U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 3/31/2012

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

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, 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.

7.1.1 2.107.1.101.1.1	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 G SEND TWO COPIES OF THE ENTIRE COMPLETED A	UIDE FOR DETAILED INSTRICTIONS FOR COMPLETING APPLICATION. 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 ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:	ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO: MATERIALS LICENSING BRANCH U.S. NUCLEAR REGULATORY COMMISSION REGION IE 1 V 2 2443 WARRENVILLE ROAD, SUITE 278			
IF YOU ARE LOCATED IN:	LISLE, IL 60532-4352			
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. NUCLEA MATERIAL IN STATES SUBJECT TO U.S.NUCLEAR REGULATORY COMMISSION JURISDIC	R REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED TIONS.			
THIS IS AN APPLICATION FOR (Check appropriate item) A. NEW LICENSE	2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)			
B. AMENDMENT TO LICENSE NUMBER	Index Surveying Company dba Index - Miller Engineers 124 E. Mair St			
C. RENEWAL OF LICENSE NUMBER 49 - 19477-01	Riverton, WY 82501			
3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED 124E. Mai. St. Riverto-, WY 1350 Parsley Blvd. Chegerne, WY 428 Alan Rd Powell, WY SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMA				
5. RADIOACTIVE MATERIAL	6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED. SEE APPENDIX			
Element and mass number; b. chemical and/or physical form; and c, maiximum amount which will be possessed at any one time. SEE APPENDIX B	B ATTENDIX			
7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.	8, TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS. SER APPEN DIX B			
9. FACILITIES AND EQUIPMENT. SEE APPENDIX B	10, RADIATION SAFETY PROGRAM. SEE APPENDIX B			
11. WASTE MANAGEMENT. SER APPENDIX B	12. LICENSE FEES (See 10 CFR 170 and Section 170.31) FEE CATEGORY AMOUNT ENCLOSED \$			
CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34 CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.	AT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN 1, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTANED HEREIN IS TRUE AND RIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO			
CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE EXECUTIVE VP,	SIGNATURE DATE			
JEREMY J. HERNANDEZ, CFO, COO	12/7/12			
	C USE ONLY COMMENTS			
\$	Ma 579604			
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
/		Cesium-137	Sealed source manufacturer or distributor and model number: Device manufacturer or distributor and model number: Troxler 3241 - C 3401 3411 - B 3430 3440	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes D Specific description of the gauge use: Implace Soil an Asphalt Description Asphalt Contest	□ Not applicable □ Uses are: □ (Submit safety analysis supporting safe use)
✓		Americium- 241	Sealed source manufacturer or distributor and model number: Device manufacturer or distributor and model number: Transfer 3241-C 3401 3411-B 3430 3440	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Specific description of the gauge use: Luplace Soil of Asphalt Dousety Office of the gauge use: Luplace Soil of the gauge use:	□ Not applicable □ Uses are: (Submit safety analysis supporting safe use)

PUBLIC Immediate Release Normal Release	
NON-PUBLIC A.3 Sensitive-Secur A.7 Sensitive Interr	nal
Reviewer: MS	Date: 12/20/12

APPENDIX B

×	Californium- 252	Sealed source manufacturer or distributor and model number: Device manufacturer or distributor and model number:	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source	Yes Specific description of the gauge use:	☐ Not applicable ☐ Uses are: ———— (Submit safety analysis
			and Device Registration Certificate		supporting safe use)
>	Other Isotope (Specify):	Sealed source manufacturer or distributor and model number: Device manufacturer or distributor and model number:	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes Specific description of the gauge use:	☐ Not applicable ☐ Uses are: ———————————————————————————————————

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
7.	INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE – RADIATION SAFETY OFFICER	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.		×
8.	TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS	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.	×	
9.	FACILITIES AND EQUIPMENT	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 Need Not Be Submitted With Application	
10.	RADIATION SAFETY PROGRAM - AUDIT PROGRAM	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	
10.	RADIATION SAFETY PROGRAM – TERMINATION OF ACTIVITIES	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	
10	. RADIATION SAFETY PROGRAM – SURVEY INSTRUMENTS	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.	×	O

APPENDIX B

Item No. And Title	Item No. And Title Suggested Response		
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.		
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.		
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.	The state of the s	ot Be Submitted pplication
10. RADIATION SAFETY PROGRAM – OPERATING AND EMERGENCY PROCEDURES	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. OR	×	0
	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.		
10. RADIATION SAFETY PROGRAM – LEAK TEST	Leak tests will be performed at intervals approved by NRC or an Agreement Sate 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.		The information in Appendix J supporting a request to perform leak testing and sample analysis is attached.

