a leak test kit provided by an NRC approved agency. Leak test kits shall then be returned to the provider for evaluation and reporting. All results shall be kept on file.

9. MAINTENANCE: ACHD will implement and maintain procedures for routine maintenance of our gauges accordingly to each manufacturer's recommendations and instructions. ACHD will send the gauge to the manufacture for all non-routine maintenance that requires detaching the source or source rod from the gauge.
10. TRANSPORTATION: All transporting of gauges in ACHD vehicles shall be properly labeled, blocked, braced, secured, be away from the driver and be in compliance will the US Department of Transportation (DOT).

**11. WASTE MANAGEMENT – GAUGE DISPOSAL AND TRANSFER**

Licensed materials shall be disposed of in accordance with NRC requirements by transfer to an authorized recipient. Appropriate records shall be maintained.



**Jessica Drye, Radiation Safety Officer**

Ada County Highway District

3775 Adams Street

Garden City, ID 83714

208-387-6310 office

208-860-6604 cell

[jdrye@achdidaho.org](mailto:jdrye@achdidaho.org)

# Certificate of Completion

This certifies that

*Jessica Forney*

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

*Troxler Electronic Laboratories, Inc.*



Bob Wilson

Instructor

March 28, 2008

Date

*William F. Troxler, Jr.*  
President



The Troxler® is a registered trademark of Troxler Electronic Laboratories, Inc.

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

11150861



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
612 EAST LAMAR BOULEVARD, SUITE 400  
ARLINGTON, TEXAS 76011-4125

December 8, 2009

Ada County Highway District  
ATTN: Jessica Drye  
Radiation Safety Officer  
3775 Adams Street  
Garden City, Idaho 83714

SUBJECT: LICENSE AMENDMENT

Please find enclosed Amendment No. 05 to NRC License No. 11-27092-01 **changing the name of the Radiation Safety Officer from Jessica Forrey to Jessica Drye, as requested in your letter dated October 13, 2009.** An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14)(viii). You should review this license carefully and be sure that you understand all conditions. Please contact me at 817-276-6590 if you have any questions.

**NRC's Regulatory Issue Summary (RIS) 2005-31, provides criteria to identify security-related sensitive information and guidance for handling and marking of such documents. This ensures that potentially sensitive information is not made publicly available through ADAMS, NRC's electronic document repository. The RIS may be located on the NRC Web site at: <http://www.nrc.gov/reading-rm/doc-collections/gen-comm/reg-issues/2005/>. Pursuant to NRC's RIS 2005-31, the enclosed license will not be made publicly available.**

NRC expects licensees to conduct their programs with meticulous attention to detail and a high standard of compliance. Because of the serious consequences to employees and the public that can result from failure to comply with NRC requirements, you must conduct your radiation safety program according to the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate by NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers: Inspection and Investigations," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Notify NRC in writing of any change in mailing address.
3. In accordance with 10 CFR 30.36(d), notify NRC, promptly, in writing within 60 days, and request termination of the license:
  - a. When you decide to terminate all activities involving materials authorized under the license whether at the entire site or any separate building or outdoor area;
  - b. If you decide not to acquire or possess and use authorized material; or
  - c. When no principal activities under the license have been conducted for a period of 24 months.

4. Request and obtain a license amendment before you:
  - a. Change Radiation Safety Officers;
  - b. Order byproduct material in excess of the amount, radionuclide or form authorized on the license;
  - c. Add or change the areas or address(es) of use identified in the license application or on the license; or
  - d. Change the name or ownership of your organization.
5. Submit a complete renewal application or termination request at least 30 days before the expiration date on your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of radioactive material after your license expires is a violation of NRC regulations.

NRC will periodically inspect your radiation safety program. Failure to conduct your program according to NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC may result in enforcement action against you. This could include issuance of a notice of violation; imposition of a civil penalty; or an order suspending, modifying, or revoking your license as specified in the NRC Enforcement Policy. The NRC Enforcement Policy is available on the following internet address:  
<http://www.nrc.gov/reading-rm/doc-collections/enforcement/>.

