Sierra Geotechnical Group

Geotechnical Consultant ° Concrete and Construction Material Testing

July 10, 2012

Br 3

03038446

US Nuclear Regulatory Commission
Region I, 475 Allendale Road
King Prussia, Pennsylvania 19406-1415

2012 JUL 24 10:27am

RECEIVED
REGION 1

Re: No required NRC License due to closing operations

Attn; Dr. Sattar Lodghi
NRC Inspector

As required we proceeded to sell our equipment to another license corporation. We are submitting required information for finalizing this procedure. Equipment was sell to Jaca & Sierra Testing Labs License # 52-19064-01. Sierra Geotechnical Group Inc. has license # 52-31439-01 but at the present not required since we don't have any equipment regulated by the NRC. Nevertheless leak test was performed and no result was been obtain at the present. We are waiting for the results.

Also an invoice was submitted but we understand that it will not apply.

Nevertheless we are submitting the available information.

If any doubt rises please notified the subscriber.

Respectfully submitted,
Sierra Geotechnical Group Inc.

Carlos R Sierra, P.E.
President

577987

NMSS/RGN1 MATERIALS-002

U.S.NRC

United States Nuclear Regulatory Commission

Protecting People and the Environment

Fiscal Year: **10/01/2011 - 09/30/2012**

Quarter Period: **10/01/2011 - 09/30/2012**

Vendor:

SIERRA GEOTECHNICAL GROUP, INC.

P.O. BOX 1570
TRUJILLO ALTO, PR 00977-1570

Remit To:

Office of the Chief Financial Officer

U.S. Nuclear Regulatory Commission
P.O. Box 979051
St. Louis, MO 63197

Invoices for Period:

Invoice Number	Date	Due Date	Amount	Docket
LFB 12-4032	May 1, 2012	May 31, 2012	$4,800.00	03038446

If there are any questions, contact (301) 415-7554. For NRC debt collection procedures, including interest and penalty provisions, see 31 U.S.C. 3717,4 CFR 101-105, AND 10 CFR 15. Additional terms and conditions are attached.

Make checks payable to The U.S. Nuclear Regulatory Commission. Interest will accrue from the invoice date at an annual rate of 1%. Interest will be waived if payment is received by the due date. Please reference the invoice number on the remittance.

NRC FORM 314 (05-2012) 10 CFR 30.36(j)(1); 40.42(j)(1); 70.38(j)(1); and 72.54(k)(5)(1)(1)

U.S. NUCLEAR REGULATORY COMMISSION

CERTIFICATE OF DISPOSITION OF MATERIALS

APPROVED BY OMB: NO. 3150-0028 **EXPIRES: 10/31/2013**

Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. 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, (3150-0028), 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.

LICENSEE NAME AND ADDRESS	LICENSE NUMBER	DOCKET NUMBER
Sienna Geotechnical Group Inc P.O. Box 1570 Trujillo Alto PR. 00977-1570	52-31439-01	030-38446
	LICENSE EXPIRATION DATE May 31, 2021	

A. LICENSE STATUS (Check the appropriate box)

☐ This license has expired. ☒ This license has not yet expired; please terminate it.

B. DISPOSAL OF RADIOACTIVE MATERIAL

(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)

The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

☐ 1. No radioactive materials have ever been procured or possessed by the licensee under this license.

☑ 2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner.

☑ a. Transfer of radioactive materials to the licensee listed below:
Jaca E Sienna Testing Lab: TRANSFER date on June 26, 2012: contact Carlos Sienna
Lic # 52-19064-01

☐ b. Disposal of radioactive materials:

☐ 1. Directly by the licensee:

☐ 2. By licensed disposal site:

☐ 3. By waste contractor:

☐ c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

C. SURVEYS PERFORMED AND REPORTED

☐ 1. A radiation survey was conducted by the licensee. The survey confirms:

☐ a. the absence of licensed radioactive materials

☐ b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.

☐ 2. A copy of the radiation survey results:

☐ a. is attached; or ☐ b. is not attached (Provide explanation); or ☐ c. was forwarded to NRC on: _____ Date

☑ 3. A radiation survey is not required as only sealed sources were ever possessed under this license, and

☐ a. The results of the latest leak test are attached; and/or In Crosses ☑ b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form:

NAME	TITLE	TELEPHONE *(Include Area Code)*	E-MAIL ADDRESS
Carlos R Sienna		(787)470-2300	siennacarlos@yahoo.com

Mail all future correspondence regarding this license to:
P.O. Box 1570, Trujillo Alto PR. 00977-1570

C. CERTIFYING OFFICIAL

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE	SIGNATURE	DATE
Carlos R Sienna President		10/July 2012

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. 18 U.S.C. SECTION 1001 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.

