

NRC FORM 241 (7-1999) U.S. NUCLEAR REGULATORY COMMISSION APPROVED BY OMB: NO. 3145-0033 EXPIRES: 07/31/2002

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

(Please read the instructions before completing this form)

Estimated burden for response to comply with this mandatory collection request: 15 minutes. The respondent is required to 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 estimates to the Records Management Branch (7-4-00), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to hst1@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEDB-10202 (3155-0012), 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.

1. NAME OF LICENSEE (Person or firm preparing to conduct the activities described below) Geotechnical & Environmental Consultants
2. TYPE OF REPORT [] INITIAL [] REVISION [X] CLARIFICATION
3. ADDRESS OF LICENSEE (Mailing address or other location where licensee may be located) 5021 Mercer University Drive Suite D-2 Macon, GA 31210
4. LICENSEE CONTACT AND TITLE George Ken Lawrence (RSO)
5. TELEPHONE NUMBER (include Area Code) (478) 757-1606
6. FACSIMILE NUMBER (include Area Code) (478) 757-1608

7. ACTIVITIES TO BE CONDUCTED UNDER THE GENERAL LICENSE GIVEN IN 10 CFR 150.20
[] WELL LOGGING [] LEAK TESTING AND/OR CALIBRATIONS [] TELE THERAPY/RADIATOR SERVICE
[X] PORTABLE GAUGES [] OTHER (Specify) ->
[] RADIOGRAPHY -> REGISTERED AS USER OF PACKAGING (CERTIFICATES OF COMPLIANCE NUMBERS)

8. CLIENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE W.L. Hailey & Company, Inc. 2971 Kraft Drive P.O. Box 40646 Nashville, TN 37204-0646
9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION (Street and Number or other location. Give as complete as address or directions as possible.) Robins AFB Flight Line, North & West of Runway residence
10. CLIENT TELEPHONE NUMBER (include Area Code) (615) 255-3161
11. WORK LOCATION TELEPHONE NUMBER (include Area Code) N/A, 762-0000

Table with 5 columns: 12. DATES SCHEDULED (FROM TO), 13. NUMBER OF WORK DAYS, 14. ADD, 15. DELETE, 16. LOCATION REFERENCE NUMBER. Values: April 01-02, April 05-02, 5, empty, empty, 000516

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 Moisture & Density Gauge Radioactive Material Activity-CS-137 3400 Series .30 GBQ (8.000mCi AM--241:BE 1.48 GBQ (40.000mCi)

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 8 ABOVE. (Four copies of the specific license must accompany the initial NRC Form 241.) LICENSE NUMBER GA 1388-1 STATE GA EXPIRATION DATE 12/31/2004

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 sites 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) SIGNATURE DATE
George K Lawrence RSO [Signature] 4-1-02

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 OFFICER (Name and Title) SIGNATURE DATE TOTAL USAGE - DAYS TO DATE
Division of Nuclear Materials Safety [Signature] 4/1/2002 (10)

Georgia Department of Natural Resources

4244 International Parkway, Suite 114, Atlanta, Georgia 30354

Georgia Department of Natural Resources

Lonice C. Barrett, Commissioner

Harold F. Reheis, Director

Radioactive Materials License

Environmental Protection Division

Supplementary Sheet

404/362-2675

RADIOACTIVE MATERIALS PROGRAM

GEORGIA RADIOACTIVE MATERIALS LICENSE

Page 2 of 4 Pages
License Number GA 1388-1

Amendment Number .01

Pursuant to the Georgia Radiation Control Act O.C.G.A. 31-13 (H.B. 947) 1990 and the Georgia Department of Natural Resources Rules and Regulations, designated Chapter 391-3-17, and in reliance on statements and representations heretofore made by the licensee designated below, a license is hereby issued authorizing such licensee to transfer, receive, possess, and use the radioactive material(s) designated below, and to use such radioactive materials for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules and regulations of the Georgia Department of Natural Resources and orders issued by the Department, now or hereafter in effect, and to any condition specified below.

