



| NRC FORM 241<br>(A-2002)  |  | U.S. NUCLEAR REGULATORY COMMISSION            |  | APPROVED BY OMB: NO. 3150-0013<br>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 (1-6 E6), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by Internet e-mail to <a href="mailto:infocoll@nrc.gov">infocoll@nrc.gov</a> , 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. |  | EXPIRES: 08/31/2005   |  |
|---|--|---|--|---|--|---|--|
| <b>REPORT OF PROPOSED ACTIVITIES IN<br/>NON-AGREEMENT STATES, AREAS OF EXCLUSIVE<br/>FEDERAL JURISDICTION, OR OFFSHORE WATERS</b><br>(Please read the instructions before completing this form)   |  |   |  |   |  |   |  |
| 1. NAME OF LICENSEE (Person or firm proposing to conduct the activities described below)<br><b>LARRY M. JACOBS &amp; ASSOCIATES, INC.</b>   |  |   |  | 2. TYPE OF REPORT<br><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)<br><b>328 EAST GADSDEN STREET<br/>PENSACOLA, FL 32501</b>  |  |   |  | 4. LICENSEE CONTACT AND TITLE<br><b>TIM EARLE, RSO</b>  |  |   |  |
|   |  |   |  | 5. TELEPHONE NUMBER<br>(Include Area Code)<br><b>850-244-6693</b>   |  | 6. FACSIMILE NUMBER<br>(Include Area Code)<br><b>850-244-4296</b>                     |  |
| 7. ACTIVITIES TO BE CONDUCTED UNDER THE GENERAL LICENSE GIVEN IN 10 CFR 150.20<br><input type="checkbox"/> WELL LOGGING <input type="checkbox"/> LEAK TESTING AND/OR CALIBRATIONS <input type="checkbox"/> THERAPY/IRRADIATOR SERVICE<br><input checked="" type="checkbox"/> PORTABLE GAUGES <input type="checkbox"/> OTHER (Specify) <b>=&gt;</b> _____<br><input type="checkbox"/> RADIOGRAPHY <b>=&gt;</b> _____<br>REGISTERED AS USER OF PACKAGING (CERTIFICATES OF COMPLIANCE NUMBERS) _____ |  |   |  |   |  |   |  |
| 8. CLIENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE<br><b>EGLIN A.F.B. AND SURROUNDING<br/>RESERVATION, TO INCLUDE TEST<br/>SITES, DUKE FIELD, RANGER CAMP<br/>SITE C-6</b>   |  |   |  | 9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION<br>(Street and Number or other location. Give as complete an address or directions as possible)<br><b>DAILY SCHEDULE WITH PROJECT<br/>NAME, BLDG.#, SITE # AS APPROPRIATE</b>   |  |   |  |
|   |  |   |  | 10. CLIENT TELEPHONE NUMBER<br>(Include Area Code)<br><b>N/A</b>  |  | 11. WORK LOCATION TELEPHONE NUMBER<br>(Include Area Code)<br><b>N/A</b>               |  |
| 12. DATES SCHEDULED   |  | 13. NUMBER OF<br>WORK DAYS                    |  | 14. ADD   |  | 15. DELETE  |  |
| FROM<br><b>1.13.03</b> TO<br><b>12.31.03</b>  |  | <b>NOT TO<br/>EXCEED<br/>180 DAYS</b>         |  |   |  |   |  |
|   |  |   |  |   |  | 16. LOCATION<br>REFERENCE NUMBER<br>NUMBER TO BE<br>ASSIGNED BY NRC<br><b>0000 47</b> |  |
| 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<br>(Include description of type and quantity of radioactive material, sealed sources, or devices to be used.)  |  |   |  |   |  |   |  |
| 18. AGREEMENT STATE SPECIFIC LICENSE WHICH AUTHORIZES THE UNDERSIGNED TO CONDUCT<br>ACTIVITIES WHICH ARE THE SAME, EXCEPT FOR LOCATION OF USE, AS SPECIFIED IN ITEM 9.<br>ABOVE. (Four copies of the specific license must accompany the initial NRC Form 241.)   |  |   |  | LICENSE NUMBER<br><b>1508-2</b>   |  | STATE<br><b>FL</b>  |  |
|   |  |   |  | EXPIRATION DATE<br><b>3/31/03</b>   |  |   |  |
| 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 OFFICIAL: (Name and Title)<br><b>TIM EARLE, R.S.O. MANAGER</b>   |  |   |  | SIGNATURE<br>   |  | DATE<br><b>1.6.03</b>   |  |
| 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<br>USE ONLY   |  | KIR<br>Janice H. Kirby<br>Licensing Assistant |  | d Title<br>SIGNATURE<br>  |  | DATE<br><b>1/6/03</b>   |  |
|   |  |   |  |   |  | TOTAL USAGE -- DAYS TO DATE   |  |

| Fiscal Year | Priority | Project No. | Project Description                                      | Design Manager | Office | Bldg No. | ACF % | PA     | Est. Date   | Est. Date   |
|-------------|----------|-------------|--|----------------|--------|----------|-------|--------|-------------|-------------|
| 2003        | 1.0      | FTFA011180  | HPR WINDOW SEALS/EXT JOINTS BLDG 53RD GROUP HDQRTS       | MARCUS         | SRMC   | 00351    | 35    | 200000 | 11-NOV-2002 | 31-JAN-2003 |
|             | 2.0      | FTFA031028  | RENOVATE 19D FOR ALS                                     | TRAPANE        | SRMC   | 00019    | 5     | 650000 | 17-DEC-2002 | 31-JAN-2003 |
|             | 3.0      | FTFA001055  | RESTORE COVER NAVY IGLCOS                                | HAMILTON       | SRMC   | 01100    | 0     | 60000  | 08-JAN-2003 | 28-FEB-2003 |
|             | 4.0      | FTFA011258  | REPAIR MAIN BASE SUBSTATION PH2                          | PERKINS        | SRMC   | 00400    | 100   | 600000 | 01-NOV-2002 | 31-JAN-2003 |
|             | 5.0      | FTFA011200  | REPLACE WATER WELL PUMPS                                 | HUSKINS        | SRMC   | 01029    | 0     | 75000  | 13-JAN-2003 | 30-APR-2003 |
|             | 6.0      | FTFA001190  | REPLACE DIGESTER FLD 6 STP                               | NEWELL         | SRMC   | 06049    | 0     | 75000  | 20-DEC-2002 | 31-MAR-2003 |
|             | 7.0      | FTFA021240  | REPL ELECTRICAL SERVICE ENTRANCE/SECTIONALIZE BLDG 11/13 | GAMMONS        | SRMC   | 03011    | 0     | 300000 | 10-DEC-2002 | 14-FEB-2003 |
|             | 8.0      | FTFA001110  | INSTL GRIT CHAMBER LIFT STATION                          | ALLEN          | SRMC   | 06545    | 100   | 200000 | 01-NOV-2000 | 07-APR-2001 |
|             | 9.0      | FTFA011117  | REPAIR ELECTRICAL SYSTEM KING HANGAR                     | ONDIC          | SRMC   | 09130    | 0     | 700000 | 10-JAN-2003 | 31-MAY-2003 |
|             | 10.0     | FTFA021148  | REPLACE BRIDGE ROCKY CREEK RR 200                        | ALLEN          | SRMC   | 12008    | 0     | 300000 | 13-JAN-2003 | 16-MAY-2003 |
|             | 11.0     | FTFA001109  | REPLACE SEWER LINE COBBS OVERRUN                         | CARNDUFF       | SRMC   | 11055    | 0     | 600000 | 24-JAN-2003 | 28-MAR-2003 |
|             | 12.0     | FTFA0711700 | REPLACE BAK-12 30 END OF ROW 12/30                       | NEWELL         | SRMC   | 12045    | 0     | 450000 | 16-DEC-2002 | 28-FEB-2003 |
|             | 13.0     | FTFA031047  | REPL LIGHTING HOSPITAL HELIPAD                           | PERKINS        | SRMC   | 02824    | 0     | 100000 | 02-DEC-2002 | 31-MAR-2003 |
|             | 14.0     | FTFA031249  | REPAIR PAPI SYSTEM RUNWAYS                               | PERKINS        | SRMC   | 11067    | 0     | 650000 | 02-DEC-2002 | 31-MAR-2003 |
|             | 15.0     | FTFA001178  | REPL GENERATORS CONTROL TWRBASE OPS FLD 3                | GAMMONS        | SRMC   | 03059    | 0     | 250000 | 11-DEC-2002 | 28-FEB-2003 |
|             | 16.0     | FTFA081038  | UPGRADE LIFT STATION FLD 3                               | NEWELL         | SRMC   | 03045    | 95    | 110000 | 29-MAR-2002 | 31-JAN-2003 |
|             | 17.0     | FTFA021132  | UPGRADE LIGHTING 33FW HANGAR (BLDG 1318)                 | ONDIC          | SRMC   | 01318    | 0     | 100000 | 03-FEB-2003 | 01-MAY-2003 |
|             | 18.0     | FTFA031025  | REPAIR DECK WEST SIDE POOL                               | DDE            | SRMC   | 10996    | 0     | 150000 | 06-JAN-2003 | 31-JAN-2003 |
|             | 19.0     | FTFA001100  | RUNWAY STRIPING RUBBER REMOVAL                           | NEWELL         | SRMC   | 11004    | 0     | 200000 | 02-DEC-2002 | 13-DEC-2002 |
|             | 20.0     | FTFA031026  | CORROSION CONT ELEV WATER TANK                           | WASHINGTON     | SRMC   | MULTI    | 0     | 300000 | 05-DEC-2002 | 28-FEB-2003 |

