GME

GME TESTING

transmittal letter

To: Mr. Loren Hueter

Fax: 630. 515. 1259
Tel: 630 829. 9829

Firm: Materials Licensing Section-NRC

From: Rami Anabtawi, RSO

Pages: 11

Re: Request for 2nd Amendment of License

Date: 9/11/06

☐Urgent ☑ For Approval ☑ For Your Use ☐Please Reply ☑ As Requested

Comments:

Loren,

Please review the requested, attached information. We have completed our move from 3913 Merchant Road in Fort Wayne, IN to 3517 Focus Drive in fort Wayne, IN

Thanks.

Sincerely.
Geotechnical and Materials Engineers, Inc. (dba GME Testing)

Rami M. Anabtawi, RSO

A 13-32182-01
030-35089

A

• SITE EXPLORATION • CONSTRUCTION AND LABORATORY MATERIALS TESTING • SOILS & FOUNDATION ENGINEERING • CONSULTING •

3913 MERCHANT ROAD, FORT WAYNE, IN 46818

(260) 497-8127 • Fax: (260) 497-0826 • E-Mail: info@gmetesting.com

315704

GME
GME TESTING

3517 FOCUS DRIVE ▪ P.O. BOX 8358 ▪ FORT WAYNE, INDIANA 46898

TEL: (260) 497-8127 ▪ 877-660-4GME ▪ FAX: (260) 497-0826

September 8, 2006

ATTN: MR. LOREN HUETER
MATERIALS LICENSING SECTION
US NUCLEAR REGULATORY COMMISSION, REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

Ref : FOLLOW-UP AMENDMENT REQUEST TO CHANGE MAILING ADDRESS

LICENSE NO.: 13-32182-01
DOCKET NO. 030-35029

Dear Mr. Hueter:

We wish to express our thanks to you for your prompt reply of your August 31, 2006 request for amendment to the new storage and license address.

In compliance with your request, we are respectfully requesting a deletion of our former location of use at 3913 Merchant Road, Fort Wayne, Indiana 46818 and to request a final change to our new storage location and mailing address of our license. As of September 1, 2006, **our new physical address is 3517 Focus Drive-Fort Wayne, Indiana 46818**. Our mailing address is **3517 Focus Drive-P.O. Box 8358-Fort Wayne, Indiana 46898-8358**.

We would appreciate reviewing the above and notifying us with your decision at your earliest.

Sincerely,
GEOTECHNICAL AND MATERIALS ENGINEERS, INC. (dba GME Testing)

Rami M. Anabtawi, P.E.
Principal Engineer

Attachments:

1. NRC Letter dated August 31, 2006
2. Our License Copy

Pacific Nuclear Technology
2525 West 10th Street
Antioch, CA 94509
925-706-8300
925-706-8396 Fax

REPORT OF LEAK TEST

GEOTECHNICAL & MAT. ENGR. INC
RAMI ANABTAWI **(DBA GME TESTING)**
3913 MERCHANT RD
FT WAYNE IN 46818

Model Number: 3430

Serial Number: T343 30091

Isotope:			
	Cs-137	8	mCi
	Am-241	40	mCi
			mCi

Date of Test: 5/12/2006

The sample identified above was submitted for leak test analysis.

Analysis Date: 5/23/2006 Analysis Number: K10931

Results: REMOVABLE CONTAMINATION: NIL microcurie

NOTE: The US Nuclear Regulatory Commission and the Agreement States require that the analysis of the wipe from a sealed source must be capable of detecting the presence of 0.005 microcurie (185 Bq) on the sample. The count on the wipe was below a Lower Limit of Detection of 0.0001 microcurie (3.7 Bq). The source is not considered leaking. This report should be retained for viewing by regulatory agencies.

Signed _____
Office of Radiation Safety
Calif. RM License No. 5634-07

Pacific Nuclear Technology
2525 West 10th Street
Antioch, CA 94509
925-706-8300
925-706-8396 Fax

REPORT OF LEAK TEST

GEOTECHNICAL & MAT. ENGR. INC
RAMI ANABTAWI **(DBA GME TESTING)**
3913 MERCHANT RD
FT WAYNE IN 46818

Model Number: 3430

Serial Number: T343 31463

Isotope:			
	Cs-137	8	mCi
	Am-241	40	mCi
			mCi

Date of Test: 5/12/2006

The sample identified above was submitted for leak test analysis.

Analysis Date: 5/23/2006 Analysis Number: K10932

Results: REMOVABLE CONTAMINATION: NIL microcurie

NOTE: The US Nuclear Regulatory Commission and the Agreement States require that the analysis of the wipe from a sealed source must be capable of detecting the presence of 0.005 microcurie (185 Bq) on the sample. The count on the wipe was below a Lower Limit of Detection of 0.0001 microcurie (3.7 Bq). The source is not considered leaking. This report should be retained for viewing by regulatory agencies.