Page 1 of 4 Pages

License Number GA. 1388-1

Amendment Number .01

License (1. Name and 2. Address)

Geotechnical & Environmental Consultants
5021 Mercer University Drive
Suite D2
Macon, Georgia 31210-5691

3. In accordance with administrative policy, **License Number GA 1388-1** is amended in its entirety to read as follows:

4. **Expiration Date:** December 31, 2004

5. **Telephone Number:** (478) 757-1606
Facsimile Number: (478) 757-1608

6. RADIOACTIVE MATERIAL (ELEMENT AND MASS NUMBER)	7. CHEMICAL AND/OR PHYSICAL FORM	8. MAXIMUM QUANTITY LICENSEE MAY POSSESS AT ANY ONE TIME
A. Cesium 137	A. Sealed Source (Model number or "Models which are registered in accordance with Rule 391-3-17.02(11)(I) or equivalent regulations of the US NRC or another Agreement State")	A. No single source to exceed 9 millicuries
B. Americium 241:Be	B. Sealed Source (Model number or "Models which are registered in accordance with Rule 391-3-17.02(11)(I) or equivalent regulations of the US NRC or another Agreement State")	B. No single source to exceed 44 millicuries

9. AUTHORIZED USE

Georgia Department of Natural Resources

Radioactive Materials Division
 2000 Peachtree Parkway, Suite 114, Atlanta, Georgia 30354

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Lonice C. Barrett, Commissioner

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License Number GA 1388-1

Amendment Number .01

RADIOACTIVE MATERIALS PROGRAM GEORGIA RADIOACTIVE MATERIALS LICENSE

Pursuant to the Georgia Radiation Control Act O.C.G.A. 31-13 (H.B. 947) 1990 and the Georgia Department of Natural Resources Rules and Regulations, designated Chapter 391-3-17, and in reliance on statements and representations heretofore made by the licensee designated below, a license is hereby issued authorizing such licensee to transfer, receive, possess, and use the radioactive material(s) designated below; and to use such radioactive materials for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules and regulations of the Georgia Department of Natural Resources and orders issued by the Department, now or hereafter in effect, and to any condition specified below.

- A. For use in a Troxler Electronic Laboratories, Inc. Model 3400 Series device to determine moisture and density content in construction materials.
- B. For use in a Troxler Electronic Laboratories, Inc. Model 3400 Series device to determine moisture and density content in construction materials.

CONDITIONS

- 10. Radioactive material shall be stored at 5021 Mercer University Drive Suite D-2, Macon, Georgia 31210 and at 5731 Miller Court Suite C, Columbus, Georgia 31909. Radioactive material may be used only at temporary job sites of the licensee anywhere in the State of Georgia. This condition does not prohibit use in other Agreement States and States under the jurisdiction of the U.S. Nuclear Regulatory Commission under reciprocity procedures which may be established by an Agreement State or the U.S. Nuclear Regulatory Commission.
- 11. The licensee shall comply with the provisions of Georgia Department of Natural Resources Rule 391-3-17-.03, "Standards for Protection Against Radiation, Amended.", Rule 391-3-17-.06, "Transportation of Radioactive Material, Amended.", and Rule 391-3-17-.07, "Notices, Instructions and Reports to Workers: Inspections, Amended."
- 12. In accordance with DNR Board Policy adopted May 27, 1992 the fees associated with this license, fee category C.11, are:

Application fee	\$ 500.00	Renewal fee	\$ 500.00
Amendment fee	\$ 380.00	Routine Inspection fee	\$1200.00
Non-routine Inspection fee	\$1200.00	Annual fee	\$ 500.00

Checks for the fees should be made payable to the Department of Natural Resources, Radioactive Materials Program, and mailed to the following address:

Radioactive Materials Fees
 P.O. Box 101161

Georgia Department of Natural Resources

Radioactive Materials Division, 4244 International Parkway, Suite 114, Atlanta, Georgia 30354

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Lonice C. Barrett, Commissioner

Harold F. Reheis, Director

Environmental Protection Division

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License Number GA 1388-1

Amendment Number .01

**RADIOACTIVE MATERIALS PROGRAM
GEORGIA RADIOACTIVE MATERIALS LICENSE**

Pursuant to the Georgia Radiation Control Act O.C.G.A. 31-13 (H.B. 947) 1990 and the Georgia Department of Natural Resources Rules and Regulations, designated Chapter 391-3-17, and in reliance on statements and representations heretofore made by the licensee designated below, a license is hereby issued authorizing such licensee to transfer, receive, possess, and use the radioactive material(s) designated below; and to use such radioactive materials for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules and regulations of the Georgia Department of Natural Resources and orders issued by the Department, now or hereafter in effect, and to any condition specified below.