JACA & SIERRA
Testing Laboratories, Inc.
Geotechnical Engineers

June 26, 2012

Sierra Geotechnical Group, Inc.
PO Box 2439
Guaynabo, PR 00970-2439
Attention: Eng. Carlos R. Sierra, PE, RSO

RE: License # 52-19064-01, C-300 nuclear gauges.

Gentlemen,

We have purchased from Sierra Geotechnical Group, Inc., License Number **52-31439-01**, four (4) nuclear gauges. The gauges are manufactured by **Seaman Nuclear**; the model number is **C-300**; and its source is **Radium 226.** The serial numbers for said gauges are: **21194, 21272, 21206** and **21192**. Our license number with the NRC is **52-19064-01**.

If any doubt arises please contact us, thank you.

Respectfully submitted,
JACA & SIERRA TESTING LABORATORIES

Carlos Sierra Del Llano. MSCE, PE
President, Radiation Safety Officer

PO Box 363116, San Juan, PR 00936-3116
Road 850 Km 0.2 Las Cuevas Ward, Trujillo Alto, PR 00976
☎ 787-761-2570 787-748-6970 www.jacasierra.com

U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 08

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee	
1. Jaca & Sierra Testing Laboratories, Inc.	In accordance with the letter dated May 21, 2012, 3. License number 52-19064-01 is amended in its entirety to read as follows:
2. P. O. Box 363116 San Juan, Puerto Rico 00936	4. Expiration date April 30, 2021 5. Docket No. 030-18917 Reference No.

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Cesium 137	A. Sealed Sources (CPN International Model CPN-131)	A. 200 millicuries total and no single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear regulatory Commission or an Agreement State
B. Radium 226	B. Sealed Sources (AEA Technology Models CDC.800, AMN.PE5, AMN.V997, RAN.C1; Gammatron Models GT-GHP, AN-HP; Isotopes Product Laboratories Models HEG-137, AM1.NO2; and Radium Chemical Company Drawing 21.94)	B. 27.5 millicuries total and no single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State
C. Americium 241	C. Sealed Sources (CPN International Model CPN-131)	C. 1000 millicuries total and no single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear regulatory Commission or an Agreement State

MATERIALS LICENSE SUPPLEMENTARY SHEET

License Number
52-19064-01

Docket or Reference Number
030-18917

Amendment No. 08

9. Authorized use:

A. and C. In CPN International Model MC Series portable gauging devices for measuring physical properties of materials.

B. In Seaman Nuclear Corporation Model C-300 Series portable gauging devices for measuring physical properties of materials.

CONDITIONS

10. Licensed material may be used or stored at the licensee's facilities located at Carr 850, Km 0.2, Las Cuevas Ward, Trujillo Alto, Puerto Rico, and may be used at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material, including areas of exclusive Federal jurisdiction within Agreement States.

    If the jurisdiction status of a Federal facility within an Agreement State is unknown, the licensee should contact the Federal agency controlling the job site in question to determine whether the proposed job site is an area of exclusive Federal jurisdiction. Authorization for use of radioactive materials at job sites in Agreement States not under exclusive Federal jurisdiction shall be obtained from the appropriate state regulatory agency.

11. Licensed material shall be used by, or under the supervision of, individuals who have received the training described in the application dated April 7, 2011, and have been designated, in writing, by the Radiation Safety Officer. The licensee shall maintain records of individuals designated as users for 3 years following the last use of licensed material by the individual.

12. The Radiation Safety Officer for this license is Carlos R. Sierra.

13. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed six months or at the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State.

    B. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.

MATERIALS LICENSE SUPPLEMENTARY SHEET

License Number
52-19064-01

Docket or Reference Number
030-18917

Amendment No. 08

C. Sealed sources need not be tested if they are in storage and are not being used; however, when they are removed from storage for use or transferred to another person and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

D. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.

E. Tests for leakage and/or contamination, limited to leak test sample collection, shall be performed by the licensee or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services. The licensee is not authorized to perform the analysis; analysis of leak test samples must be performed by persons specifically licensed by U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.

F. Records of leak test results shall be kept in units of microcuries and shall be maintained for 5 years.

14. Sealed sources or source rods containing licensed material shall not be opened or sources removed or detached from source rods or gauges by the licensee, except as specifically authorized.

15. The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.

16. Each portable nuclear gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport or storage, or when not under the direct surveillance of an authorized user.

17. Any cleaning, maintenance, or repair of the gauges that requires detaching the source or source rod from the gauge shall be performed only by the manufacturer or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.

18. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

MATERIALS LICENSE SUPPLEMENTARY SHEET

License Number
52-19064-01

Docket or Reference Number
030-18917

Amendment No. 08

19. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

    A. Application dated April 7, 2011 (ML110970424)

For the U.S. Nuclear Regulatory Commission

Date June 18, 2012 By

Michael Reichard
Materials Security and Industrial Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406
Monday, June 18, 2012 15:12:23

U.S. NUCLEAR REGULATORY COMMISSION

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee	
1. Sierra Geotechnical Group, Inc.	3. License number 52-31439-01
2. P.O. Box 1570 Trujillo Alto, Puerto Rico 00977-1570	4. Expiration date May 31, 2021
	5. Docket No. 030-38446 Reference No.

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Radium 226	A. Sealed Sources (QSA Global Model RAN.C1; Radium Chemical Co. DWG. 21.94)	A. 22 millicuries total and no single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear regulatory Commission or an Agreement State

9. Authorized use:

A. In Seaman Nuclear Corporation Model C-300 portable gauging devices for measuring physical properties of materials.

CONDITIONS

10. Licensed material may be used or stored at the licensee's facilities located at Carr. 181 Km. 8.3, Bo. La Gloria, Trujillo Alto, Puerto Rico, and may be used at temporary job sites of the licensee anywhere in the United States where the U.S. Nuclear Regulatory Commission maintains jurisdiction for regulating the use of licensed material, including areas of exclusive Federal jurisdiction within Agreement States.

    If the jurisdiction status of a Federal facility within an Agreement State is unknown, the licensee should contact the Federal agency controlling the job site in question to determine whether the proposed job site is an area of exclusive Federal jurisdiction. Authorization for use of radioactive materials at job sites in Agreement States not under exclusive Federal jurisdiction shall be obtained from the appropriate state regulatory agency.

License Number
52-31439-01

Docket or Reference Number
030-38446

MATERIALS LICENSE SUPPLEMENTARY SHEET

11. Licensed material shall be used by, or under the supervision of, individuals who have received the training described in the application dated May 3, 2011, and have been designated, in writing, by the Radiation Safety Officer. The licensee shall maintain records of individuals designated as users for 3 years following the last use of licensed material by the individual.

12. The Radiation Safety Officer for this license is José J. Diaz.

13. A. Sealed sources shall be tested for leakage and/or contamination at the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State.

    B. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.

    C. Sealed sources need not be tested if they are in storage and are not being used; however, when they are removed from storage for use or transferred to another person and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

    D. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.

    E. Tests for leakage and/or contamination, limited to leak test sample collection, shall be performed by the licensee or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services. The licensee is not authorized to perform the analysis; analysis of leak test samples must be performed by persons specifically licensed by U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.

    F. Records of leak test results shall be kept in units of microcuries and shall be maintained for 5 years.

14. Sealed sources or source rods containing licensed material shall not be opened or sources removed or detached from source rods or gauges by the licensee, except as specifically authorized.

MATERIALS LICENSE SUPPLEMENTARY SHEET

License Number
52-31439-01

Docket or Reference Number
030-38446

15. The licensee shall conduct a physical inventory every six months, or at other intervals approved by the U.S. Nuclear Regulatory Commission, to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 5 years from the date of each inventory and shall include the radionuclides, quantities, manufacturer's name and model numbers, and the date of the inventory.

16. Each portable nuclear gauge shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The gauge or its container must be locked when in transport or storage, or when not under the direct surveillance of an authorized user.

17. Any cleaning, maintenance, or repair of the gauges that requires detaching the source or source rod from the gauge shall be performed only by the manufacturer or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.

18. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

19. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

    A. Application dated May 3, 2011 (ML111250440)

For the U.S. Nuclear Regulatory Commission

Date May 11, 2011

By ***Original signed by Sattar Lodhi, Ph.D.***

Sattar Lodhi, Ph.D.
Materials Security and Industrial Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406
Wednesday, May 11, 2011 08:44:05

Sierra Geotec[illegible] Group Inc
PO Box 1570
Trujillo Alto, PR, 00977-1570

CERTIFIED MAIL

7010 0290 0000 5538 7993

UNITED STATES POSTAL SERVICE

1000

63197

U.S. POSTAGE
PAID
TRUJILLO ALTO,PR
00976
JUL 11, '12
AMOUNT
$6.60
00091445-02

Office of the Chief Financial Officer

U.S. Nuclear Regulatory Commission
P.O. Box 979051
St. Louis, MO 63197

Check Rejection Notice

Date 7-16-12

This check is being returned for the following reason:

- ☐ Signature
- ☐ Post Dated
- ☐ Stale Date
- ☐ Paid in Full
- ☐ Payee
- ☐ Guarantee Amount
- ☒ No Check
- ☐ Other_____

I.D. No. 801

forwarded to RI

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

OFFICIAL BUSINESS

Sattar Lodhi, Ph.D
Region 1

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

7-10-12, and to inform you that the initial processing which includes an administrative review has been performed.

Termination: 52-31439-01

☑ 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** 577987.
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