APPENDIX B

Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached	
10. RADIATION SAFETY PROGRAM MAINTENANCE	Routine Cleaning and Lubrication We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions.	X		
	Non-Routine Maintenance 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.	×	The information listed in Appendix G supporting a request to perform non-routine maintenance in-house is attached.	
10.RADIATION SAFETY PROGRAM – TRANSPORTATION	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.	Need Not Be Submitted With Application		
11. WASTE MANAGEMENT – GAUGE DISPOSAL AND TRANSFER	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.	137507	Need Not Be Submitted With Application	

Item 7 Individuals Responsible for Radiation Safety Program and Their Training Experience Radiation Safety Officers

NAME	AREA OF RESPONSIBILITY	QUALIFICATIONS	TRAINING	EXPERIENCE
Jeremy J. Hernandez	Company-wide	Bachelor of Science Business Administration	Nuclear Testing Services Training	RSO Inberg-Miller Engineers Riverton, Wyoming 1995 to Present
Glen M. Bobnick	Riverton, Powell, and Green River Operations	Registered Professional Engineer	Troxler Training Course	RSO Inberg-Miller Engineers Riverton, Powell, and Green River 2006 to Present
Derek J. Baker	Casper and Cheyenne Operations	Registered Professional Engineer	Troxler Training Course	RSO Casper and Cheyenne 2006 to Present

Copies of training certificates for the above listed responsible individuals are attached.

HEREBY CERTIFIES THAT

JEREMY J. HERNANDEZ

of

INBERG - MILLER ENGINEERS

HAS SUCCESSFULLY COMPLETED THE NUCLEAR TESTING SERVICES TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

Subjects included in this course were as follows:

RADIOLOGICAL SAFETY

- Principles and practices of radiation protection.
- 2. Leak testing procedures.
- Mathematics and calculations basic to the use and measurement of radioactivity.
- 4. Biological effects of radiation.

- Radioactivity measurement standardization and monitoring techniques and instruments.
- 6. Accident and incident procedures.
- Procedures for nuclear gauge storage and transportation.
- 8. General safety precautions.

GAUGE OPERATION

- 1. Instrument theory
- 2. Operating procedures
- 3. Maintenance

- 4. Field application
- 5. Gauge calibration

Donald C. Muir

5/29/96

and Me

TROXLER ELECTRONIC LABORATORIES, INC

GLEN M. BOBNICK

of

TESTING ENGINEERS & CONSULTANTS, INC.

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC. TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

- 1. Principles and practices of radiation protection.
- 2. Leak testing procedures.
- 3. Mathematics and calculations basic to the use and measurement of radioactivity.
- Biological effects of radiation.
- 5. Radioactivity measurement standardization and monitoring techniques and instruments.
 - 6. Accident and incident procedures.
 - 7. Procedures for nuclear gauge storage and transportation.
 - 8. General safety precautions.

Gauge Operation

- Instrument theory
- 2. Operating procedures
- Maintenance

INSTRUCTOR

4. Field application 5. Gauge calibration

9972

W.F. TROXLER PRESIDENT

Certificate of Completion

This certifies that

Derek J Baker

has successfully completed the

Radiation Safety Officer Class

conducted by the training department of

Troxler Electronic Laboratories, Inc.

Robert Wilson

Instructor

5/25/2006

Date

William F. Troxler, Jr.

President



Troxler Electronic Laboratories, Inc.
PO Box 12057 • 3008 Cornwallis Rd. • Research Triangle Park, NC 27709
Phone: (010) 549-9661 • Fax: (919) 549-0761 • Web site: www.troxlerlabs.cc

Enrollment ID: 18524



HEREBY CERTIFIES THAT

DEREK J BAKER of

INBERG-MILLER ENG

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC. TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

- 1. Principles and practices of radiation protection.
- 2. Leak lesting procedures
- 3. Mathematics and calculations basic to the use and measurement of radioactivity.
- 4. Biological effects of radiation.
- 1. Instrument theory
- 2. Operating procedures
- 3. Maintenance

0

CALUTA VILSON
ROBERT WILSON
INSTRUCTOR

- 5. Radioactivity measurement standardization and monitoring techniques and instruments.
- 6. Accident and incident procedures.
- 7. Procedures for nuclear guage storage and transportation.
- 8. General safety precautions.

