

Geo services
Materials Testing
Laboratory

Br. 3

Via Fax

July 16, 2013

License Assistance Team
Division of Nuclear Materials Safety
U.S. Nuclear Regulatory Commission
2100 Renaissance Blvd. Ste 100
King of Prussia, PA 19406-2713
Tel. (610) 337-5102 / Fax (610) 337-5269

Attention: Mr. Steven Courtemanche

Subject: **Geo Services & Engineering Corp License
No. 52-17662-02 Renewal**

03030421

Dear Mr. Courtemanche:

Please find enclosed the Material License renewal (52-17662-02) documents for the use and handling of radioactive materials for Geo Services & Engineering Corp.

- 1) NRC Form 313 with items 1 through 4 and certification. Please authorize the use at any temporary job site location within US territories. (1 page)
- 2) Appendix B –with Items 5 through 11 (2 pages)

If you need additional information, please feel free to contact me at (787) 743-6767. Thank you for your patient.

Sincerely,


Juan G. Muriel Rodriguez
President

Attachments

P.O. Box 4952 PMB 586 Caguas P.R. 00726
State Road PR-172 Km 1.2 Cañaboncito Ward Caguas, PR 00725
Tel: (787) 743-6767 & (787) 743-6770 / Fax (787) 743-6769
Email: geoservicespr@yahoo.com

REC'D IN LAT_ 7/16/13 via fax

581376
NMSS/RGN1 MATERIALS-002

REC RG 1 07 18 13 PM 12 30



**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. *AMENDMENTS/RENEWALS THAT INCREASE THE SCOPE OF THE EXISTING LICENSE TO A NEW OR HIGHER FEE CATEGORY WILL REQUIRE A FEE.

<p>APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:</p> <p>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</p> <p>ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:</p> <p>IF YOU ARE LOCATED IN:</p> <p>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,</p> <p>SEND APPLICATIONS TO:</p> <p>LICENSING ASSISTANCE TEAM DIVISION OF NUCLEAR MATERIALS SAFETY U.S. NUCLEAR REGULATORY COMMISSION, REGION I 2100 RENAISSANCE BOULEVARD, SUITE 100 KING OF PRUSSIA, PA 19406-2713</p>	<p>IF YOU ARE LOCATED IN:</p> <p>ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:</p> <p>MATERIALS LICENSING BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION III 2443 WARRENVILLE ROAD, SUITE 210 LISLE, IL 60532-4352</p> <p>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,</p> <p>SEND APPLICATIONS TO:</p> <p>NUCLEAR MATERIALS LICENSING BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION IV 1600 E. LAMAR BOULEVARD ARLINGTON, TX 76011-4511</p>
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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.

<p>1. THIS IS AN APPLICATION FOR <i>(Check appropriate item)</i></p> <p><input type="checkbox"/> A. NEW LICENSE</p> <p><input type="checkbox"/> B. AMENDMENT TO LICENSE NUMBER _____</p> <p><input checked="" type="checkbox"/> C. RENEWAL OF LICENSE NUMBER _____ <u>52-17662-02</u></p>	<p>2. NAME AND MAILING ADDRESS OF APPLICANT <i>(Include ZIP code)</i></p> <p>Geo Services & Engineering Corp. P.O Box 4952 PMB 586 Caguas, PR 00726-4952</p>
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<p>3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED</p> <p>Geo Services & Engineering Corp. State Road PR 172 Km 1.2 Caguas, PR 00725 (787) 743-6767 & 743-6770 Fax: (787) 743-6769</p>	<p>4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION</p> <p>Juan G. Muriel Rodriguez</p> <table border="1"> <tr> <td>BUSINESS TELEPHONE NUMBER</td> <td>BUSINESS CELLULAR TELEPHONE NUMBER</td> </tr> <tr> <td>(787) 743-6767</td> <td>(939) 640-6352</td> </tr> </table> <p>BUSINESS EMAIL ADDRESS</p> <p>geoservicespr@yahoo.com</p>	BUSINESS TELEPHONE NUMBER	BUSINESS CELLULAR TELEPHONE NUMBER	(787) 743-6767	(939) 640-6352
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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.

<p>5. RADIOACTIVE MATERIAL</p> <p>a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.</p>	<p>6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.</p>
<p>8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.</p>	<p>7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.</p>
<p>10. RADIATION SAFETY PROGRAM.</p>	<p>9. FACILITIES AND EQUIPMENT.</p>
<p>11. WASTE MANAGEMENT.</p>	<p>11. WASTE MANAGEMENT.</p>

<p>12. LICENSE FEES <i>(Fees required only for new applications, with few exceptions*)</i> <i>(See 10 CFR 170 and Section 170.31)</i></p>	<p>FEE CATEGORY <input type="text"/> AMOUNT ENCLOSED \$ <input type="text"/></p>
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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.

