

January 30, 1997

Commanding Officer, XVIII Airborne Corps  
Directorate of Safety  
ATTN: AFZA-SA-RP (Mr. Wilbert Evans)  
Radiation Protection Officer  
Fort Bragg, NC 28307-5000

SUBJECT: NOTIFICATION OF RECIPROCITY RECOGNITION

Gentlemen:

The enclosures to this letter are a Report of Proposed Activities in Non-Agreement States (NRC Form 241) and an Agreement State License. This notice is provided to you as a courtesy.

This office has granted recognition of an Agreement State license for activities to be performed at your federal installation. This recognition is authorized under Title 10, Code of Federal Regulations, Part 150, Section 20 (10 CFR 150.20). The license is valid for the activities and devices described and for the time frame requested. The license does not limit the licensee to a particular location.

The licensee has been notified that there may be differences between the Agreement State regulations and NRC regulations. The licensee has been informed that NRC regulations apply whenever activities are conducted within NRC jurisdiction areas.

Further notifications of activities by this licensee within your boundaries may be made. We shall notify you should this happen. Should you have any questions concerning this matter, please call me at (404) 331-5624. My fax numbers are (404) 331-7437/5559.

Sincerely,

/s/

David J. Collins, Health Physicist  
Materials Licensing/Inspection Branch 2  
Division of Nuclear Materials Safety

Enclosures:

1. Form 241--Law Engineering and  
Environmental Services, Inc.  
Raleigh, North Carolina
2. Agreement State License -  
North Carolina 092-0082-6

January 30, 1997

Commanding Officer  
ATTN: Industrial Hygiene Division  
Naval Hospital  
PSC Box 8023  
Cherry Point, North Carolina 28533-0023

SUBJECT: NOTIFICATION OF RECIPROCITY RECOGNITION

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January 30, 1997

Commanding Officer  
Navy Public Works Center  
ATTN: Tim Followell  
Radiation Safety Officer  
Code 412.3  
9742 Maryland Avenue  
Norfolk, VA 23511-3095

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January 30, 1997

Pope Air Force Base  
23rd MDOS/SGOAB  
ATTN: CAPT Laferty  
383 Maynard Street  
Pope Air Force Base, North Carolina 28308

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January 30, 1997

Seymour Johnson Air Force Base  
4 AMDS/SGPB  
ATTN: Major Henry Thompson  
Bioenvironmental Engineering  
1855 Wright Avenue  
Seymour Johnson Air Force Base, North Carolina 27531-2463

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January 30, 1997

Federal Correctional Complex  
Construction Site Office  
ATTN: Mr. Richard Gonzalez  
P.O. Box 146  
Butner, North Carolina 27509-0146

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January 30, 1997

US Department of Energy  
Savannah River Site  
ATTN: Mr. Norman Mims, Manager  
RadCon and Health Physics Department  
Westinghouse Savannah River Company  
Building 730-4B Room 330  
Savannah River Site  
Aiken, SC 29808