Signed _____
Office of Radiation Safety
Calif. RM License No. 5634-07

Troxler Electronic Laboratories, Inc.
3008 Cornwallis Rd., P.O. Box 12057
Research Triangle Park, NC 27709
Tel: (877) 876-9537 Fax: (919) 485-2250
License: NC 032-0182-1

LEAK TEST CERTIFICATE

DEVICE:

Model: 3440 Serial No: 19228

SEALED SOURCES:

SERIAL NO.	MEASURE DATE	NUCLIDE	ACTIVITY (GBq)	ACTIVITY (mCi)
50-8879	04/10/1990	CS-137	0.296	8
47-14697	06/11/1990	AM-241:BE	1.48	40

LEAK TEST ANALYSIS:

Sample collected on: 11/01/2005

Sample analyzed on: 11/02/2005 at 8:27:00 AM

Analyzed by: C. Ekwuribe

	ALPHA	BETA-GAMMA
Conversion factor (cpm/Bq)	1.30E+01	2.02E+01
Background measurement (cpm)	0	25
Sample measurement (cpm)	0	29
Activity (Bq)	< MDA	< MDA
Min. Detectable Activity (Bq)	4.3E-01	1.3E+00

This certifies that the above leak test results are:

☑ Less than 185 Bq (0.005 uCi) ☐ Greater than 185 Bq (0.005 uCi)

If greater than 185 Bq (0.005 uCi):

Person Notified _____ Date _____

Phone _____ and/or Fax _____

UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
2443 WARRENVILLE ROAD STE 210
LISLE, ILLINOIS 60532-4352

AUG 3 1 2006

Rami M. Anabtawi, P.E.
Radiation Safety Officer
Geotechnical & Materials Engineers, Inc.
3913 Merchant Road
P.O. Box 8358
Fort Wayne, IN 46818-8358

Dear Mr. Anabtawi:

Enclosed is Amendment No. 04 to your NRC Material License No. 13-32182-01, in accordance with your request. Please note that the changes made to your license are printed in **bold** font. Also, please note, as per our telephone conversation on August 30, 2006, that while we were able to amend Condition 10 of your license at this time, to authorize use of the new storage location at 3517 Focus Drive, Fort Wayne, Indiana, we could not, however, delete from the license the existing storage location at 3913 Merchant Road in Fort Wayne and authorize its release for unrestricted use. This can not be done until after all licensed material has been removed from that facility and confirmed to us in writing along with copies of current leak test records of the sources transferred which show their non-leaking status and written confirmation that no leaking sealed sources were ever possessed or used (if in fact it be so) at the facility located at 3913 Merchant Road in Fort Wayne.

You should also at that time address any changes in mailing address and/or telephone number, if needed.

Please note that this amendment also incorporates the total possession limits for each radionuclide as was discussed and agreed upon in our telephone conversation on August 30, 2006 in accord with NRC policy in support of security issues, and also includes some minor modifications to License Condition 13.D., involving leak test criteria, in accord with our current standard conditions.

Please review the enclosed document carefully. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

Please note that License Condition 18, which addresses security criteria for portable nuclear gauges, has been modified in its entirety to incorporate additional security measures. These security measures are based on revisions to 10 CFR Part 30, by the addition of paragraph 30.34(i), "Security requirements for portable gauges," as published in the Federal Register on January 12, 2005, with an effective date of July 11, 2005. The final rule requires a portable gauge licensee to use a minimum to two independent physical controls that form tangible barriers to secure portable gauges from unauthorized removal whenever the portable gauges are not under the control and constant surveillance of the licensee. You should have previously

received a copy of this regulatory requirement by mail. This mailing included a revised copy of Appendix H, "Operating, Emergency, and Security Procedures," of NUREG 1556 Volume 1, Revision 1, Consolidated Guidance About Materials Licenses; Program-Specific Guidance About Portable Gauge Licenses, dated November 2001, which incorporates these changes.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). The NRC's document system is accessible from the NRC Web site at http://www.nrc.gov/reading-rm/adams.html (the Public Electronic Reading Room).

Sincerely,

Loren J. Hueter

Loren J. Hueter
Materials Licensing Branch

License No. 13-32182-01
Docket No. 030-35029

Enclosure: Amendment No. 04

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Amendment No. 04

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	In accordance with the letter dated **July 28, 2006,**
1. Geotechnical & Materials Engineers, Inc. 3913 Merchant Road **P.O. Box 8358** 2. Fort Wayne, IN 46818-**8358**	3. License number 13-32182-01 is amended in its entirety to read as follows: 4. Expiration date May 31, 2009 5. Docket No. 030-35029 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 source (Amersham Model No. CDCW556 or Isotope Products Model No. HEG-00560)	A. No single source to exceed the maximum activity specified in the certificate of registration issued by NRC or an Agreement State, **total possession limit of 50 millicuries.**
B. Americium-241	B. Sealed source (Amersham Model No. AMNV.997 or Isotope Products Model Nos. 3021 or 3027)	B. No single source to exceed the maximum activity specified in the certificate of registration issued by NRC or an Agreement State **total possession limit of 250 millicuries.**

9. Authorized use

A. and B. To be used in Troxler Model 3400 Series portable gauges for measuring physical properties of materials.

CONDITIONS

10. Licensed material may be used or stored at the licensee's facilities located at 3913 Merchant Road, Fort Wayne, Indiana, **and 3517 Focus Drive, Fort Wayne, Indiana,** 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.

