Robert A. Ficano
County Executive

December 9, 2010

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

RE: License #: 21-13687-01
Expiration Date: 02-28-2011
Program Code: 03121

Gentlemen:

The Wayne County Testing and Inspection Office is requesting to renew License # 21-13687-01, Program Code 03121, Expiration Date 01-31-2001. Attached for your information and use is NRC form 313 and documentation per NUREG – 1556, Volume 1, Appendix M.

If you have any questions or require further information, please contact me at (734) 595-6504, extension 2012.

Paul H. Gluszak, P.E.
Division Testing Engineer

PHG/lam

Enclosure

cc: File

U:L. Morris\Nuclear Gauge\NRC renew license ltr.

RECEIVED DEC 1 4 2010

WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES / ENGINEERING DIVISION / TESTING & INSPECTION OFFICE
33809 MICHIGAN AVENUE, WAYNE, MICHIGAN 48184 • TELEPHONE: (734) 595-6504 • FAX: (734) 595-6556

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

U.S. NUCLEAR REGULATORY COMMISSION

APPLICATION FOR MATERIALS LICENSE

APPROVED BY OMB: NO. 3150-0120 EXPIRES: 3/31/2012

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.

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRLCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIEL 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
- [X] C. RENEWAL OF LICENSE NUMBER 12-13687-01

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

Wayne County Department of Public Services
Testing and Inspection Office
33809 Michigan Avenue
Wayne, MI 48184-1738

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

33809 Michigan Avenue
Wayne, MI 48184-1738

and at temporary job sites in the U.S. where the U.S.N.R.C. maintains jurisdiction.

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Paul H. Gluszak, P.E.

TELEPHONE NUMBER

734-595-6504, Ext. 2012

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. maiximum 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 $

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 CONTANED 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
Paul H. Gluszak, P.E., Testing Office	Paul H. Gluszak	12/9/10

FOR NRC USE ONLY

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

PRINTED ON RECYCLED PAPER

ITEMS 5 AND 6: MATERIAL TO BE POSSESSED AND USES

YES	NO	RADIOISOTOPE	MFG./MODEL NO. CPN MC3 (3A) Troxler 3440	QUANTITY 4 5	MOST COMMON USE	SPECIFY OTHER USES NOT LISTED ON SSD CERTIFICATE
X		Cesium-137	Sealed sources in compatible gauges as specified in Sealed Source & Device Registration Sheet	Not to exceed maximum activity per source as specified in Sealed Source & Device Registration Sheet	Measure Physical Properties of Materials	[ ] Not applicable ---------- [ ] Uses are:
X		Americium-241	Sealed neutron sources in compatible gauges as specified in Sealed Source & Device Registration Sheet	Not to exceed maximum activity per source as specified in Sealed Source & Device Registration Sheet	Measure Physical Properties of Materials	[ ] Not applicable ---------- [ ] Uses are:
	X	Californium-252	Sealed neutron sources in compatible gauges as specified in Sealed Source & Device Registration Sheet	Not to exceed maximum activity per source as specified in Sealed Source & Device Registration Sheet	Measure Physical Properties of Materials	[] Not applicable ---------- [] Uses are:
		Other (specify)				
		FINANCIAL ASSURANCE REQUIRED AND EVIDENCE OF FINANCIAL ASSURANCE PROVIDED				

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

ITEM NUMBER AND TITLE	SUGGESTED RESPONSE	APPLICANT'S RESPONSE			
		YES	NO	OTHER	
				YES	NO
ITEM 7 INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE - RADIATION SAFETY OFFICER NAME Paul H. Gluszak, P.E. Radiation Safety Officer SEE ATTACHED	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, dated May 1997.	X			
	AND				
	Before being named as the *RSO*, future *RSO*s 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, dated May 1997.	X			
	Optional Response Criteria for Acceptable Training Courses for Radiation Safety Officer/Portable Gauge Users Course Content • 1.5-2 hours of radiation safety and regulatory requirements • 1.5-2 hours practical explanation of gauge theory and operation (including test runs) Course Examination • 25- to 50-question written (closed book) test -- 70 percent grade Course Instructor Qualifications • Bachelor's degree in a physical or life science or engineering with successful completion of both a portable gauge user course and 8-hour radiation safety course and 8 hours hands-on experience with portable gauges.				
	OR				