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NRC FORM 241 (5-86) 10 CFR 150		U. S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB: NO. 3196 Estimated burden per response is 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. Forward comments regarding burden estimate to the Information and Records Management Branch (T-8 F33), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, and to the Paperwork Reduction Project (3150-0013), Office of Management and Budget, Washington, DC 20503. NRC may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.		EXPIRES: 6/30/98	
<b>REPORT OF PROPOSED ACTIVITIES IN NON-AGREEMENT STATES</b> (Please read the instructions on the cover sheet before completing this form.)				2. TYPE OF REPORT <input checked="" type="checkbox"/> INITIAL <input type="checkbox"/> REVISION <input type="checkbox"/> CLARIFICATION		3. CONTROL NUMBER (Leave Blank - Number to be assigned by NRC)	
1. NAME OF LICENSEE (Person or firm proposing to conduct the activities described below) Law Engineering and Environmental, Inc.				5. LICENSEE CONTACT Jerry W. Hyman		7. FACSIMILE NUMBER (Include Area Code) 919-872-3253	
4. ADDRESS OF LICENSEE (Mailing address or other location where licensee may be located) 3301 Atlantic Avenue Raleigh, North Carolina 27604				8. TELEPHONE NUMBER (Include Area Code) 919-876-0416		7. FACSIMILE NUMBER (Include Area Code) 919-872-3253	
8. ACTIVITIES TO BE CONDUCTED IN NON-AGREEMENT STATES UNDER THE GENERAL LICENSE GIVEN IN 10 CFR 150.20.							
WELL LOGGING		LEAK TESTING AND/OR CALIBRATIONS		TELETHERAPY/RADIATOR SERVICE			
PORTABLE GAUGES		OTHER (Specify)					
<input checked="" type="checkbox"/> RADIOGRAPHY $\Rightarrow$		TRANSPORTATION QA PROGRAM APPROVAL NO. & REV. NO. 0242 Rev. 4		REGISTERED AS USER OF PACKAGINGS (CERTIFICATES OF COMPLIANCE NOS) 9033			
9. CLIENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE U.S. Government Fort Bragg Fayetteville, North Carolina				10. WORK LOCATION ADDRESS (Street and Number or other location. Give as complete an address or directions as possible) Fort Bragg, North Carolina			
11. CLIENT TELEPHONE NUMBER (Include Area Code) 910-497-5529		12. WORK LOCATION TECHNICIAN AUTHORIZED TO PERFORM WORK Bill Davis			13. WORK LOCATION TELEPHONE NUMBER (Include Area Code) 910-497-5529		
14. DATES SCHEDULED		15. NUMBER OF WORK DAYS		16. LOCATION REFERENCE NUMBER			
FROM 02-12-97		TO 02-13-97		1 1		LEAVE BLANK FOR INITIAL NRC FORM 241 REQUESTS NUMBER TO BE ASSIGNED BY NRC C.C.C. 1/23/97	
LIST ADDITIONAL WORK SITES ON SEPARATE SHEET TO INCLUDE ALL INFORMATION CONTAINED IN ITEMS 9-16 ABOVE.							
17. LIST RADIOACTIVE MATERIAL WHICH WILL BE POSSESSED, USED, INSTALLED, SERVICED, OR TESTED IN NON-AGREEMENT STATES. (Include description of type and quantity of radioactive material, sealed sources, or devices to be used) Iridium 192 Less than 100 Curies							
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 092-0082-6		STATE North Carolina		EXPIRATION DATE 12-31-2000		TOTAL USAGE DAYS TO DATE 0	
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 cover sheet 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.							
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. I am also aware that I will be responsible for any fees associated with such inspections.							
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 (Type/Print Name and Title) Jerry W. Hyman, Radiation Safety Officer				SIGNATURE <i>Jerry W. Hyman</i>		DATE 01-23-97	
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		AUTHORIZING OFFICIAL (Type/Print Name and Title) David J. Collins, Health Physics				SIGNATURE <i>Jerry W. Hyman</i>	
						DATE 1/23/97	



ADDITIONAL WORK SITES1997  
LRN

✓ US Government  
Cherry Point MCAS  
Havelock, NC  
(919) 466-3833  
Lee Dawkins  
1 work day  
7/5/97

000 421

US Government  
Savannah River Site  
Aiken, SC  
✓ (803) 725-6903  
B.J. Miles  
1 work day  
11/1/97

000 423

Law Engineering and Environmental  
Services, Inc.  
804 Professional Place West  
Chesapeake, VA  
(804) 436-2040  
Brian Layman  
1 work day  
5/1/97

000 425

✓ US Government  
Butner Federal Prison  
Butner, NC  
(919) 575-4999  
Richard Gonzalaz  
1 work day  
9/5/97

000 427

1997  
LRN

✓ US Government  
Pope Air Force Base  
Fayetteville, NC  
(919) 394-2306  
Sgt. Fair  
1 work day  
2/6/97

000 422

US Government  
Seymour Johnson Air Force Base  
✓ Goldsboro, NC  
(919) 736-5556  
Major Thompson  
1 work day  
8/5/97

000 424

✓ US Government  
Norfolk Naval Shipyard  
Portsmouth, VA  
(804) 396-7814  
Gene Wilson  
1 work day  
10/5/97

000 426

RADIOACTIVE MATERIALS SECTION  
DIVISION OF RADIATION PROTECTION  
N.C. DEPARTMENT OF ENVIRONMENT, HEALTH,  
AND NATURAL RESOURCES  
RADIOACTIVE MATERIALS LICENSE

Page 1 of 3 Pages

Pursuant to North Carolina Regulations for Protection Against Radiation and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, own, possess, transfer and import radioactive materials listed below; and 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 North Carolina Department of Environment, Health, and Natural Resources now or hereafter in effect and to any conditions specified below.

Licensee

1. Name: Law Engineering and Environmental Services, Inc.

2. Address: P.O. Box 18288  
Raleigh, NC 27619

3. License No.: 092-0082-6

4. Expiration Date: December 31, 2000

AMENDS IN ITS ENTIRETY

5. Amendment No. 8

6. Radioactive Material  
(element and mass no.)

7. Chemical and/or  
Physical Form

8. Maximum Amount of Radioactivity  
and/or Quantity of Radioactive  
Material which Licensee may  
Possess at any one time.

A. Iridium 192

A. Sealed Sources  
(Amersham Corp.  
Model No. A424-9)

A. No single source to exceed  
100 curies

B. Cobalt 60

B. Sealed Sources  
(Amersham Corp.  
Model A 8-A or  
S-16)

B. No single source to exceed  
100 curies

C. Iridium 192

C. Sealed Sources  
(Amersham Corp.  
Model No. 424-9)

C. No single source to exceed  
100 curies

9. Authorized Use:

A. To be used in Gamma Industries Models, Century S, Century S Universal, Century SA, Century, SA Universal and Amersham Model 660B exposure devices for industrial radiography and in Gamma Industries Model C-10 and Amersham Models 650 and 500SU and Gulf Nuclear U-110 and Amersham Models 650L source changers for storage and source exchange.