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		Amendment No. 04

11. A. The Radiation Safety Officer (RSO) for this license is Rami M. Anabtawi, P.E.

    B. Before assuming the duties and responsibilities as RSO for this license, future RSOs shall have successfully completed one of the training courses described in Criteria in Section 8.8 of NUREG-1556, Volume 1, dated May 1997.

12. Licensed material shall only be used by, or under the supervision and in the physical presence of, individuals who have received the training described in application dated April 29, 1999 and facsimile dated May 11, 1999.

13. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed the intervals specified in the certificate of registration issued by NRC under 10 CFR 32.210 or by 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 NRC under 10 CFR 32.210 or by an Agreement State prior to the transfer, a sealed source or detector cell received from another person shall not be put into use until tested.

    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 shall be performed by persons specifically licensed by the Commission or an Agreement State to perform such services. In addition, the licensee is authorized to collect leak test samples but not perform the analysis: analysis of leak samples must be performed by persons specifically licensed by the Commission or an Agreement State to perform such services.

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.

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15. Except for maintaining labeling as required by 10 CFR Part 20 or 71, the licensee shall obtain authorization from NRC before making any changes in the sealed source, device, or source-device combination that would alter the description or specifications as indicated in the respective Certificates of Registration issued either by the Commission pursuant to 10 CFR 32.210 or by an Agreement State.

16. The licensee shall conduct a physical inventory every 6 months, or at other intervals approved by NRC, to account for all sources and/or devices received and possessed under the license.

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

18. Each portable 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. **A minimum of two independent physical controls that form tangible barriers to secure portable gauges from unauthorized removal whenever the portable gauge is not under the control and constant surveillance of the licensee are required.**

19. 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 other persons specifically licensed by the Commission or an Agreement State to perform [redacted] services.

20. A. If the licensee uses unshielded sealed sources extended more than 3 feet below the surface, the licensee shall use surface casing that extends from the lowest depth to 12 inches above the surface and other appropriate procedures to reduce the probability of the source or probe becoming lodged below the surface. If it is not feasible to extend the casing 12 inches above the surface, the licensee shall implement procedures to ensure that the cased hole is free of obstruction before making measurements.

    B. If a sealed source or a probe containing sealed sources becomes lodged below the surface and it becomes apparent that efforts to recover the sealed source or probe may not be successful, the licensee shall notify the U. S. Nuclear Regulatory Commission and submit the report required by 10 CFR 30.50(b)(2) and (c). The licensee shall not abandon the sealed source or probe without obtaining the Commission's prior written consent.

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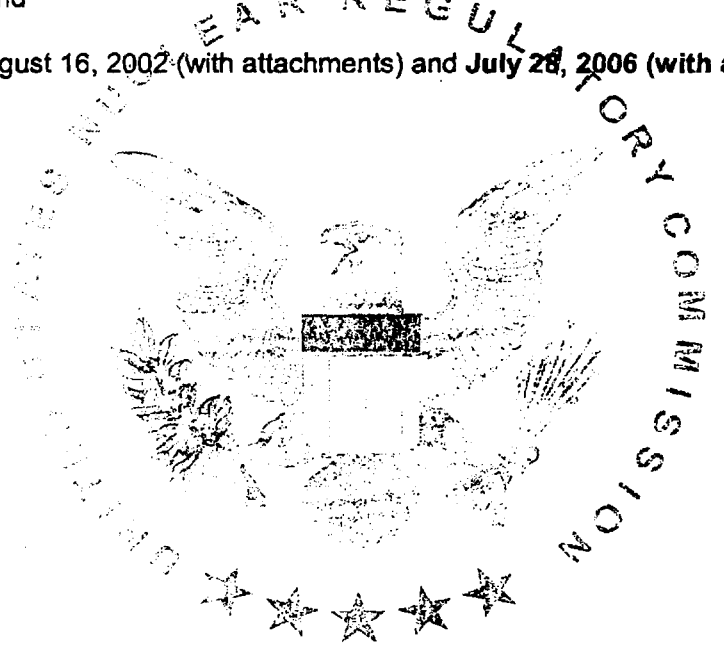
21. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The Nuclear Regulatory Commission's regulations shall govern unless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

    A. Application dated April 29, 1999;

    B. Facsimiles dated May 11, 1999 and December 15, 1999 (with letter dated December 15, 1999 (with attachments)); and

    C. Letters dated August 16, 2002 (with attachments) and **July 28, 2006 (with attachments)**.



FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date AUG 31 2006

By Loren J. Hueter

Loren J. Hueter
Materials Licensing Branch
Region III