

APPROVED BY OMB: NO. 3150-0013 EXPIRES: 07/31/2002
Estimated burden per response to comply with this mandatory collection request: 15 minutes. This notification is required so that NRC may schedule inspection of the activities to ensure that they are conducted in accordance with requirements for protection of the public health and safety. Send comments regarding burden estimate to the Records Management Branch (T-8 EB), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to bjs1@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOF-10202, (3150-0013), 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.

REPORT OF PROPOSED ACTIVITIES IN NON-AGREEMENT STATES, AREAS OF EXCLUSIVE FEDERAL JURISDICTION, OR OFFSHORE WATERS

(Please read the instructions before completing this form)

1. NAME OF LICENSEE (Person or firm proposing to conduct the activities described below) GEI Consultants, Inc.		2. TYPE OF REPORT <input checked="" type="checkbox"/> INITIAL <input type="checkbox"/> REVISION <input type="checkbox"/> CLARIFICATION	
3. ADDRESS OF LICENSEE (Mailing address or other location where licensee may be located) 1021 Main Street Winchester, MA 01890		4. LICENSEE CONTACT AND TITLE William Pitt, RSO	
5. TELEPHONE NUMBER (Include Area Code) (781) 721-4048		6. FACSIMILE NUMBER (Include Area Code) (781) 721-4073	

7. ACTIVITIES TO BE CONDUCTED UNDER THE GENERAL LICENSE GIVEN IN 10 CFR 150.20

WELL LOGGING LEAK TESTING AND/OR CALIBRATIONS TELETHERAPY/IRRADIATOR SERVICE

PORTABLE GAUGES OTHER (Specify) => _____

RADIOGRAPHY => _____ REGISTERED AS USER OF PACKAGING (CERTIFICATES OF COMPLIANCE NUMBERS)

8. CLIENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE United Illuminating 157 Church Street New Haven, CT 06506 ATTN: Steve Syrett		9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION (Street and Number or other location. Give as complete an address or directions as possible.) United Illuminating 165 Skitt Street Hamden, CT	
10. CLIENT TELEPHONE NUMBER (Include Area Code) (203) 499-2207		11. WORK LOCATION TELEPHONE NUMBER (Include Area Code) (860) 608-5738	

12. DATES SCHEDULED		13. NUMBER OF WORK DAYS	14. ADD	15. DELETE	16. LOCATION REFERENCE NUMBER
FROM	TO				
March 19, 01	May 31, 01	54			000776

17. LIST ADDITIONAL WORK SITES ON SEPARATE SHEET(S) TO INCLUDE ALL INFORMATION CONTAINED IN ITEMS 9-16 ABOVE.

17. LIST RADIOACTIVE MATERIAL, WHICH WILL BE POSSESSED, USED, INSTALLED, SERVICED, OR TESTED (Include description of type and quantity of radioactive material, sealed sources, or devices to be used.)
**Troxler model 3440 nuclear moisture-density gauge (sealed source) Activity Cs-137 < 9 millicuries
Am-241/Bc < 44 millicuries**

18. AGREEMENT STATE SPECIFIC LICENSE WHICH AUTHORIZES THE UNDERSIGNED TO CONDUCT ACTIVITIES WHICH ARE THE SAME, EXCEPT FOR LOCATION OF USE, AS SPECIFIED IN ITEM 9 ABOVE. (Four copies of the specific license must accompany the initial NRC Form 241.)	LICENSE NUMBER 27-9921	STATE MA	EXPIRATION DATE July 31, 2003
--	----------------------------------	--------------------	---

19. CERTIFICATION (MUST BE COMPLETED BY APPLICANT)

I, THE UNDERSIGNED, HEREBY CERTIFY THAT:

- a. All information in this report is true and complete.
- b. I have read and understand the provision of the general license 10 CFR 150.20 reprinted on the instructions of this form; and I understand that I am required to comply with these provisions as to all byproduct, source, or special nuclear material which I possess and use in non-Agreement States or offshore waters under the general license for which this report is filed with the U.S. Nuclear Regulatory Commission.
- c. I understand that activities, including storage, conducted in non-Agreement States under general license 10 CFR 150.20 are limited to a total of 180 days in calendar year. With the exception of work conducted in off-shore waters, which is authorized for an unlimited period of time in the calendar year.
- d. I understand that I may be inspected by NRC at the above listed work site locations and at the Licensee home office address for activities performed in non-Agreement States or offshore waters.
- e. I understand that conduct of any activities not described above, including conduct of activities on dates or locations different from those described above or without NRC authorization, may subject me to enforcement action, including civil or criminal penalties.

CERTIFYING OFFICER: RSO or Management Representative (Name and Title) William Pitt, RSO	SIGNATURE William E. Pitt	DATE April 17, 2001
---	-------------------------------------	-------------------------------

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 respects. 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.

