

# Wolverine Engineers & Surveyors, Inc.

312 North Street • Mason, Michigan 48854 • 517.676.9200 • Fax 517.676.9396

March 9, 2011

Material Licensing Branch  
U.S. Nuclear Regulatory Commission, Region III  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

Attention Michael G. Herr, CHP

Regarding: Control No.: **574150**, Amendment to License #21-25970-02, Revision per  
Conversation (Dated March 8, 2011)

Please find attached a completed and revised application for the request for amendment to License #21-25970-02. **Items I would like to have amended are Item 7 (Individuals Responsible for Radiation Safety and Program and Their Training Experience) and Item 10 (Radiation Safety Program).**

Item 7:

- Please find attached a copy of Wolverine Engineers and Surveyors, Inc. List of Authorized Users and Accreditations which shows the current training certifications for Clinton J. Martinez, who has been named the new Radiation Safety Officer for the company.
- Also attached is a copy of Wolverine's RESOLUTION PERTAINING TO THE SIGNATORIES FOR THE NUCLEAR REGULATORY COMMISSION AND RADIATION SAFETY OFFICER, naming Clinton J. Martinez as the new RSO. Maurice H. Mahieu is the current RSO and will be until Wolverine's license has been amended. At that time Mr. Clinton J. Martinez will assume full responsibility as the RSO.
- Please find attached letter (Dated March 9, 2011, signed by Mr. Clinton J. Martinez) acknowledging and accepting the position, duties, and responsibilities of the Radiation Safety Officer for Wolverine Engineers and Surveyors, Inc.

Item 10:

- Please see the attached supplement dated containing the information pertinent to the item.

Please feel free to contact me with any questions you may or if you require any further information regarding this matter.

Thank You,

Donald B. Heck, P.E., President  
Wolverine Engineers and Surveyors, Inc.

**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. 3150-0120

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, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOF-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.

**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  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

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.

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

- A. NEW LICENSE
- B. AMENDMENT TO LICENSE NUMBER 21-25970-02
- C. RENEWAL OF LICENSE NUMBER \_\_\_\_\_

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

**Wolverine Engineers and Surveyors, Inc.**  
Attn.: Donald B. Heck, P.E., President  
312 North Street  
Mason, MI 48854

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

**Various Construction Sites.**  
Please see attached supplemental sheet.

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

**Clinton J. Martinez**

TELEPHONE NUMBER

**(517) 676-9200**

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 \$ **0.00**

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

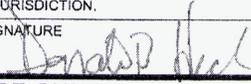
THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND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

**Donald B. Heck, P.E., President**

SIGNATURE

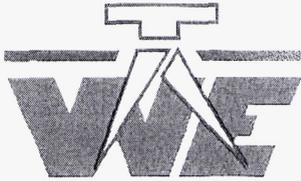


DATE

**03/09/2011**

**FOR NRC USE ONLY**

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



# Wolverine Engineers & Surveyors, Inc.

312 North Street • Mason, Michigan 48854 • 517.676.9200 • Fax 517.676.9396

**Revised March 9, 2011** (per Conversation w/ Michael G. Herr, CHP on March 8, 2011, Control Number 574150)

Supplemental sheet for Items 5-11 of the attached amendment to APPLICATION FOR MATERIAL LICENSE (License #21-25970-02, expires April 30, 2014) for Wolverine Engineers and Surveyors, Inc.

Item 5 - RADIOACTIVE MATERIAL:

Cesium – 137: Sealed Source of Troxler Model 3411 (**Source Serial Number 50-5477, Maximum Activity Level 9MCI**). The quantity is a single source not to exceed 10 millicuries. The gauge is to be used as a moisture/density determination gauge on construction sites.

Cesium – 137: Sealed Source of Troxler Model 3430 (**Source Serial Number 75-1290, Maximum Activity Level 9MCI**). The quantity is a single source not to exceed 10 millicuries. The gauge is to be used as a moisture/density determination gauge on construction sites.