Atlanta, GA 30392

Mail license applications, amendment, and renewal requests the same day as the check to the following address:

Radioactive Materials Program
4244 International Parkway, Suite 114
Atlanta, GA 30354

Inspection fees are payable upon receipt of each invoice from the Department following inspections. Annual fees are billed by the Department at the beginning of each fiscal year.

13. The Radiation Safety Officer in this program shall be George K. Lawrence.
14. Licensed material shall be used by, and/or used under the supervision, and in the physical presence of individuals who have successfully completed the manufacturer's training program or equivalent training program approved by the Department described in letter dated December 28, 1999, have received copies of the licensee's operating and emergency procedures, and have been designated by the Radiation Safety Officer. Records/Certificates of training shall be maintained for Department inspection.

Conditions (continued)

15. 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, storage, or when not under the direct surveillance of an authorized user.
16. Except for maintaining labeling as required by 391-3-17.-03, the licensee shall obtain authorization from the Department before making any changes in the sealed source, device, or source-device combination that would alter the description or specifications as indicated in the Sealed Source Registry issued either by the Department, an Agreement State, or the Nuclear Regulatory Commission.
17. Maintenance or repair of portable devices involving removal of sealed sources from the devices or

Georgia Department of Natural Resources

4244 International Parkway, Suite 114, Atlanta, Georgia 30354

Georgia Department of Natural Resources

Lonice C. Barrett, Commissioner

Harold F. Reheis, Director

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RADIOACTIVE MATERIALS PROGRAM

GEORGIA RADIOACTIVE MATERIALS LICENSE

License Number GA 1388-1

Amendment Number .01

Pursuant to the Georgia Radiation Control Act O.C.G.A. 31-13 (H.B. 947) 1990 and the Georgia Department of Natural Resources Rules and Regulations, designated Chapter 391-3-17, and in reliance on statements and representations heretofore made by the licensee designated below, a license is hereby issued authorizing such licensee to transfer, receive, possess, and use the radioactive material(s) designated below; and to use such radioactive materials for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules and regulations of the Georgia Department of Natural Resources and orders issued by the Department, now or hereafter in effect, and to any condition specified below.

removal or dismantling of shielding may be performed only by the device manufacturer, or by persons specifically authorized by the Department, Agreement States, or the U.S. Nuclear Regulatory Commission to perform such services.

18. Sealed sources containing radioactive material shall not be opened by the licensee.
19. The licensee shall conduct a physical inventory every 6 months to account for all licensed material received and possessed under this license. The records of inventories shall be maintained for inspection by the Department and shall include the quantities and kinds of radioactive material, the manufacturer, model and serial number, location of sealed sources, and the date and name of the individual performing the inventory.
20. A. The licensee shall perform required tests for leakage or contamination at intervals not to exceed six (6) months in accordance with Rule 391-3-17-.03(6). Analysis of the tests shall be performed by persons specifically authorized by the Department, the U.S. Nuclear Regulatory Commission, or an Agreement State to perform such services.
21. The licensee shall maintain a current utilization log which shall be kept available for inspection by the Department, for three years from the date of the recorded event, showing for each sealed source the following information:
 - A. A unique identification, such as a serial number, for each portable gauge in which a sealed source is located;
 - B. The identity of the individual to whom assigned;
 - C. Locations where used and dates of use; and
 - D. The date(s) each source is removed from storage and returned to storage.
22. The licensee shall notify the Radioactive Materials Program, Georgia Department of Natural Resources, of each operation conducted under the license at a location other than that specified in Item 2 above when such operation continues for more than 60 days. The licensee shall also notify this office upon cessation of such operation.

Conditions (continued)

Georgia Department of Natural Resources

Radioactive Materials License
 4200 Peachtree Dunwoody Parkway, Suite 114, Atlanta, Georgia 30354

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Lonice C. Barrett, Commissioner

Harold F. Reheis, Director

Environmental Protection Division

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License Number GA 1388-1

Amendment Number .01

**RADIOACTIVE MATERIALS PROGRAM
 GEORGIA RADIOACTIVE MATERIALS LICENSE**

Pursuant to the Georgia Radiation Control Act O.C.G.A. 31-13 (H.B. 947) 1990 and the Georgia Department of Natural Resources Rules and Regulations, designated Chapter 391-3-17, and in reliance on statements and representations heretofore made by the licensee designated below, a license is hereby issued authorizing such licensee to transfer, receive, possess, and use the radioactive material(s) designated below; and to use such radioactive materials for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules and regulations of the Georgia Department of Natural Resources and orders issued by the Department, now or hereafter in effect, and to any condition specified below.

