

March 19, 2012

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

Br. 3

2012 MAR 26 PM 12:24
RECEIVED
REGION 1

Re: Amendment to License 06-31393-01
Nuclear Density Gauges
GeoDesign, Inc.

To Whom It May Concern:

03038181

GeoDesign, Inc. plans to acquire an additional nuclear density gauge (Seamans Model C-300). We are submitting the attached to amendment to our license No. 06-31393-01. Additional amendments to our license are also summarized below.

AMENDMENT TO LICENSE

We propose to amend our license as follows:

Item #5: We propose to acquire a Seamans Model C-300 with a Cs-137/Am-241:Be source (Serial number 21011). The primary storage location would be our Connecticut facility. As is the case with our other gauges, it will be used temporarily at construction sites. Under this amendment, our sources and primary storage locations would be as follows:

Gauge Serial No.	Model No.	Isotope	Max Activity (mCi)	Primary Storage Location
Currently Registered Gauges				
A-768	C-200	Ra-226:Be	5.5	CT Office
A-886	C-200	Ra-226:Be	5.5	VT Office
21250	C-300	Ra-226:Be	5.5	VT Office
Gauge Proposed to Be Acquired				
21011	C-300	Cs-137 Am-241:Be	10 50	CT Office

Seaman Nuclear Corporation's "Sources Approved for Use in Portable Gauges – February 25, 2011" is attached for reference.



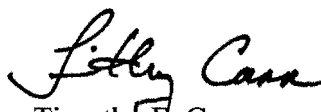
**Amendment to License 06-31393-01
Nuclear Density Gauges
March 19, 2012
Page No. 2**

Item #7: We propose to change our Radiation Safety Officer (RSO) from Marie Bartels, P.E. to Jacob Wimett, E.I.T.

Additional Information: Attached is a revised organizational chart of GeoDesign's personnel for Nuclear Gauge Compliance.

Sincerely,

GeoDesign, Inc.


Timothy H. Carr
Principal

Attachments: NRC Form 313: Application for Materials License
Addendum Sheet
Sources Approved for Use
GeoDesign Organizational Chart – Revise 3-2012

(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.

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 06-31393-01
- ☐ C. RENEWAL OF LICENSE NUMBER _____

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

GeoDesign, Inc.
984 Southford Road
Middlebury, CT 06762

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

GeoDesign (CT) GeoDesign (VT)
984 Southford Road 54 Main Street
Middlebury, CT 06762 Windsor, VT 05089
(and temporary jobsites in US where NRC has jurisdiction)

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Timothy Carr

TELEPHONE NUMBER

(203) 758-8836

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 **None** AMOUNT ENCLOSURE \$

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

Timothy Carr, Principal

SIGNATURE



DATE

03/19/2012

FOR NRC USE ONLY

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

AMENDMENT TO LICENSE No. 06-31393-01

Item 5: a) Radioisotopes: Ra-226:Be and Am-241:Be, Cs-137

b) The following devices are currently in our possession and/or proposed to be acquired:

Gauge Serial No.	Model No.	Isotope	Max Activity (mCi)	Primary Storage Location
Currently Registered Gauges				
A-768	C-200	Ra-226:Be	5.5	CT Office
A-886	C-200	Ra-226:Be	5.5	VT Office
21250	C-300	Ra-226:Be	5.5	VT Office
Gauge Proposed to Be Acquired				
21011	C-300	Cs-137 Am-241:Be	10 50	CT Office

Seaman Nuclear Corporation's "Sources Approved for Use in Portable Gauges – February 25, 2011" is attached for reference.

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

- Ra-226:Be 22 mCi
- Cs-137 10 mCi
- Am-241:Be 50 mCi

Item 7: We propose to change our Radiation Safety Officer (RSO) from Marie Bartels, P.E. to Jacob Wimett, EIT. Mr. Wimett has attended a portable gauge manufacturer's training course and 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.

Additional Information: Attached is a revised organizational chart of GeoDesign's personnel for Nuclear Gauge Compliance.

Additional Information

- An organizational chart is enclosed.