Americium – 241: Sealed Source of Troxler Model 3411 (**Source Serial Number 47-12027, Maximum Activity Level 44MCI**). The quantity is a single source not to exceed 50 millicuries. The gauge is to be used as a moisture/density determination gauge on construction sites.

Americium – 241: Sealed Source of Troxler Model 3430 (**Source Serial Number 47-15531, Maximum Activity Level 44MCI**). The quantity is a single source not to exceed 50 millicuries. The gauge is to be used as a moisture/density determination gauge on construction sites.

**Total Limit of Possession for Cesium - 137: Not to exceed 18MCI (2 sources total)**

**Total Limit of Possession for Americium – 241: Not to exceed 88MCI (2 sources total)**

\*\*\*The maximum values for the individual sources takes into account the manufacturing tolerance of +/- 10% for the source activity.

Item 6 - PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED:

Both gauges named above will be used for moisture and density determination of construction materials at construction sites in States subject to the NRC's regulatory authority.

Item 7 - INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE:

The individual responsible for radiation safety and training programs is Clinton J. Martinez. **This is the reason for the amendment application to the above named Material License.** See attached "RESOLUTION PERTAINING TO THE SIGNATORIES FOR THE NUCLEAR REGULATORY COMMISSION AND THE RADIATION SAFETY OFFICER" dated December 3, 2010, naming the new Radiation Safety Officer as Clinton J. Martinez.

Item 8 - TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS:

All individuals working with the above named gauges have taken a Nuclear Gauge Safety Class provided by Troxler. A list of employees who are authorized to use the gauges and the date of the last Nuclear Gauge Safety Class each has attended is available for review at the office of Wolverine Engineers and Surveyors, Inc.

A course refreshing the topics of the Nuclear Gauge Safety Class provided by Troxler will be held annually and instructed by the above named Radiation Safety Officer. All authorized Troxler gauge users employed by Wolverine will attend the course. A record of all attendees will be recorded and kept on file.

Item 9 - FACILITIES AND EQUIPMENT:

The nuclear gauges will be stored in a locked enclosure, inaccessible to unauthorized persons, at all times unless being used as noted in Item 6 above and under the supervision of an authorized individual. All gauges, during transportation and storage will be secured as required per NRC regulations 10 CFR.

Item 10 - RADIATION SAFETY PROGRAM:

The two Troxler nuclear safety gauges originally purchased by Wolverine Engineers and Surveyors, Inc. are still in our possession. Every 6 months, the gauges have been leak tested in accordance with NRC regulations. It has come to our attention that new regulations have been adopted by the NRC, changing the leak testing frequency from once every 6 months (biannually) to once every 12 months (annually). **Wolverine Engineers and Surveyors, Inc. is requesting the frequency of our leak testing interval on our license to be changed to an annual basis.**

Once per year, the gauges are sent to Troxler for complete cleaning, lubrication, inspection, and calibration. Reports for the above mentioned maintenance are kept on file at the office of Wolverine Engineers and Surveyors, Inc. and are available for inspection.

All authorized individuals using the gauges are required to wear nuclear badges which are tested once per quarter (4 times each year). Results are sent to our office where results are filed and are available for all users to inspect.

Emergency procedures are given to each authorized individual using the gauges. A binder containing all required transportation paperwork and emergency procedures

---

accompany each gauge in their respective certified transportation cases. Radiation safety courses will be held each year and all authorized individuals will be in attendance. A record of each session and the attendees will be kept on file at the office of Wolverine Engineers and Surveyors, Inc. All authorized users receive HAZMAT and Radiation Safety Training as required by the NRC. A log of all authorized users and the date of the certification will be on file with the RSO.

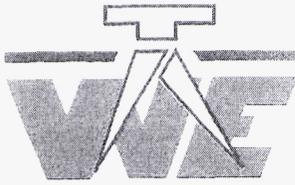
A radiation survey meter has been purchased by Wolverine Engineers and Surveyors, Inc. for our use in the event of emergency. Annual calibration of the survey meter will be incorporated into the Wolverine Engineers and Surveyors, Inc. Radiation Safety Program.

Item 11 – WASTE MANAGEMENT:

The two Troxler gauges noted above are still in the possession of Wolverine Engineers and Surveyors, Inc. No gauge or waste disposal has occurred to date.

