

Control # 577177

NRC FORM 313 (1-2012) 10 CFR 30, 32, 33, 34, 35, 36, 39, and 40		U.S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB: NO. 3150-0120		EXPIRES: (03/31/2012)	
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 Information 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 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 USLE, 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 1600 E. LAMAR BOULEVARD ARLINGTON, TX 76011-4511			
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) <input checked="" type="checkbox"/> A. NEW LICENSE <input type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER _____ <input type="checkbox"/> C. RENEWAL OF LICENSE NUMBER _____				2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code) 2981 Carrollton Rd Saginaw Mi. 48604			
3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED 4711 Veterans Memorial Hwy. Saginaw Mi. 48604 Also at temporary job sites anywhere in the U.S. where NRC maintains jurisdiction.				4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION Wes Guigay TELEPHONE NUMBER 984-737-3207			
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 170.3f) FEE CATEGORY 3P 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 Rip M. Kross Operations Manager				SIGNATURE Rip M. Kross		DATE 4/20/12	
FOR NRC USE ONLY							
TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS		
			\$				
APPROVED BY				DATE			

ITEMS 5 & 6. MATERIALS TO BE POSSESSED AND PROPOSED USES

Radioisotopes: Am-241:Be, Cs-137, and Ra-226:Be

Device manufacturer and models: Seaman Nuclear Corporation models C-300, C-200, and C-75. These are listed in the Sealed Source and Device Registry. For additional information see the enclosed page titled: "Devices and Sealed Source Details". 1 C-200 5 C-300 5 mci *6

Quantity: Not to exceed maximum activity per source as specified in Sealed Source and Device Registration Sheets.

Use: Measuring the physical properties of construction materials at temporary job sites as specified in Sealed Source and Device Registration Sheets.

Financial Assurance is Not Required. Quantities of material possessed will be less than limits specified in 10 CFR 30.35.

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

The current RSO is Wes Guigar.

" 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, 'Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Portable Gauge Licenses,' 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

We will use a minimum of two independent physical controls that form tangible barriers to secure portable gauges from unauthorized removal, whenever portable gauges are not under the control and constant surveillance of the licensee.

10.3 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, Rev. 1, 'Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Portable Gauge Licenses,' dated November 2001, in the event of an incident."

10.4 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.

10.5 RADIATION SAFETY PROGRAM - OCCUPATIONAL DOSIMETRY

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.

10.7 RADIATION SAFETY PROGRAM - OPERATING & 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.

10.8 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 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.

10.9 RADIATION SAFETY PROGRAM - MAINTENANCE ROUTINE CLEANING & LUBRICATION

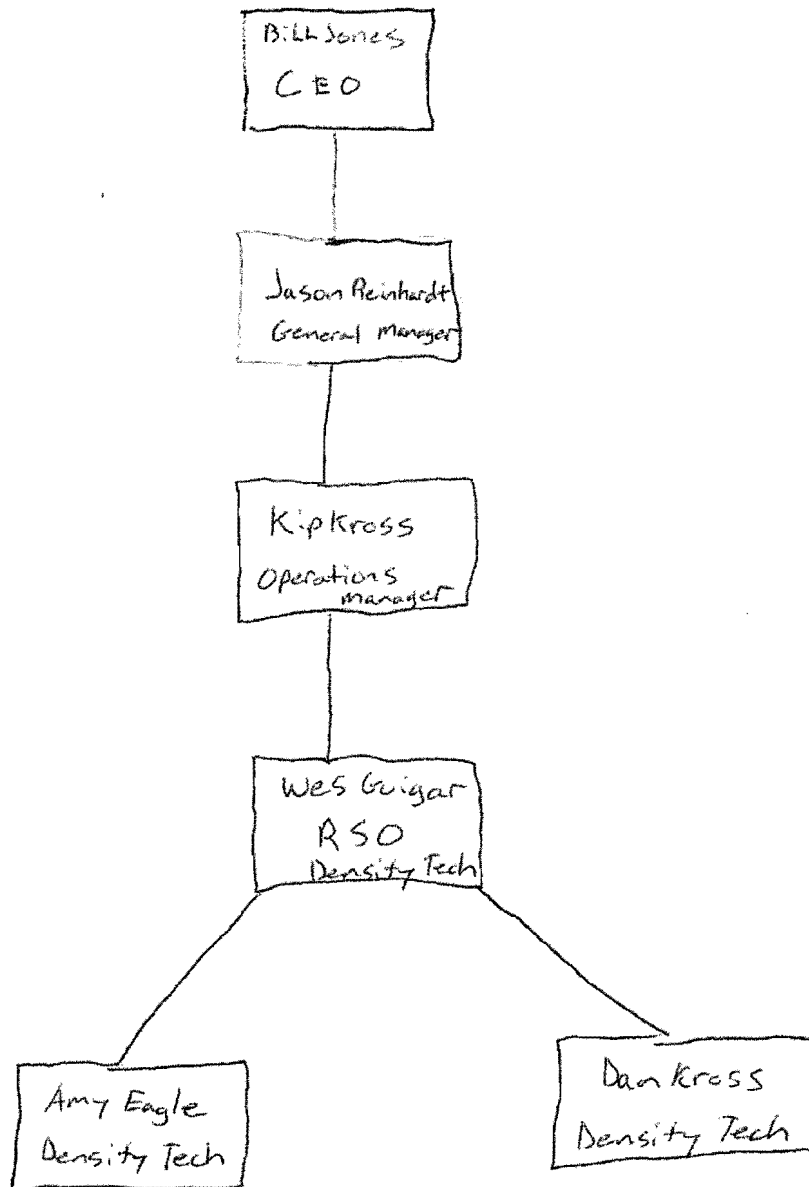
We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions.