<p>CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE</p> <p>Juan G. Muriel Rodriguez - President</p>	<p>SIGNATURE</p>	<p>DATE</p> <p>7/16/2013</p>
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FOR NRC USE ONLY

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

Appendix B

The following is based on Portable Gauge Licenses, NUREG 1556 Vol. 1, November, 2001.

Item 5: Radioactive Material:

- a. Element and mass number
- b. Chemical and/or physical form, and
- c. Maximum amount which will be possessed at any time

Element and mass number	Chemical and/or physical form	Maximum amount which will be possessed at any time
Cs-137	Sealed sources (CPN Model CPN 131: MC-1 and MC-1DR) Four (4) units MC-1DR and three (3) units MC-1	Not to exceed the maximum activity per device as specified in Sealed Source and Registration Certificate. Max. 90 mCi
Am-241	Sealed sources (CPN Model CPN 131: MC-1 and MC-1DR) Four (4) units MC-1DR and three (3) units MC-1	Not to exceed the maximum activity per device as specified in Sealed Source and Registration Certificate. Max. 450 mCi
Ra-226	Sealed sources (Radium Chemical Company Model RAN W-25 Device) One (1) unit Seaman Nuclear Corp Model: C-200	Not to exceed the maximum activity per device as specified in Sealed Source and Registration Certificate. Max. 4.5 mCi

Item No. and Title	Response
6. Purpose(s) for which licensed material will be used.	Gages are only used to measure soils and/or asphalt physical properties (density and moisture content).
7. Individual(s) responsible for the radiation safety program and their training and experience.	Mr. Wilfredo Sanchez Flores, our RSO, has been RSO since April, 1999 (from 2005 to present in Geo Services & Engineering Corp). Mr. Sanchez-Flores had successfully completed course on Radiation Safety Officer and on Nuclear Gauge Certification, Security for Hazardous Materials and Hazmat
8. Training for individuals working in or frequenting restricted areas.	All soil technicians had successfully completed the training course on radiation safety and use of nuclear gages (in charge of a Registered Radiation Consultant) and had been supervised during their field training. Last date of course – June 30, 2012.
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."
10. Radiation Safety Program – Audit Program.	The applicant is not required to, and should not submit its audit program to NRC for review during the licensing phase.
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 when the licensee ceases operation, NRC Form 314 must be submitted.
10. Radiation Safety Program – Survey Instrument.	We possess and uses 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.
10. Radiation Safety Program – Material Receipt and Accountability.	Physical inventories are conducted at intervals not to exceed 6 months, to account for all sealed sources and devices possessed under the license. Daily record is kept of gages location and technician assigned to them.
10. Radiation Safety Program – Occupational Dosimetry.	All authorized personnel use dosimeters by an NVLAP approved processor that is exchanged quarterly (frequency recommended by the processor). Records are kept updated.
10. Radiation Safety Program – Public Dose.	The applicant is not required to submit a response to the public dose section during the licensing phase. This matter will be examined during an inspection.
10. Radiation Safety Program – Operating and Emergency Procedures.	Operating and emergency procedures are developed, implemented, and maintained through direct supervision, meetings discussing NRC Regulatory Issues.
10. Radiation Safety Program – Leak Test.	Leak tests are performed twice a year using a leak test kit supplied by an organization authorized by NRC or Agreement State to provide leak tests kits to other licensees and according to the kit supplier's instructions.
10. Radiation Safety Program – Maintenance.	Gauges are routinely cleaned and lubricated by its assigned user according to the manufacturer recommendations and instructions. We send the gauge to the manufacturer or other person authorized by the 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.
10. Radiation Safety Program – Transportation.	The applicant is not required to submit a response to transportation during the licensing process. However, this issue will be reviewed during an inspection.
11. Waste Management – Gauge Disposal and Transfer.	The applicant is not required to submit a response to waste management during the licensing process. However, the licensee should develop, implement, and maintain gauge transfer and disposal procedures in its radiation protection program.

This is to acknowledge the receipt of your letter/application dated

7/11/13, and to inform you that the initial processing which includes an administrative review has been performed.

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** 581376.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI)
(6-96)

Sincerely,
Licensing Assistance Team Leader