PAUL H. GLUSZAK, P.E.
RADIATION SAFETY OFFICER

1. License Professional Engineer, State of Michigan
2. Bachelor of Civil Engineering, University of Detroit, 1984.
3. Associate of Science, 1980, Niagara University
4. Three (3) day Radiation Safety Seminar, Engelhardt & Associates, 1998.
5. CPN Radiation Safety and Use of Nuclear Gauges, 8 hrs. seminar, 1988.
6. Operated, supervised and administered use of nuclear gauges on State, County, Airport and Permit Work from February 1988 to present.

RICHARD J. MCCARTY, P.E.
ASSISTANT RADIATION SAFETY OFFICER.

1. Licensed Professional Engineer, State of Michigan.
2. Bachelor of Science in Civil Engineering, Michigan State University, 1988.
3. Troxler 8 hour training course for the use and HAZMAT transportation of nuclear testing equipment, December 2007.
4. Operated, supervised and administer use of nuclear density gauges on State, County and Permit Projects from January 2008 to present.

NIDAL F. FAKHOURY
ASSISTANT RADIATION SAFETY OFFICER

1. Bachelor of Science, Civil Engineering, Wayne State University, 1985.
2. Three (3) day Radiation Safety Seminar, Engelhardt & Associates.
3. Troxler 8 hour training course for the Use of Nuclear Testing Equipment, July 1988.
4. Operated, supervised and administers use of nuclear density gauges on State, County, Airport and Permit Projects from May 1992 to Present.

STEVE CHORKALUK
DENSITY GAUGE SUPERIVSOR

1. Troxler Radiation Safety and Use of Nuclear Gauges, 8 hr. seminar, 1996
2. Use of Nuclear Gauges 8 hr. seminar, 1996.
3. Michigan Department Transportation, 4 hr. Nuclear Density Operation and Safety Training Course, January 2005.
4. Supervises the daily activity of technicians operating gauges, performs leak tests on gauges, maintains logs, inventories and maintenance, 2008 to present.

ITEM NUMBER AND TITLE	SUGGESTED RESPONSE	APPLICANT'S RESPONSE			
		YES	NO	OTHER	
				YES	NO
ITEM 7 (CONTINUED)	• An individual with the following training: – Successful completion of portable gauge user course – Successful completion of 40-hour radiation safety course – 30 hours of hands-on experience with portable **gauges.**				
ITEM 8 TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS	Before using licensed materials, authorized users will have successfully completed one of the training courses described in Criteria in the section entitled "Training for Individuals Working In or Frequenting Restricted Areas" in NUREG-1556, Vol. 1, dated May 1997. ***Optional Response*** Review optional response against criteria listed under Item 7.	X			
ITEM 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			
ITEM 10 RADIATION SAFETY PROGRAM - AUDIT PROGRAM	The applicant is not required to, and should not, submit its audit program to the *NRC* for review during the licensing phase	Need Not Be Submitted With Application			
ITEM 10 RADIATION SAFETY PROGRAM - TERMINATION OF ACTIVITIES	The applicant is not required to submit a response to the termination of activities section during the initial application. However, when the license expires or at the time the licensee ceases operations, *NRC Form 314* must be submitted.	Need Not Be Submitted With Application			