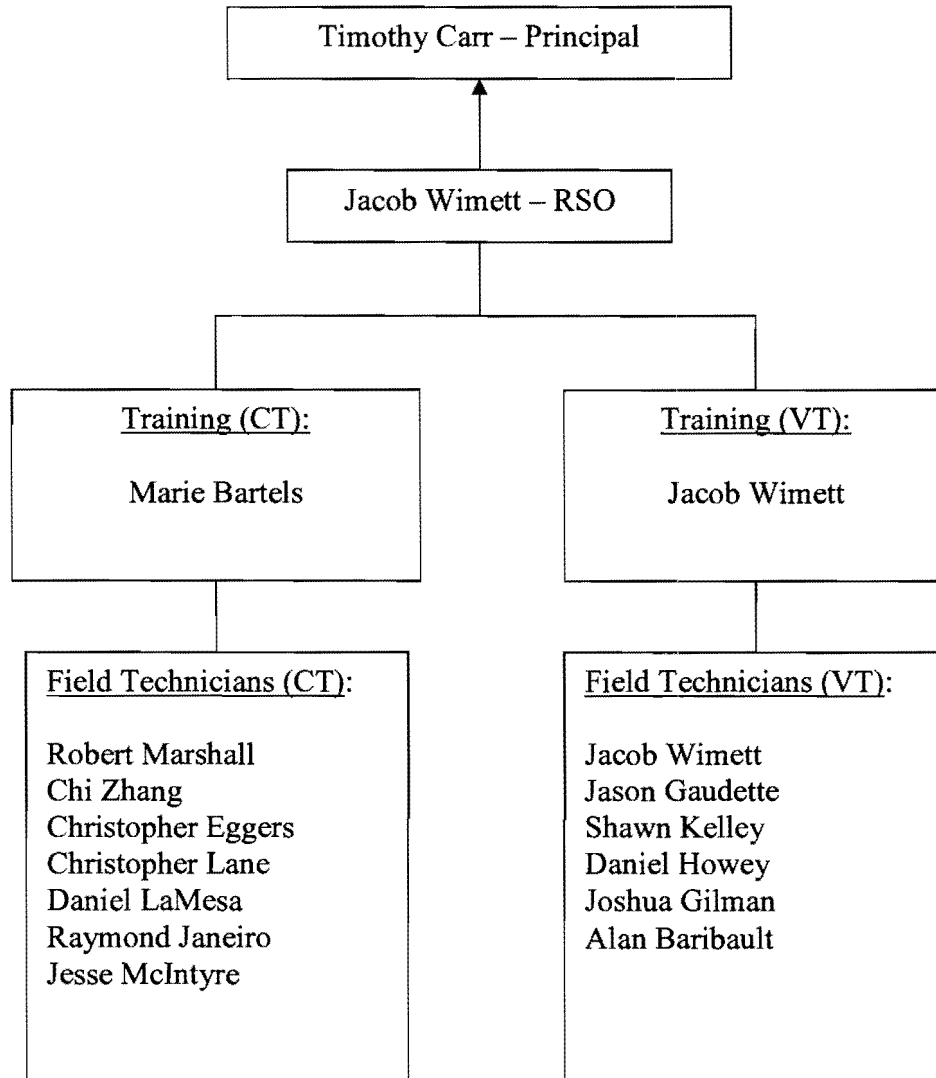
Seaman Nuclear Corporation
Sources Approved for Use in Portable Gauges - February 25, 2011

Gauge Model & Registry	Isotope	Source Manufacturer	Source Model	Activity
C-200 WI-587-D-107-S	Ra-226:Be	AEA (formerly Amersham, QSA Global) Radium Chemical Co.	RAN.C1 (aka RAN.W25) Drawing 21.94	4.5 mCi nominal - See note 1 4.5 mCi nominal - See note 1 below
C-200 NR-0587-D-104-S	Cs-137	AEA (formerly Amersham, QSA Global) Gammatron (aka Nuclear Sources & Services)	CDC.804, CDC.805 GT-GHP	10 mCi Max 10 mCi Max
	Am-241:Be	AEA (formerly Amersham, QSA Global) Gammatron (aka Nuclear Sources & Services)	AMN.Q1954, AMN.6002 AN-HP, AN-HPG	50 mCi Max 50 mCi Max
C -300 NR-0587-D-104-S	Ra-226:Be	AEA (formerly Amersham, QSA Global) Radium Chemical Co.	RAN.C1 (aka RAN.W25) Drawing 21.94	5.5 mCi Max 5.5 mCi Max
C -300 NR-0587-D-104-S	Cs-137	AEA (formerly Amersham, QSA Global) Gammatron Isotope Products Laboratory	CDC-800 GT-GHP HEG-137	10 mCi Max 10 mCi Max 10 mCi Max
	Am-241:Be	AEA (formerly Amersham, QSA Global) Gammatron Isotope Products Laboratory	AMN.PE5, AMN.V997 AN-HP AM1.N02	50 mCi Max 50 mCi Max 50 mCi Max

Note:

1. The cover sheet for registry WI-587-D-107-S is in error where it indicates the maximum activity. See the original registry, top of page 2, 4.5 mCi is the nominal activity. Actual maximum is 5.5 mCi, confer with NRC approval in NR-0587-D-104-S.

**GeoDesign Organizational Chart
Nuclear Gauge Compliance**



This is to acknowledge the receipt of your letter application dated

3/19/2012, and to inform you that the initial processing which includes an administrative review has been performed.

☒ Amendment 606-31393-01 There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

☐ Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 577215.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.