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December 22, 2008

Licensing Assistance Team
 Division of Nuclear Materials Safety
 U.S. Nuclear Regulatory Commission, Region I
 475 Allendale Road
 King of Prussia, PA 19406-1415

L-Ø

Re: NRC Nuclear Density Gauge License Renewal
 License No. 45-25456-01

LL 31354
 03037921
 03121
 (19-31354-01)

2008 DEC 29 PM 12: 52

RECEIVED
 REGION I

03034887

To whom it may concern:

X

Enclosed please find two copies our application for material license renewal for operating and maintaining nuclear moisture/density gauges in NRC jurisdiction. Please note that Item 2 on the NRC Form 313 the mailing address has changed from our original application. We are using our Maryland address due to Virginia's agreement with the NRC. Our Virginia office location will be handling the new Virginia license and we will manage the NRC license from our Maryland office. Please note that our facilities for storing portable gauges has been approved and is active under our Maryland MDE nuclear gauge license.

Thank you for your assistance. Should you have any questions or require additional information, please call me directly at (410) 316-2311.

Sincerely,

David M. Keffer, P.E., CCM
 RSO

Enclosure

cc: Michael Todd, JMT Richmond

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72 Loveton Circle Sparks, Maryland 21152 Telephone (410) 329-3100 Fax (410) 472-2200 www.jmt.com

NMSS/RCM1 MATERIALS-002

ENGINEERING • PLANNING • ENVIRONMENTAL
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NRC FORM 313
(10-2005)
10 CFR 30, 32, 33,
34, 35, 36, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 10/31/2008

Estimated burden per response to comply with this mandatory collection request: 4.4 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@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NE0B-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 MATERIAL 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:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS
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, MISSISSIPPI, 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, 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
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TX 76011-4005

LL 31354
03037921
0312
(19-31354-01)

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 03034887
- C. RENEWAL OF LICENSE NUMBER 45-25456-01

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

JOHNSON, MIR MIRAN & THOMPSON
72 LOVETON CIRCLE
SPARKS, MD 21152

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

STORAGE LOCATED IN ITEM 2
AND TEMPORARY JOB SITES
WHERE NRC MAINTAINS
JURISDICTION

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

DAVID KEFFER
TELEPHONE NUMBER
410 316 2311

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 \$

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

DAVID KEFFER

SIGNATURE

[Signature]

DATE

12/22/08

FOR NRC USE ONLY

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

December 17, 2008

Item 5 and Item 6– RADIOACTIVE MATERIAL

Each approved sealed source shall contain the following:

Radioisotope	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: Troxler Drawing Number A102112 Device manufacturer or distributor and model number: Troxler Model 3400 Moisture / Density Gauge	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes [X] Specific description of the gauge use: Measure soil density	[X] Not applicable [] Uses are: (Submit safety analysis supporting safe use)
Americium-241	Sealed source manufacturer or distributor and model number: Troxler Drawing Number A102451 Device manufacturer or distributor and model number: Troxler Model 3400 Moisture / Density Gauge	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes [X] Specific description of the gauge use: Measure soil density	[X] Not applicable [] Uses are: (Submit safety analysis supporting safe use)

December 17, 2008

Item 7 – INDIVIDUAL RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE.

Item No. and Title	Response	Yes
7. Individual(s) Responsible for Radiation Safety Program and Their Training and Experience 7.1 Radiation Safety Officer (RSO) Name: David M. Keffer, P.E., CCM	The RSO has 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.	[X]
7. Individual(s) Responsible for Radiation Safety Program and Their Training and Experience 7.2 Authorized Users	PROPOSED AUTHORIZED USERS: 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.	[X]

Item 8 – TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS

Item No. and Title	Response	Yes
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.	X

Item 9 – FACILITIES AND EQUIPMENT

Item No. and Title	Response
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."

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Item 10 – RADIATION SAFETY PROGRAM

Item No. and Title	Response	Yes
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.	[x]

Material Receipt and Accountability

Item No. and Title	Response	Yes
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.	[x]

Occupational Dosimetry

Item No. and Title	Response	Yes
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.	[x]

Operating and Emergency Procedures

Item No. and Title	Response	Yes
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.	[x]

Leak Tests

Item No. and Title	Response	Yes
10. Radiation Safety Program - Leak Test	Leak tests will be performed at intervals approved by the NRC or an Agreement State and specified in the Sealed Source and Device Registration Certificate. 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.	[x]

U.S. NUCLEAR REGULATORY COMMISSION
APPLICATION RENEWAL FOR A RADIOACTIVE MATERIALS LICENSE
NRC OFFICE – REGION I
Johnson, Mirmiran & Thompson License No. 45-25456-01
Page 4 of 4

December 17, 2008

Maintenance

Item No. and Title	Response	Yes
10. Radiation Safety Program - Maintenance	ROUTINE MAINTENANCE We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions.	[x]
	NON-ROUTINE MAINTENANCE OPERATIONS 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.	

This is to acknowledge the receipt of your letter / application dated 12/22/2008
and to inform you that your letter / application will be transferred to the
State / Commonwealth of Virginia
~~for~~ technical review on [Signature], in conjunction with the State / Commonwealth
of Virginia becoming an Agreement State on
3/31/2009.

Any questions, please call the State / Commonwealth of
Virginia at 804-864-8168.

Your action has been assigned Mail Control Number 143215 (VA License)
When calling to inquire about this action, please refer to this control number. 143214 (NRC REG 19-31354-0)

Sincerely,
Licensing Assistance Team Leader