The NRC no longer publishes the NRC Rules and Regulations loose leaf supplements. However, an electronic version of the NRC's regulations is available on the NRC Web site at [www.nrc.gov](http://www.nrc.gov). To view these regulations, highlight "Electronic Reading Room" and choose "Regulations" on the drop down menu. An electronic version of the NUREG-1556 Series publications is also available on the NRC Web site. To view these guidance documents, highlight "Electronic Reading Room"; choose "All Collections" on the drop down menu; choose "NUREGS (NRC Reports)"; and select "Publications Prepared by the NRC Staff". Then, choose "NUREG-1556" from the table and select the appropriate volume(s) for your license type.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html>.

Thank you for your cooperation.

Sincerely,



Michelle Simmons, Health Physicist  
Nuclear Materials Safety, Branch B

Docket: 030-32249  
License: 11-27092-01  
Control: 472447

Enclosure: As stated



# HAZMAT CERTIFICATION

*as required by U.S. DOT and IATA*

This certifies that

Jessica Susan Drye

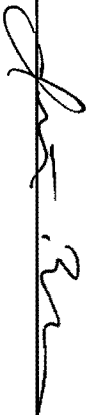
has been trained and tested in accordance with the U.S. Department of Transportation and International Air Transport Association (IATA) hazardous material requirements for general awareness/familiarization, function-specific, safety, and security awareness training as related to the transportation of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

April 22, 2011

## EMPLOYER CERTIFICATION

I certify that the hazmat employee identified on this certificate has been trained and tested as required by U.S. DOT Hazardous Material Regulations (49 CFR 172 Subpart H).

Signature



Title

4-22-11



The Leader in Construction Testing Equipment

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)

Course:

Hazmat Refresher

Tracking Code: j6655BMJ9JC9775\_8041



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
612 EAST LAMAR BLVD, SUITE 400  
ARLINGTON, TEXAS 76011-4125

April 27, 2011

Ada County Highway District  
ATTN: Jessica Drye  
Radiation Safety Officer  
3775 Adams Street  
Garden City, Idaho 83714

SUBJECT: DEEMED TIMELY LETTER

We acknowledge receipt of your application dated April 22, 2011, requesting your byproduct materials license be renewed. Your application is deemed timely filed and, accordingly, the license will not expire until final action has been taken by this office.

We have completed a preliminary review of your submittal. This review was cursory in nature and should not be considered a complete technical review. A complete technical review of the submitted information will be conducted within 180 days.

Any correspondence regarding this application should reference the identifying numbers specified below. If you have questions or require clarification on any of the information stated above, we encourage you to contact us at (817) 860-8103. Thank you for your cooperation.

Sincerely,

A handwritten signature in cursive script that reads "Colleen Murnahan".

Colleen Murnahan  
Licensing Assistant  
Nuclear Materials Safety Branch B

Docket: 030-32249  
License: 11-27092-01  
Control: 574996

BETWEEN:

Accounts Receivable/Payable  
and  
Regional Licensing Branches

[ FOR ARPB USE ]  
INFORMATION FROM LTS

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

## License Fee Worksheet - License Fee Transmittal

### A. REGION

#### 1. APPLICATION ATTACHED

Applicant/Licensee: ADA COUNTY HIGHWAY DISTRICT  
Received Date: 04/27/2011  
Docket Number: 3032249  
Mail Control Number: 574996  
License Number: 11-27092-01  
Action Type: Renewal

#### 2. FEE ATTACHED

Amount: \_\_\_\_\_

Check No.: \_\_\_\_\_

#### 3. COMMENTS

Signed: \_\_\_\_\_

*Colleen Turnahan*

Date: \_\_\_\_\_

4-27-2011

### 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 \_\_\_\_\_  
\_\_\_\_\_

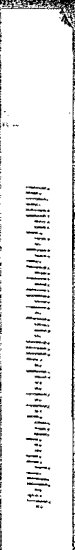
Signed: \_\_\_\_\_

Date: \_\_\_\_\_

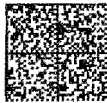
Jessica Dye  
3775 Adams St  
Garden City, ID  
83714

974998

Nuclear Materials Licensing Branch  
US Nuclear Regulatory Commission, Region IV  
612 E Lamar Blvd, Ste 400  
Arlington, TX 76011-4125



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