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.

11. WASTE MANAGEMENT

No information needs to be submitted with the application to the NRC on this matter.



Supplemental information for license application

Source details for models 300 & 200, rev.4.

Isotope and maximum activity:

- Cesium-137, 10 mCi (370 MBq) for model C-300, 8 mCi (296 MBq) for model C-200.
- Americium-241:Beryllium, 50 mCi (1.85 GBq) for model C-300, 40 mCi (1480 MBq) for models C-200 an.

Gauge Manufacturer, Models, Registry:

- Seaman Nuclear Corporation, Portable Moisture Density Gauge Models C-200 and C-300, SSD Registry NR-587-D-104-S

Source Manufacturers and models for Gauge Models C-200 and C-300:

- Amersham Models: CDC.804, CDC.805, AMN.6002, AMN.Q1954
- Du Pont Merck: NER-550 (formerly New England Nuclear)
- 3M: 4P6M
- Nuclear Sources and Services: AN-HPG, AN-HP, GT-GHP

Additional Source Manufacturers and models for Gauge Model C-300:

- Amersham Models: AMN.PE5, AMN.V997, CDC.800
- Gammatron Models: AN-HP, GT-GHP
- Isotope Products Laboratory Model: HEG-137

Isotope and nominal activity:

- Radium-226:Beryllium, 4.5 mCi

Gauge Manufacturer and models:

- Seaman Nuclear Corporation, Portable Moisture Density Gauge Models C-300, SSD Registry NR-587-D-104-S
- Seaman Nuclear Corporation Portable Moisture Density Gauge Model C-200, Registry WI-587-D-107-S

Source Manufacturers and models/drawings for Gauge Models C-300, C-200:

- Radium Chemical Co., Drawing 21.94, SSD Registry NY-0763-S-109-S
- AEA, Model RAN.C1, SSD Registry MA-1059-S-878-S. (Formerly Amersham and product code RAN.W25 was listed as model.)

W. Guigar, Saginaw Asphalt Paving Co., Lic. No. Pending

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Attachment 1**Model Delegation of Authority:**

Memo To: Radiation Safety Officer
From: Chief Executive Officer
Subject: Delegation of Authority

You, Wes Guigar have been appointed Radiation Safety Officer and are responsible for ensuring the safe use of radiation. You are responsible for managing the Radiation Protection Program; identifying radiation protection problems; initiating, recommending, or providing corrective actions; verifying implementation of corrective actions; stopping unsafe activities; and ensuring compliance with regulations. You are hereby delegated the authority necessary to meet those responsibilities, including prohibiting the use of byproduct material by employees who do not meet the necessary requirements and shutting down operations where justified to maintain radiation safety. You are required to notify management if staff does not cooperate and does not address radiation safety issues. In addition, you are free to raise issues with the Nuclear Regulatory Commission at any time. It is estimated that you will spend 10 hours per week conducting radiation protection activities.

[Signature]
Signature of Management Representative

4/20/12
Date

I accept the above responsibilities,

[Signature]
Signature of Radiation Safety Officer

4-9-12
Date

cc: Affected department heads

CERTIFICATION OF RADIOLOGICAL , RSO, AND OPERATIONAL TRAINING

This will certify that on, **April 16, 2008**

Wes Guigar

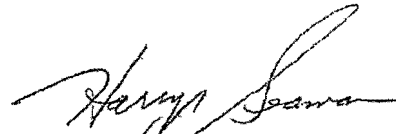
· successfully completed the factory training course for the use of Seaman Nuclear density/moisture content meters. Seminar content and the written examination covered: RSO requirements, radiological safety, regulatory requirements, theory and operation of nuclear meters, and initial HAZMAT training, encompassing regulations and the correct procedures involved in the transport of portable nuclear density/moisture meters.

This certificate further attests that the above named has received instruction in the procedures necessary for accurate compaction testing in soils and hot mix asphalt.

This Certificate Has Been Issued By
THE SEAMAN NUCLEAR CORPORATION
7315 South First Street
Oak Creek, WI 53154



SCOTT C. SEAMAN
President & R.S.O.



HARRY J. SEAMAN
Vice President & Instructor

Saginaw Asphalt Paving Co.

2981 CARROLLTON ROAD
SAGINAW, MICHIGAN 48604
TEL-(989) 755-8147 FAX-(989) 755-0426



April 20, 2012

To Whom It May Concern:

Senior Management agrees to give full responsibility of the RSO position to Wes Guigar and he recognizes the duties and responsibilities associated with the position. Wes is qualified in accordance with the guidance in NUREG 1556, Vol 1, Rev. 1, Section 8.7, Item 7: Individual(s) responsible for radiation safety program and their training and experience.

A handwritten signature in cursive script, appearing to read "Kip Kross", written over a horizontal line.

Kip Kross, Senior Management

A handwritten signature in cursive script, appearing to read "Wes Guigar", written over a horizontal line.

Wes Guigar, RSO

WE ARE AN EQUAL OPPORTUNITY EMPLOYER

The gauges currently in
our possession will not be
used and will remain
in secured storage until
a license has been issued.

Wes Guiger
Rso

Chip M. Frost