ITEM NUMBER AND TITLE	SUGGESTED RESPONSE	APPLICANT'S RESPONSE			
		YES	NO	OTHER	
				YES	NO
ITEM 10 RADIATION SAFETY PROGRAM - 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, dated May 1997, in the event of an incident. ***Optional Response*** A radiation survey meter should satisfy the following criteria: • Be capable of detecting gamma radiation • Be checked for functionality before use	X			
ITEM 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. ***Optional Response*** Frequency and procedures to ensure: no gauge lost, stolen or misplaced, and if possession exceeds threshold, comply with financial assurance requirements in *10 CFR 30.35*.	X			
ITEM 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% of the allowable limits in 10 CFR Part 20 or we will provide dosimetry processed and evaluated by a *NVLAP*-approved processor that is exchanged at a frequency recommended by the processor. ***Optional Response*** Alternative response demonstrates compliance with 10 CFR Part 20 requirements.	X			
ITEM 10 RADIATION SAFETY PROGRAM - PUBLIC DOSE	The applicant is <u>not</u> required to submit a response to public dose section during the licensing phase. This matter will be examined during an inspection.	Need Not Be Submitted With Application			

ITEM NUMBER AND TITLE	SUGGESTED RESPONSE	APPLICANT'S RESPONSE			
		YES	NO	OTHER	
				YES	NO
ITEM 10 RADIATION SAFETY PROGRAM - OPERATING & EMERGENCY PROCEDURES	We will implement and maintain the operating and emergency procedures in *Appendix H* of NUREG-1556, Vol. 1, dated May 1997 and provide copies of these procedures to all gauge users and at each job site. **OR** 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, dated May 1997. ***Optional Response*** • Instructions to use gauge and perform routine maintenance per manufacturer's recommendations and instructions • Instructions to maintain security during storage and transportation • Instructions to keep the gauge under control and immediate surveillance during use • Steps to take to keep radiation exposures *ALARA* • Steps to maintain accountability during use • Steps to control access to a damaged gauge • Steps to take, and whom to contact, when a gauge has been damaged. • If gauges are used for measurements greater than 3 feet beneath the surface: use of surface casing or other procedures to ensure free movement of source in hole; instructions, procedures to retrieve a stuck source; *NRC* reporting requirements • Copies provided to personnel and available at each job site	X			

ITEM NUMBER AND TITLE	SUGGESTED RESPONSE	APPLICANT'S RESPONSE			
		YES	NO	OTHER	
				YES	NO
ITEM 10 RADIATION SAFETY PROGRAM - MAINTENANCE	**ROUTINE CLEANING & LUBRICATION** We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions. ***Optional Response*** • Considers *ALARA* • Ensures gauge functions as designed • Ensures source integrity not compromised	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. ***Optional Response*** Provide the information listed in *Appendix G* supporting a request to perform non-routine maintenance in-house. • Types of work to be performed • Who will perform maintenance, training, experience, why competent • Handling procedures: doses to public, personnel *ALARA* and reg. limits; security; posting; mfg. instructions and recommendations • Use of whole body and extremity monitoring or evaluation to demonstrate that individuals are not likely to receive greater than 10% of allowable limits • Possess survey instrument (detects gamma radiation; range 1-50 mrem/hr; annual calibration w/point source at 2 points/scale; readings within ±20%; calibrated by *NRC*/Agreement State licensee; checked before use) • *10 CFR 20.1301* surveys (when and where instrument survey performed, records for 3 years)	X			
ITEM 10 RADIATION SAFETY PROGRAM - TRANSPORTATION	The applicant is <u>not</u> required to submit a response to transportation section during the licensing process. However, this issue will be reviewed during inspection.	Need Not Be Submitted With Application			

ITEM NUMBER AND TITLE	SUGGESTED RESPONSE	APPLICANT'S RESPONSE			
		YES	NO	OTHER	
				YES	NO
ITEM 11 WASTE DISPOSAL - GAUGE DISPOSAL & TRANSFER	The applicant is <u>not</u> required to submit a response to waste management section during the licensing process. However, the licensee should develop, implement, and maintain gauge transfer and disposal procedures in its radiation safety program.	Need Not Be Submitted With Application			

Wayne County Dept. of Public Services
Testing & Inspection Office
N. Wayne Yard
33809 Michigan Avenue
Wayne, MI 48184-1738

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