B. To be contained in a Gamma Industries Model 100A exposure device for storage only.

C. To be contained in an Amersham Corp. Model 660 radiography exposure device for storage only.

CONDITIONS

10. Radioactive material may be stored and used at licensee's facility located at 3301 Atlantic Avenue, Raleigh, NC 27604.

11. The licensee shall comply with the provisions of 15A NCAC 11 .1600, "Standards for Protection Against Radiation," and 15A NCAC 11 .1000, "Notices, Instructions, Reports and Inspections." (The North Carolina Regulations for Protection Against Radiation are contained in 15A NCAC 11.)

12. Radioactive material may only be used at temporary jobsites of the licensee anywhere in North Carolina. The North Carolina Division of Radiation Protection shall be notified of the location(s) of such use no later than three (3) days prior to the first day of use. This condition does not prohibit use in the United States where the United States Nuclear Regulatory Commission maintains jurisdiction for regulating the use of radioactive material, nor in Agreement States under reciprocity procedures which may be established by the Nuclear Regulatory Commission and/or the respective Agreement States. If for a specific case the three-day period would impose an undue hardship on the licensee, he may upon application to the agency obtain permission to proceed sooner.

RADIOACTIVE MATERIALS SECTION  
DIVISION OF RADIATION PROTECTION  
N.C. DEPARTMENT OF ENVIRONMENT, HEALTH,  
AND NATURAL RESOURCES  
RADIOACTIVE MATERIAL LICENSE

Page 2 of 3 Pages

License No. 092-0082-6

Supplementary Sheet

Conditions (continued):

- 13A. Radioactive material shall be used by Jerry W. Hyman or persons who have successfully completed the training program described in the Law Engineering Radiographic Manual. The licensee shall keep records of each person's training and qualifications that is authorized under this condition.
- B. The Radiation Safety Officer for the activities authorized by this license shall be Jerry W. Hyman.
14. Pursuant to 15 NCAC 11 .0507, the licensee is authorized to perform tests for leakage or contamination of the sealed sources authorized by this license 092-0082-6, or tests may be performed by other persons specifically authorized by this agency to perform such services.
15. Notwithstanding the periodic leak test required by 15 NCAC 11 .0507, such requirement does not apply to radiography sources that are stored and not being used. The sources exempted from this test shall be tested for leakage prior to any use or transfer to another person unless they have been leak tested within six (6) months prior to the date of use or transfer.
16. The licensee is authorized to receive, possess and use sealed sources of Iridium 192 or Cobalt 60 where the radioactivity exceeds the maximum amount of radioactivity specified in Item 8 of this license provided:
  - A. Such possession does not exceed the quantity per source specified in Item 8 by more than 20% for Iridium 192 or 10% for Cobalt 60;
  - B. Records of the licensee show that no more than the maximum amount of radioactivity per source specified in Item 8 of the license was ordered from the supplier or transferor of the radioactive material; and
  - C. The levels of radiation for radiographic exposure devices and storage containers do not exceed those specified in 15A NCAC 11 .0503.
17. The licensee is authorized to possess, use and transfer up to 1000 pounds of Uranium contained as shielding material in the radiography exposure devices authorized by this license.
18. The licensee shall conduct a program for inspection and maintenance of radiography exposure devices and storage containers to assure proper functioning of components important to safety. The inspection and maintenance program shall be conducted at intervals not to exceed three (3) months. Records of the results shall be maintained for inspection by the agency.
19. 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 specific condition of this license pursuant to the requirements of 15 NCAC 11 .1628.
20. The licensee may transport licensed material or deliver licensed material to a carrier for transport, in accordance with the provisions of Section 71.5, Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Material For Transport."
21. Sealed sources of radioactive material shall not be combined for use in open air techniques to produce a radiation level in excess of the level produced by the largest single source authorized by this license for open air use.

RADIOACTIVE MATERIALS SECTION  
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Page 3 of 3 Pages

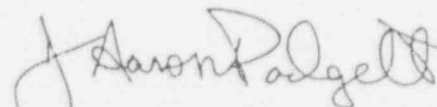
License No. 092-0082-6

Supplementary Sheet

Conditions (continued):

22. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material described in Items 6, 7 and 8 of this license in accordance with statements, representations and procedures contained in:
- A. Application with attachments dated November 30, 1995, signed by Donald B. Chandler, Managing Principal, AVP; and, letter with attachments dated February 1, 1996, signed by Jerry W. Hyman, R.S.O., and Donald B. Chandler, Managing Principal, AVP.

Date of Issuance: March 22, 1996



For: Dayne H. Brown  
Director, Division of Radiation Protection