FOR NRC USE ONLY	REVIEWING OFFICIAL (Typed/Printed Name and Title) Elizabeth Ulbrich	SIGNATURE [Signature]	DATE 4/20/01	TOTAL USAGE -- DAYS TO DATE 74
------------------	---	---------------------------------	------------------------	--

② 4/19/01

Φ GEI Consultants, Inc.

FAX

Bill Pitt, Radiation Safety Officer

Tel. (781) 721-4048
1021 Main Street
Winchester, MA 01890-1970

Fax (781) 721-4073

April 17, 2001

01-689

3

date	GEI project/ overhead no.	task code (if required)	number of pages including this page
------	------------------------------	----------------------------	--

TO: **USNRC Regional Administrator, Region I
Div. of Nuclear Material Safety
ATTN: Reciprocity Request**

FAX NO.: (610) 337-5393

GEI Consultants, Inc. (GEI) requests reciprocity to perform work in a non-agreement state (Connecticut). Attached please find the following:

- Completed form NRC 241 requesting reciprocity.
- Copy of a check payable to the "USNRC" in the amount of \$1200 (reciprocity fee)

Because GEI has not yet received our license from the Massachusetts Radiation Control Program, we are not able to send a copy of the license at this time. We expect to receive this license within the next few days. The licence Number (MA) is shown on form 241.

Because this represents an initial reciprocity filing in this calendar year, we will be sending to you, under separate cover, a) four (4) copies of form 241, b) four (4) copies of our Massachusetts license (when received), and c) the check payable to the NRC; in accordance with CFR regulations.

Should you need additional information or have questions, please contact me at the above telephone #.

ENVIRONMENTAL

- Environmental Site Assessment and Remediation
- RCRA and Superfund Sites
- Process Engineering
- Air Quality Engineering
- Ground Water Modeling
- Landfills

GEOTECHNICAL

- Geotechnical Investigations and Reports
- Foundation and Excavation Support Design
- Seismic and Vibration Evaluation and Design
- Rock Mechanics and Blast Engineering
- Tunneling, Microtunneling, and Directional Drilling
- Waterfront Engineering
- Field and Laboratory Testing

WATER RESOURCES

- Planning and Design
- Dam Design and Inspection
- Hydrology, Flood Routing Studies

GENERAL

- Permitting
- Litigation Support and Expert Testimony
- Construction Monitoring and Management

GEI use, check one: File Discard Return to BILL PITT

RECEIVED
REGION 1

2001 APR 19 PM 1: 46

MEMORANDUM

to: USNRC Regional Administrator, Region I
Division of Nuclear Material Safety
Attn.: Sheryl Villar

from: Bill Pitt, Radiation Safety Officer
GEI Consultants, Inc.

subject: Reciprocity Request

date: April 18, 2001

GEI Consultants, Inc. (GEI) requests reciprocity to perform work in a non-agreement state (Connecticut). Because this represents an initial reciprocity filing in this calendar year, we are sending to you, attached, the following:

- four (4) copies of completed NRC form 241,
- four (4) copies of our Massachusetts Radioactive Materials license, and
- a check payable to the U.S. Nuclear Regulatory Commission, in the amount of \$1,200 (reciprocity fee).

We would appreciate your timely processing of this reciprocity request. If you have questions or need additional information, please call me at tele. (781) 721-4048.

Thank you.



THE COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF PUBLIC HEALTH
 RADIATION CONTROL PROGRAM
 MATERIALS LICENSE

Pursuant to Massachusetts General Laws Chapter 111, Sections 3, 5M, 5N, 5O and 5P and Massachusetts Regulations for the Control of Radiation, Section 120.100, Licensing of Radioactive Material, and in reliance on statements and representation heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer radioactive materials 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 105 CMR 120.000. This license shall be deemed to contain the conditions specified in 105 CMR 120.000 and is subjected to all applicable rules, regulations of the Department of Public Health, Commonwealth of Massachusetts, now or hereafter in effect and to any conditions specified below.

<p style="text-align: center;">Licensee</p> <p>1. GEI Consultants, Inc.</p> <p>2. 1021 Main Street Winchester, Massachusetts 01890-1943</p>	<p>3. License Number: 27-9921 is amended in its entirety in accordance with letter dated April 18, 2001, to read as follows:</p> <p style="padding-left: 40px;">Amendment No: 05</p> <hr/> <p>4. Expiration Date: July 31, 2003</p> <hr/> <p>5. Docket No: 99-0196</p>
---	--

6. Radioactive Material	7. Chemical/Physical Form	8. Maximum Possession Limit
A. Cesium-137	A. Sealed source	A. Not to exceed 9 millicuries per source and 45 millicuries total
B. Americium-241	B. Sealed neutron source	B. Not to exceed 44 millicuries per source and 220 millicuries total

9. Authorized use:
- A. and B. For Possession and use in Troxler Electronic Laboratories, Inc, device which has been evaluated and approved for licensing purposes under a license issued by the U.S. Nuclear Regulatory Commission or any Agreement State.

COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH RADIATION CONTROL PROGRAM	LICENSE NUMBER: 27-9921
MATERIALS LICENSE SUPPLEMENTARY SHEET	DOCKET NUMBER: 99-0196
	AMENDMENT NUMBER: 05

CONDITIONS

10. Radioactive material may be stored at the licensee's facility located at 1021 Main Street, Winchester, Massachusetts, and may be used at temporary job sites of the licensee anywhere in the Commonwealth of Massachusetts except areas under exclusive Federal jurisdiction. This condition does not prohibit use in States under the jurisdiction of the U.S. Nuclear Regulatory Commission (NRC) or Agreement States under reciprocity procedures which may be established by the NRC or those States.
11. This license is subject to an annual fee as determined by the Executive Office for Administration and Finance.
12.
 - A. Licensed material shall be used by, or under the supervision and in the physical presence of, individuals who have successfully completed the device manufacturer's training program, and have been instructed in the licensee's operating and emergency procedures. Copies of the certificate of training for each user shall be maintained by the licensee for 3 years following the last use of licensed material by the individual.
 - B. The Radiation Safety Officer for this license is William E. Pitt, Jr.
13. Sealed sources or source rods containing licensed material shall not be opened or sources removed or detached from source rods or devices by the licensee, except as specifically authorized.
14.
 - A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed 6 months or at such other intervals as are specified by the certificate of registration referred to in 105 CMR 120.128(N).
 - B. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a sealed source received from another person shall not be put into use until tested.
 - C. Sealed sources need not be leak tested if they are in storage and 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

COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH RADIATION CONTROL PROGRAM	LICENSE NUMBER: 27-9921
MATERIALS LICENSE SUPPLEMENTARY SHEET	DOCKET NUMBER: 99-0196
	AMENDMENT NUMBER: 05

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 185 becquerel (0.005 microcurie) of radioactive material on the test sample. Records of leak test results shall be kept in units of microcuries and shall be maintained for inspection by the Agency. If the test reveals the presence of 185 becquerel (0.005 microcurie) or more of removable contamination, a report shall be filed with the Agency and the source shall be removed from service and decontaminated, repaired, or disposed of in accordance with Agency regulations. The report shall be filed within 5 days of the date the leak test result is known with the Massachusetts Department Of Public Health, ATTN: Director, Radiation Control Program, 174 Portland Street, Boston, Massachusetts, 02114. The report shall specify the source involved, the test results, and corrective action taken.
- E. The licensee is authorized to collect leak test samples for analysis by Troxler Electronic Laboratories, Inc. Alternatively, tests for leakage and/or contamination may be performed by persons specifically licensed by the Agency, the NRC or an Agreement State to perform such services.
15. The licensee shall conduct a physical inventory every six (6) months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained until inspection by the Radiation Control Program and shall include the quantities and kinds of radioactive material, location of sealed sources and the date of the inventory.
16. When performing tests at temporary job sites, the authorized user shall not leave licensed devices unattended. Upon completion of tests the device shall be locked in the licensee's vehicle or a secure building to prevent unauthorized use, loss, or theft.
17. Each device shall have a lock or outer locked container designed to prevent unauthorized or accidental removal of the sealed source from its shielded position. The device or its container must be locked when in transport, storage or when not under the direct surveillance of an authorized user.

COMMONWEALTH OF MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH RADIATION CONTROL PROGRAM	LICENSE NUMBER: 27-9921
MATERIALS LICENSE SUPPLEMENTARY SHEET	DOCKET NUMBER: 99-0196
	AMENDMENT NUMBER: 05

18. Any cleaning, maintenance, or repair of the devices that requires the removal of the sealed source shall be performed only by the manufacturer or by other persons specifically licensed by the Agency, the NRC or an Agreement State to perform such services.
19. The licensee shall only transport radioactive material or deliver radioactive material to a carrier for transport in accordance with the provisions of 49 CFR Parts 170 through 189, 10 CFR Part 71, and 105 CMR 120.770 "Transportation of Radioactive Material."
20. Except as specifically provided otherwise by this license, the licensee shall conduct its program in accordance with statements, representations, and procedures contained in the documents including any enclosures listed below. The Massachusetts Regulations for the Control of Radiation (105 CMR 120.000) shall govern unless statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
 - A. U.S.N.R.C. License Number 20-27992-01, Amendment 4, transferred to the State on March 21, 1997.
 - B. Facsimile dated April 18, 2001

FOR THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC HEALTH
RADIATION CONTROL PROGRAM

Date 4-18-01

By Robert M. Hallisey
Robert M. Hallisey, Director