Gauge Operation

- 4. Field application
- 5. Gauge calibration

CERTIFICATE #: 098124

4/02/02 DATE WILLIAM F. TROXLER, JR PRESIDENT



LETTER OF TRANSMITTAL

124 E. Mair Riverton, V (307) 856-8 (307) 856-3 riverton@ir	VY 82501 136 (ph)	1120 E. "C" Street Casper, WY 82601 (307) 577-0806 (ph) (307) 472-4402 (fax casper@inberg-mil	ler.com	350 Parsley E Cheyenne, W (307) 635-682 (307) 635-271 cheyenne@in	Y 82007 7 (ph) 3 (fax)	com	428 Alan Road Powell, WY 82435 (307) 754-7170 (ph) (307) 754-7088 (fax) powell@inberg-miller.com	193 West Flaming Gorge Way Green River, WY 82935 (307) 875-4394 (ph) (307) 875-4395 (fax) greenriver@inberg-miller.com
DATE: _	December 7, 2	012				JOB N	O: 639-RA	
	Carol Hill, Lice US Nuclear Re 1600 E. Lamar Arlington, TX 7	gulatory Comn Blvd.	t nission			RE:	NRC License Rene License No. 49-194	
	CENDING VOI	J: X Attac	had	□ Un	der sepa	rate co	ver via	
The following	SENDING YOU	Drawing	Prints		Plans		Specifications	
		Copy of letter	Change	Order	Sam	ples	X Other	
COPIES	DATE	NO.					SCRIPTION	
2	12/7/12	11pgs/ea	Application	on for Mate	erials Lice	ense, N	RC Form 313	
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		+						
						-7275		
THESE	ARE TRANSMI	TTED as checke	d below:					
For a	pproval		Approved	as submitted	i		Submit	copies for distribution
	•		Approved	as noted			Return	corrected prints
X For y	our use							rned after loan to us
As re	equested		Returned	for correction	ns		Prints retu	med alter loan to us
For re	eview and comment		Resubmi	copies fo	r approval		Bid due _	
REMAR	KS:							
If you ha	ave any question	s nlease conta	ct us at 30	7-856-8136	3.			
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Hasler 12/07/2012 US POSTAGE

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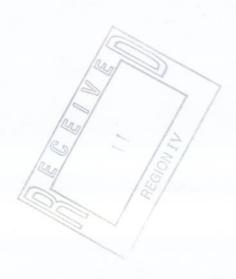


INBERG-MILLER ENGINEERS

124 East Main Street Riverton, WY 82501

www.inberg-miller.com

Carol Hill, Licensing Assistant
US Nuclear Regulatory Commission
1600 E. Lamar Blvd.
Arlington, TX 76011-4511



5 9604

NRC FORM 532 (1-2012)



DATE

12/18/2012

****	ø				
NAME AND ADDRESS OF APPLICANT AND/OR LICENSEE		LICENSE NUMBER			
Inberg Surve	ying Co., Inc.	49-19477-01			
dba Inberg N	filler Engineers	MAIL CONTROL NUMBER			
	my J. Hernandez, CEO	579604			
124 E. Main Street Riverton, WY 82501		LICENSING AND/OR TECHNICAL REVIEWER			
Kivenon, w	1 82301	cmurnahan UM			
This is to ac	cknowledge the receipt of your:				
	☐ LETTER and/or	DATED: 12/07/2012			
The initial p	rocessing, which included an administrative	review, has been performed.			
		EW LICENSE ✓ RENEWAL			
✓ There we	re no administrative omissions identified dur	ing our initial review.			
This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.					
Your appli	cation for a new NRC license did not include out NRC Form 531, located at the following	e your taxpayer identification number. link:			
	http://www.nrc.gov/reading-rm/doc-	collections/forms/nrc531.pdf			
Send the	completed NRC Form 531, by facsimile, to t	the following number: (301) 415-5387			
our Head involved.	your action has been emailed to our Licenso quarters office in Rockville, MD. You will be	contacted separately if there is a lee issue			
calling to been forw normally	lication has been assigned the above listed I inquire about this action, please refer to this varded to a technical reviewer. Please note completed within 180 days for a renewal app tify additional omissions or require additional ng the processing of your application, our con	that the technical review, which is olication (90 days for all other requests), I information. If you have any questions			

Region IV U. S. Nuclear Regulatory Commission DNMS/NMSB - B' eading im/du offections to 1600 E. Lamar Blvd. Arlington, TX 76011-4511 (817) 200-1103 or (817) 200-1140

NRC FORM 532 (1-2012)

emailed to lecensee 12/18/12 Cm

BETWEEN:	[FOR ARPB USE] INFORMATION FROM WBL
Accounts Receivable/Payable and Regional Licensing Branches	Program Code: 03121 Status Code: Pending Renewal Fee Category: 3P Exp. Date: Fee Comments: Decom Fin Assur Reqd: N
License Fee Worksheet - Licens	se Fee Transmittal
A. REGION	
1. APPLICATION ATTACHED Applicant/Licensee: INBERG SURVEYING C Received Date: 12/11/2012 Docket Number: 3017754 Mail Control Number: 579604 License Number: 49-19477-01 Action Type: Renewal	CO., INC.
2. FEE ATTACHED Amount: Check No.:	
3. COMMENTS	
Signed:	Ulen Murnahan 12-18-12
B. LICENSE FEE MANAGEMENT BRANCH (Chec	k when milestone 03 is entered / /)
Correct Fee Paid. Application may be processe Amendment:	d for:
Renewal:	
License:	
3. OTHER	

Signed:

Date: