
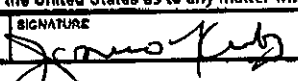


NRC FORM 241 (7-1999)		U.S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB: NO. 2160-0013 Estimated burden per response to comply with this mandatory collection request: 15 minutes. This notification is required so that NRC may schedule inspection of the activities to ensure that they are conducted in accordance with requirements for protection of the public health and safety. Send comments regarding burden estimate to the Records Management Branch (7-8 EB), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to br1@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NRC-10202, (30150-0013), Office of Management and Budget, Washington, DC 20503. If a means used to request 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.		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)							
1. NAME OF LICENSEE (Person or firm proposing to conduct the activities described below) GENERAL ENGINEERING LABORATORICS				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) 2040 SAVAGE RD. Charleston, SC 29414				4. LICENSEE CONTACT AND TITLE Charles M. Knickel - RSO			
				5. TELEPHONE NUMBER (Include Area Code) 843-556-8171		6. FACSIMILE NUMBER (Include Area Code) 843-766-1178	
7. ACTIVITIES TO BE CONDUCTED UNDER THE GENERAL LICENSE GIVEN IN 10 CFR 160.20 <input type="checkbox"/> WELL LOGGING <input type="checkbox"/> LEAK TESTING AND/OR CALIBRATIONS <input type="checkbox"/> TELETHERAPY/RADIATOR SERVICE <input type="checkbox"/> PORTABLE GAUGES <input checked="" type="checkbox"/> OTHER (Specify) ⇒ XRF <input type="checkbox"/> RADIOGRAPHY ⇒ REGISTERED AS USER OF PACKAGING (CERTIFICATES OF COMPLIANCE NUMBERS)							
8. CLIENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE LSP Associates, LTD. 23 NORTH MARKET ST. SUITE 300 Charleston, SC 29401				9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION (Street and Number or other location. Give as complete an address or directions as possible) BARACKS D-2826 + D-2617 Fort Bragg, NC			
				10. CLIENT TELEPHONE NUMBER (Include Area Code) 843-577-4444		11. WORK LOCATION TELEPHONE NUMBER (Include Area Code) 843-697-2214	
12. DATES SCHEDULED FROM 08 SEPT 02 TO 08 OCT 02		13. NUMBER OF WORK DAYS 3/1		14. ADD		15. DELETE	
						16. LOCATION REFERENCE NUMBER 000975	
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, source, or device to be used) PAINT DETECTOR WITH INSTALLED (14 MUCUSIC) CADMIUM-109 sealed SOURCE, AMERSHAM MODEL CUC-D1 NITON XL-209 LMD BASED							
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 362		STATE SC	
				EXPIRATION DATE 30 APR 04			
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 160.20 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) CHARLES M. KNICKEL - RSO				SIGNATURE 		DATE 9/4/02	
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 to							
FOR NRC USE ONLY				SIGNATURE 		DATE 9/4/02	
				TOTAL US\$ - DUES TO DATE 31			
PRINTED ON RECYCLED PAPER							

**SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
RADIOACTIVE MATERIAL LICENSE**

Pursuant to the Atomic Energy and Radiation Control Act, Section 13-7-40 et. seq. of S.C. Code of Laws of 1976, as amended, and Supplements thereto, and the South Carolina Department of Health and Environmental Control Regulation 61-63, Radioactive Material (Title A), and in reliance on statements and representations heretofore made by the applicant, a license is hereby issued authorizing the licensee to receive, acquire, possess and transfer radioactive material listed below; and to use such radioactive material for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules and regulations of the South Carolina Department of Health and Environmental Control now or hereafter in effect and to any conditions specified below.

Amendment No. 19 amends

LICENSEE		3. License Number:
1. Name:	General Engineering Laboratories	362 in its entirety.
2. Address:	2040 Savage Road Charleston, SC 29414	4. Expiration Date: April 30, 2004
5. Radioactive Material (Element & Mass No.)	6. Chemical and/or Physical Form	7. Maximum Radioactivity and/or quantity of material which licensee may possess at any one time.
A. Any radioactive material with Atomic Numbers 2 through 83.	A. Any	A. 100 millicuries.
B. Any radioactive material with Atomic Numbers 84 through 98.	B. Any	B. 10 millicuries.
C. Any radioactive material with Atomic Numbers 99 through 100.	C. Any	C. 10 millicuries.
D. Uranium 235	D. Any	D. 50 grams.
E. Uranium 233	E. Any	E. 2 grams.
F. Plutonium	F. Any	F. 2 grams.
G. Hydrogen 3	G. Any	G. 1.0 Curie.
H. Any radioactive material with Atomic Numbers 1 through 98.	H. Any	H. No single source to exceed 2.0 millicuries.
I. Cadmium 109	I. Sealed source (Amersham Model CUC-D1, Isotope Products Model XFB Series-3204 and 3205, NEN Model NER 467, NEN Model NER 465, NAS Model IND 1602)	I. No single source to exceed 14 millicuries.

DHIC 310 (11/81)

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Radioactive Material License
Supplementary Sheet

License No. 362
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J. Nickel 63	J. Foils (U.S. Radium Lab 784 or NEN Model NER-004)	J. No single source to exceed 20 millicuries.
K. Nickel 63	K. Foils (Amersham Corp. Models NBCD)	K. No single source to exceed 15 millicuries.
L. Technetium 99m	L. Any	L. No single source to exceed 5 millicuries.

8. Authorized Use:

- A. through G. As contaminants in environmental waste samples of unknown chemical composition.
- H. To be used as calibration and reference standards.
- I. To be used in Princeton Gamma-Tech, Inc. Model LK-3 portable x-ray fluorescence device for detection of lead-based paint.
- J. To be used in Tracor Model 115500 detector cell for use in Tracor Model 540 and 560 gas chromatograph.
- K. To be used in Hewlett Packard Model G1223A detector cell for use in Hewlett Packard Model 5890 gas chromatograph.
- L. To be used as calibration and reference standards.

Conditions

9. Radioactive material may only be used at the licensee's address listed in Item 2 above and temporary jobsites of the licensee anywhere in South Carolina, subject to the jurisdiction of the S.C. Department of Health and Environmental Control. This condition does not prohibit use in Agreement States or in U.S. Nuclear Regulatory Commission jurisdiction states under reciprocity procedures which may be established by those states or the U.S. Nuclear Regulatory Commission.
10. The licensee shall comply with the provisions of Title A, State of South Carolina Rules and Regulations for Radiation Control; Part I - General Provisions; Part II - Licensing of Radioactive Materials; Part III - Standards for Protection Against Radiation; and Part VI - Notices, Instructions, and Reports to Workers; Inspections.
11. Radioactive material shall be used by, or under the supervision of: Joe Davis (RSO), Carey Bocklet, James Westmoreland or Scott Smith.
12. Radioactive material listed in Items 5.I., 6.I., and 7.I. shall be used by, or under the supervision of, and in the physical presence of: Patrick Snodgrass.
13. Sealed sources containing radioactive material shall not be opened or removed from their respective source holders by the licensee.

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SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
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14. A. Each sealed source containing radioactive material, other than Hydrogen-3, with a half-life greater than thirty (30) days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed three (3) years, except for S.I and S.K which shall be tested at intervals not to exceed six (6) months. In the absence of a certificate from a transferor indicating that a test has been made within six (6) months prior to the transfer, the sealed source shall not be put into use until tested.
- B. The test shall be capable of detecting the presence of 0.005 microcuries of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Department.
- C. If the test reveals the presence of 0.005 microcuries or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Department regulations. A report shall be filed within five (5) days of the test with the Chief, Bureau of Radiological Health, South Carolina Department of Health & Environmental Control, 2600 Bull Street, Columbia, South Carolina 29201, describing the equipment involved, the test results, and the corrective action taken.
15. Except for plutonium contained in a medical device designed for individual human application, no plutonium, regardless of form, shall be delivered to a carrier for shipment by air transport or transported in a aircraft by the licensee except in packages the design of which the U.S. Nuclear Regulatory Commission has specifically approved for transport of plutonium by air.
16. The licensee shall perform surveys of all incoming samples. Records of these surveys shall be maintained for review by the Department.
17. The licensee shall maintain a current inventory log of all samples received. This log shall be maintained for review by the Department.
18. The licensee shall conduct a physical inventory every six (6) months to account for all radioactive material received and possessed under the license. The records of the inventories shall be maintained for inspection by the Department and shall include the quantities and kinds of licensed material, location of radioactive material, and the date of the inventory.
19. In lieu of using the conventional radiation caution colors (magenta or purple on yellow background) as provided in RHA 3.21.1 of Part III, the licensee is hereby authorized to label detector cells and cell baths, containing radioactive material and used in gas chromatograph devices, with conspicuously etched or stamped radiation caution symbols without a color requirement.
20. Tests for leakage and/or contamination shall be performed by persons specifically authorized by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such service.