23. The licensee shall not transfer possession and/or control of materials or products containing radioactive material as a contaminant except:
 - A. By transfer of waste to an authorized recipient;
 - B. By transfer to a specifically licensed recipient; or
 - C. As provided otherwise by a specific condition of this license pursuant to the requirements of (12) of Rule 391-3-17-.03.
24. The licensee shall not vacate or release to unrestricted use a field office or storage location whose address is identified in Condition 10, without prior Department approval.
25. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material with a half-life greater than 120 days to quantities less than those specified in Rule 391-3-17.02(8)(g)4. Exceeding quantities in .02(8)(g)4. requires the submittal of a financial assurance mechanism or a decommissioning funding plan.
26. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material at a single location to quantities below the limits specified in Rule 391-3-17.02(21)(e) Schedule E, which requires consideration of the need for an emergency plan (.02)(7)(h) for responding to a release of licensed material.
27. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with statements, representations, and procedures contained in the documents, including any enclosures listed below:
 - A. Application dated December 8, 1999, signed by George K. Lawrence, and
 - B. Letter dated December 28, 1999, George K. Lawrence, Radiation Safety Officer and Thomas E. Driver, P.E., President.

Georgia Department of Natural Resources

4244 International Parkway, Suite 114, Atlanta, Georgia 30354

Georgia Department of Natural Resources

Lynice C. Barrett, Commissioner

Harold F. Reheis, Director

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RADIOACTIVE MATERIALS PROGRAM

GEORGIA RADIOACTIVE MATERIALS LICENSE

License Number GA 1388-1

Amendment Number .01

Pursuant to the Georgia Radiation Control Act O.C.G.A. 31-13 (H.B. 947) 1990 and the Georgia Department of Natural Resources Rules and Regulations, designated Chapter 391-3-17, and in reliance on statements and representations heretofore made by the licensee designated below, a license is hereby issued authorizing such licensee to transfer, receive, possess, and use the radioactive material(s) designated below; and to use such radioactive materials for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules and regulations of the Georgia Department of Natural Resources and orders issued by the Department, now or hereafter in effect, and to any condition specified below.

The Georgia Department of Natural Resources' regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.

Georgia Department of Natural Resources

4244 International Parkway, Suite 114, Atlanta, Georgia 30354

Lonice C. Barrett, Commissioner

Harold F. Reheis, Director

Environmental Protection Division

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Radioactive Materials License

RADIOACTIVE MATERIALS PROGRAM

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License Number GA 1388-1

Amendment Number 01

Pursuant to the Georgia Radiation Control Act O.C.G.A. 31-13 (H.B. 947) 1990 and the Georgia Department of Natural Resources Rules and Regulations, designated Chapter 391-3-17, and in reliance on statements and representations heretofore made by the licensee designated below, a license is hereby issued authorizing such licensee to transfer, receive, possess, and use the radioactive material(s) designated below; and to use such radioactive materials for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules and regulations of the Georgia Department of Natural Resources and orders issued by the Department, now or hereafter in effect, and to any condition specified below.

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RADIOACTIVE MATERIALS PROGRAM**GEORGIA RADIOACTIVE MATERIALS LICENSE**

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License Number GA 1388-1

Amendment Number 01

Pursuant to the Georgia Radiation Control Act O.C.G.A. 31-13 (H.B. 947) 1990 and the Georgia Department of Natural Resources Rules and Regulations, designated Chapter 391-3-17, and in reliance on statements and representations heretofore made by the licensee designated below, a license is hereby issued authorizing such licensee to transfer, receive, possess, and use the radioactive material(s) designated below; and to use such radioactive materials for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules and regulations of the Georgia Department of Natural Resources and orders issued by the Department, now or hereafter in effect, and to any condition specified below.

December 15, 2000

Mr. George K. Lawrence, Radiation Safety Officer
Geotechnical & Environmental Consultants
5021 Mercer University Drive
Suite D2
Macon, Georgia 31210-5691

Dear Mr. Lawrence:

In accordance with administrative policy, Georgia Radioactive Material License Number GA 1388-1 has been amended in its entirety. Please find enclosed Amendment Number 01. This amendment limits the amount of licensed material you may possess.

If you have any questions, please feel free to contact our office at (404) 362-2675.

Sincerely,

Rodriquez Elisha Harrell
Principal Environmental Radiation Specialist
Radioactive Materials Program

REH
Enclosure