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SAILORS ENGINEERING ASSOCIATES, INC.

1675 SPECTRUM DRIVE • LAWRENCEVILLE, GEORGIA 30043 • TEL (770) 962-5922 • FAX 962-7964

June 7, 2001

Regional Administrator  
Division of Nuclear Material Safety  
U.S. Nuclear Regulatory Commission, Region II  
Sam Nunn Atlanta Federal Center  
61 Forsyth Street, SW Suite 23785  
Atlanta, Georgia 30303-8931

RE: Request for Reciprocity in a Non-Agreement State

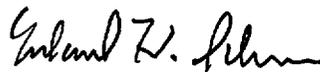
Gentlemen,

Enclosed is a copy of the completed NRC Form 241, a copy of our Georgia Radioactive Materials License and a check for \$1,200 to cover the registration fee to obtain reciprocity in accordance with 10 CFR 150.20. Please accept the enclosed items and this letter as a request for reciprocity so that one of our licensed users can transport and operate a portable nuclear density gauge in Michigan.

If we need to provide additional information, please contact us at your convenience.

Respectfully submitted,

SAILORS ENGINEERING ASSOCIATES, INC.



Leland H. Schuman, P.E.  
Project Engineer  
Radiation Safety Officer

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-6 E6), 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, NEOB-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) <b>Sailors Engineering Associates, Inc.</b>		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) <b>1675 Spectrum Drive Lawrenceville, Georgia 30043</b>		4. LICENSEE CONTACT AND TITLE <b>Leland Schuman, PE. Project Engineer (Radiation Safety Officer)</b>	
		5. TELEPHONE NUMBER (Include Area Code) <b>(770) 962-5922</b>	6. FACSIMILE NUMBER (Include Area Code) <b>(770) 962-7964</b>

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 <b>JDN Development Company, Inc. 359 East Paces Ferry Road Suite 450 Atlanta, Fulton County, Georgia 30305 (Joel Mabry, Project Manager)</b>	9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION (Street and Number or other location. Give as complete an address or directions as possible.) <b>Retail/Shopping Center Development at the northeast corner of Interstate 94 and Michigan Hwy 59 (Hall Rd) Chesterfield Township, Macomb County, Michigan 48051</b>
10. CLIENT TELEPHONE NUMBER (Include Area Code) <b>(404) 262-3252</b>	11. WORK LOCATION TELEPHONE NUMBER (Include Area Code) <b>(678) 642-3876</b>

12. DATES SCHEDULED		13. NUMBER OF WORK DAYS	14. ADD	15. DELETE	16. LOCATION REFERENCE NUMBER
FROM <b>June 9, 2001</b>	TO <b>December 1, 2001</b>	<b>160</b>	<b>20</b>	<b>20</b>	NUMBER TO BE ASSIGNED BY NRC

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 - 3440A portable nuclear density gauge  
Serial # 14887 - 8.0 meq of CS-137 + 40 meq of AM-241:BE**

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 <b>GA 114-1.11</b>	STATE <b>GA</b>	EXPIRATION DATE <b>Jan 31, 2002</b>
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19. CERTIFICATION (MUST BE COMPLETED BY APPLICANT)

I, THE UNDERSIGNED, HEREBY CERTIFY THAT:

- All information in this report is true and complete.
- 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.
- 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.
- 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 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) <b>Leland Schuman, Project Engineer</b>	SIGNATURE <i>Leland Schuman</i>	DATE <b>6/7/01</b>
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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)	SIGNATURE	DATE	TOTAL USAGE - DAYS TO DATE
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# Georgia Department of Natural Resources

4244 International Parkway, Suite 114, Atlanta, Georgia 30354  
Lonice C. Barrett, Commissioner  
Harold F. Reheis, Director  
Environmental Protection Division  
404/362-2675

## 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.

Page 1 of 4 Pages  
License Number GA 114-1  
Amendment Number .11

### Corrected copy

#### License (1. Name and 2. Address)

Sailors Engineering Associates, Inc.  
1675 Spectrum Drive  
Lawrenceville, GA. 30243

3. In accordance with letter dated March 26, 1998, **License Number GA. 114-1** is amended in its entirety to read as follows:
4. **Expiration Date:** January 31, 2002
5. **Telephone Number:** 770 962-5922  
**Facsimile Number:** 770 962-7964

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/Americium 241:Beryllium	A. Sealed Source (Universal Radioisotopes, Inc. model 115)	A. 10 millicuries of Cesium 137 and 50 millicuries of Americium 241:Beryllium
B. Cesium 137	B. Sealed Source (Troxler Dwg. A-102112)	B. 90 millicuries maximum. No single source to exceed 9 millicuries
C. Americium 241 :Beryllium	C. Sealed Source (Troxler Dwg. A-102451)	C. 440 millicuries maximum. No single source to exceed 44 millicuries
D. Cesium 137	D. Sealed Source (Humboldt Scientific Dwg 2200064)	D. 11 millicuries
E. Americium 241	E. Sealed Source (Humboldt Scientific Dwg. 2200067)	E. 44 millicuries
F. Cesium 137	F. Sealed Source (CPN Model 131)	F. No single source to exceed 10 millicuries
G. Americium 241:Be	G. Sealed Source (CPN Model 131)	G. No single source to exceed 50 millicuries

# Georgia Department of Natural Resources

## Radioactive Materials License

### Supplementary Sheet

Page 2 of 4 Pages

License Number GA 114-1

Amendment Number .11

#### Corrected Copy

#### 9. AUTHORIZED USE

- A. For storage only.
- B. and C. For use in Troxler Electronic Laboratories, Inc. model 3400 series moisture density gauge.
- D. and E. For use in Humboldt Scientific Corporation Model 5001P moisture density gauge.
- F. and G. For use in a CPN Model MC-3 protaprobe nuclear density gauge.

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#### CONDITIONS

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- 10. Radioactive material shall be stored at 1675 Spectrum Drive, Lawrenceville, GA, 30243. 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	Renewal fee	\$ 500
Amendment fee	\$ 380	Routine Inspection fee	\$1200
Non-routine Inspection fee	\$1200	Annual fee	\$ 500

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  
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.

# Georgia Department of Natural Resources

## Radioactive Materials License

### Supplementary Sheet

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License Number GA 114-1

Amendment Number .11

#### Corrected Copy

#### Conditions (continued)

13. The Radiation Safety Officer in this program shall be Leland Schuman.
14. Licensed material shall be used by or used under the supervision and in the physical presence of individuals who have successfully completed the manufacturer's training program for gauge users, 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.
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 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 or removed from their respective source holders 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. 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 of radiation is removed from storage and returned to storage.

# Georgia Department of Natural Resources

## Radioactive Materials License

### Supplementary Sheet

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License Number GA 114-1  
Amendment Number .11

#### Corrected Copy

#### Conditions (continued)

22. 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.
23. 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.
24. 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 January 13, 1997, signed Bruce Smith, Department Inspection Manager.
  - B. Letter dated February 11, 1997, signed Bruce Smith, Department Inspection Manager.
  - C. Letter dated March 26, 1998, signed Jim Sailors, P.E., Principal Engineer.
  - D. Letter dated February 23, 2001, and signed by Jim D. Sailors, P.E., Principal Engineer.

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.

FOR THE DEPARTMENT OF NATURAL RESOURCES

Date: April 24, 2001

BY: 