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SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
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21. The licensee shall dispose of all radioactive samples and wastes by return to the sample generator or by transfer to persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to receive and dispose of these radioactive samples and waste.
22. The licensee shall maintain itemized disposal records for review by the Department.
23. The licensee shall transport and dispose of low-level radioactive waste in accordance with Department Regulation 61-83 and applicable disposal site requirements. Any mixed low-level radioactive waste defined as waste that contains radioactivity and, either listed hazardous waste in Subpart D, 40 CFR 261, or, 2) waste that exhibits any of the hazardous waste characteristics identified in Subpart C, 40 CFR 261, shall be returned to the sample generator or accumulated and transported in accordance with applicable regulatory requirements to a licensed/permitted mixed waste facility for recycling, treatment, and/or disposal.
24. Radioactive material listed in Items 5.I., 6.I. and 7.I. shall be transported in accordance with requirements of RHA 2.22 - Transportation of Radioactive Materials, Department Regulation 61-63, Title A.
25. The licensee shall maintain a utilization log indicating the date, name of person, and place where radioactive material listed in Items 5.I., 6.I., and 7.I. is used.
26. Except as specifically provided otherwise, the licensee shall possess and use radioactive material described in Items 5, 6, and 7 of this license in accordance with statements, representations, and procedures contained in the following documents.
- A. Renewal application dated March 10, 1999, signed by Darren M. Boone.
- B. Additional information letter dated October 29, 1999, signed by James Westmoreland.

For the South Carolina Department
of Health and Environmental Control

Date of Issuance January 11, 2000

By: J.R. Kelly

James O'Keefe, Chief
Radiological Health Branch

DHEC/ERH/121799

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Radioactive Material License
Supplementary Sheet

License No. 362
Amendment No. 20

General Engineering Laboratories
2040 Savage Road
Charleston, SC 29414

In accordance with letter dated January 29, 2001, signed by James B. Westmoreland, S.C. Radioactive Material License No. 362 is hereby AMENDED:

TO ADD:

5. Radioactive Material
(Element & Mass No.)

5. Chemical and/or
Physical Form

7. Maximum Radioactivity
and/or quantity of
material which licensee
may possess at any one
time.

M. Nickel 63

M. Foils (Amersham
Corp. Model NBCD or
Dupont Merck
Pharmaceutical Model
NER-604P)

M. No single source to
exceed 15 millicuries.

8. Authorized Use:

M. To be used in Hewlett Packard Model G2397A detector cell for use in Hewlett Packard Model 6890 gas chromatograph.

TO CHANGE:

8. Authorized Use:

I. To be used in Niton XL-309 dual detector spectrum analyzer for detection of lead-based paint.

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SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Radioactive Material License
Supplementary Sheet

License No. **362**
Amendment No. **20**

TO CHANGE:

Condition 11.

11. Radioactive material shall be used by, or under the supervision of: Charles M. Krichel (RSO), Carey Bocklet, or James Westmoreland.

TO CHANGE:

Condition 12.

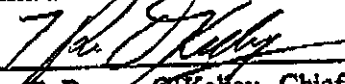
12. Radioactive material listed in Items 5.I., 6.I., and 7.I. shall be used by, or under the supervision of, and in the physical presence of: Craig Langford, or Jennifer O'Neal.



Date of Issuance: March 6, 2001

DHEC 812 (11/81)

For the South Carolina Department
of Health and Environmental Control

BY: 
T. Pearee O'Keefe, Chief
Bureau of Radiological Health

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Radioactive Material License
Supplementary Sheet

License No. 362
Amendment No. 21

General Engineering Laboratories
2040 Savage Road
Charleston, SC 29414

In accordance with letter dated January 14, 2002, signed by Charles M. Knichel, S.C. Radioactive Material License No. 362 is hereby AMENDED:

TO CHANGE:

Condition 11.

- 11. Radioactive material shall be used by or under the supervision of: Charles M. Knichel (RSO), Carey Bockett, James Westmoreland or Joe Davis.



For the South Carolina Department
of Health and Environmental Control

BY: *T. Pearce O'Kelley*
T. Pearce O'Kelley, Chief
Bureau of Radiological Health

Date of Issuance: February 11, 2002

DHEC 812 (11/81)

FAX

General Engineering Laboratories, Inc.
P.O. Box 30712
Charleston, SC 29407
USA

Date: 9/4/02

Number of Pages
including cover sheet: 10



To: Janice Kirby

**Nuclear Regulatory Commission
Region II, Atlanta, GA**

Phone

Fax Phone (404) 562-4955

From:

Mike Knichel

RSO

Phone

843-556-8171 x4254

Fax Phone

843-766-1178

Email

Mike.knichel@mail.gel.com

Remarks:

Good Morning,

Enclosed is my application for a certificate of reciprocity with the NRC. Hard copies with payment are in the mail as per my conversations with Mr. Collins. Please fax a copy of the reciprocity certificate to me at (843) 766-1178 and to the RSO at Fort Bragg. Her name is Barbara Perleth and her fax number is (910)-396-9460. Thank you for your assistance in this matter and please feel free to contact me if there are any questions concerning this request.

Mike Knichel