Generated by Clinton J. Martinez, March 9, 2011





# Wolverine Engineers & Surveyors, Inc.

312 North Street • Mason, Michigan 48854 • 517.676.9200 • Fax 517.676.9396

March 9, 2011

Material Licensing Branch  
U.S. Nuclear Regulatory Commission, Region III  
2443 Warrenville Road, Suite 210  
Lisle, IL 60532-4352

Attention: Michael G. Herr, CHP

Regarding: Control Number: **574150**, Amendment to License #21-25970-02

Mr. Herr,

Please accept this letter as the acknowledgment of my acceptance of the position of the Radiation Safety Officer within Wolverine Engineers and Surveyors, Inc. I accept all responsibilities and duties associated with the position of Radiation Safety Officer within Wolverine Engineers and Surveyors, Inc.

I have received certified Radiation Safety Officer training from the manufacturer of our Moisture and Density Determination Gauges (Troxler Electronic Laboratories, Inc.) to prepare myself for the responsibilities associated with the RSO position.

Please feel free to contact me with any questions you may or if you require any further information regarding this matter.

Thank You,

A handwritten signature in cursive script that reads "Clinton J. Martinez". To the right of the signature, the date "3/9/11" is written in a simple, legible font.

Clinton J. Martinez  
Wolverine Engineers and Surveyors, Inc.

**Michael G. Herr, CHP**  
**MATERIALS LICENSING BRANCH**  
**UNITED STATES NUCLEAR REGULATORY COMMISSION**  
REGION III  
2443 WARRENVILLE ROAD SUITE 210  
LISLE, ILLINOIS 60532-4352  
OFFICE: (630)-829-9752 FAX: (630) 515-1078

---

<b>CONVERSATION RECORD</b>	TIME	DATE
<b>Emailed 3/8/11</b>	<b>7:51 a.m. CST.</b>	<b>3/8/11</b>

---

<small>NAME OF PERSON(S) CONTACTED</small> Clinton J. Martinez Proposed Radiation Safety Officer	<small>ORGANIZATION</small> Wolverine Engineers & Surveyors, Inc.	<small>TELEPHONE NO.</small> O: (517) 676-9200
---	---	---

---

SUBJECT  
License No.: 21-25970-02                      Control No.: **574150**

---

SUMMARY

This refers to application, NRC Form 313, dated December 3, 2010 (with attachments) and the phone conversation between Clinton Martinez and Mike Herr on March 8, 2011.

**In your NRC Form 313 dated December 3, 2010, the activity values for cesium-137 and americium-241 sources for the Troxler Model Nos. 3411 and 3430 are incorrect. Please provide the correct activity values for the Troxler Model Nos. 3411 and 3430 for the cesium-137 and americium-241 sources ensuring that the values match those found in the Sealed Source Device Registry for each device.**

**Due to an NRC policy change, you must now provide a written, signed and dated statement that the proposed Radiation Safety Officer accepts his appointment as RSO and that he understands the duties and responsibilities associated with the position. Please provide a statement signed and dated by the proposed RSO that s/he accepts the position as RSO and that s/he understands the duties and responsibilities associated with the RSO position.**

**Please also note that we now require a total possession limit for the radionuclide listed on your license. Please provide the total possession limit for each radionuclide. It acceptable to request more sealed sources than you may actually need immediately, to allow for some growth, so long as the request is reasonable and realistic.**

**Upon receipt of your response we will resume our review, Address your written response to my attention at the above address and please be sure to reference Control No. 574150 to facilitate proper handling in our office. As a reminder, please provide the information requested in writing, accompanied by a transmittal letter appropriately dated and signed by a senior management official.**

---

ACTION REQUIRED

Please submit the requested information within 6 calendar days (by March 14, 2010) by referencing control number **574150** to facilitate proper handling. Upon receipt of your response we will resume our review. Address your written response to my attention at the above address.

PLEASE DIRECT ANY QUESTIONS YOU MAY HAVE TO MICHAEL G. HERR, CHP at 630-829-9752 OR AT (800) 522-3025, EXT. 9752.

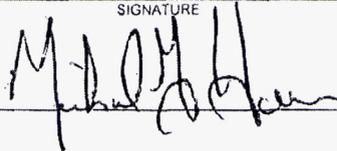
---

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

DATE

Michael G. Herr, CHP



March 8, 2011

---

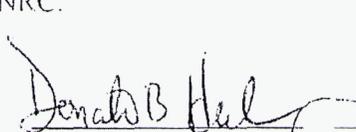
RESOLUTION PERTAINING TO THE SIGNATORIES FOR THE NUCLEAR  
REGULATORY COMMISSION AND THE RADIATION SAFETY OFFICER

WHEREAS, Wolverine Engineers & Surveyors, Inc. has appointed Clinton J. Martinez as the  
Corporate Radiation Safety Officer, and

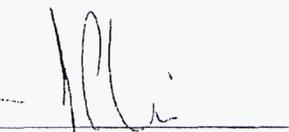
WHEREAS, Clinton J. Martinez has attended and successfully completed the Radiation  
Safety Officer Training Class as conducted by the training department of Troxler Electronics  
Laboratories, Inc. on September 30, 2010, and

WHEREAS, Wolverine Engineers & Surveyors, Inc. periodically files documents with the  
Nuclear Regulatory Commission (NRC) requiring authorized signatures.

NOW BE IT RESOLVED THAT, Wolverine Engineers & Surveyors, Inc. authorizes Clinton  
J. Martinez to act on the behalf of Wolverine Engineers & Surveyors, Inc. in written correspondence  
with the NRC.



Donald B. Heck, P.E.  
President/Secretary



Joseph C. White, P.E.  
Vice President/Treasurer



Timothy J. Young  
Director

December 3, 2010



Woverine Engineers and Surveyors, Inc.  
 List of Authorized Users and Accreditations

Last	First	Middle Init.	Title	Certification/Training	Cert. #	Date Taken	Exp. Date
Martinez	Clinton	J.	Technician II, RSO	Radiation Safety Officer Training - Troxler	27024041	9/30/2010	None
				HAZMAT Certification - Troxler	27024041	9/30/2010	9/30/2013
				HAZMAT Certification - Troxler	11399484	5/14/2008	5/14/2011
				HAZMAT Certification - Troxler	9605	8/10/2004	8/10/2006
				Nuclear Gauge Safety Training Class - Troxler	9605	8/10/2004	None
Lothamer	Mathew	J.	Technician I	HAZMAT Certification - Troxler	21598	3/14/2007	3/14/2010
				Nuclear Gauge Safety Training Class - Troxler	21598	3/14/2007	None
Raymond	Dean	R.	Technician II	HAZMAT Certification - Troxler	9966796	4/14/2008	4/14/2011
				Nuclear Gauge Safety Training Class - Troxler	9966796	4/14/2008	None
Sekrenes	Martin	D.	Senior Technician	HAZMAT Certification - Troxler	16671280	3/19/2009	3/19/2012
				Nuclear Gauge Safety Training Class - Troxler	26018	3/8/1989	None
Brinkoetter	Matthew	J.	Technician II	HAZMAT Certification - Troxler	9966058	4/14/2008	4/14/2011
				Nuclear Gauge Safety Training Class - Troxler	96466	10/11/2001	None
				HAZMAT Certification - Troxler	96466	10/11/2001	10/11/2004
Singles	Paul	T.	Technician III	HAZMAT Certification - Troxler	9966139	3/26/2008	3/26/2011
				Nuclear Gauge Safety Training Class - Troxler	3284	4/10/2003	None
				HAZMAT Certification - Troxler	3284	4/10/2003	4/10/2006
Turner	J.	Pat	Technician III	HAZMAT Certification - Troxler	9966162	4/14/2008	4/14/2011
				Nuclear Gauge Safety Training Class - Troxler	78526	8/7/1997	None
Mahieu	Maurice	H.	Professional Surveyor, RSO	HAZMAT Certification - Troxler	9965951	4/14/2008	4/14/2011