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01/05/03 03:04am P. 002

**STATE OF FLORIDA  
DEPARTMENT OF HEALTH  
BUREAU OF RADIATION CONTROL**

**RADIOACTIVE MATERIALS LICENSE**

Pursuant to Chapter 404, Florida Statutes, and Chapter 64E-5, Florida Administrative Code (F.A.C.), and in reliance on statements and representations heretofore made by the licensee designated below, a license is hereby issued authorizing such licensee to receive, acquire, possess and transfer the radioactive material(s) designated below and to use such radioactive material(s) for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations and orders of the state of Florida, Department of Health now or hereafter in effect and to any conditions specified below.

|             |  |  |
|-------------|--|--|
| Licensee    |  | 3. License Number: <b>1508-2</b>   |
| 1. Name:    | <b>LARRY M. JACOBS AND ASSOCIATES, INC.</b>            | is hereby renewed in its entirety, with reference to application dated 2/9/1998. |
| 2. Address: | <b>328 East Gadsden Street<br/>Pensacola, FL 32501</b> | 4. Expiration Date: <b>03/31/2003</b>  |
|             |  | 5. Category: <b>3L(I)</b>  |

| 6. Radioactive Material<br>(element and mass<br>number) | 7. Chemical And/Or Physical Form  | 8. Maximum Quantity Licensee May<br>Possess At Any One Time |
|---|---|---|
| A. Cesium 137   | A. Sealed source (Troxler Electronic Laboratories, Inc. Drawing Number A-102112)        | A. 1 source not to exceed 9 millicuries                     |
| B. Americium 241:<br>beryllium                          | B. Sealed source (Troxler Electronic Laboratories, Inc. Drawing Number A-102451)        | B. 1 source not to exceed 44 millicuries                    |
| C. Cesium 137   | C. Sealed source (Boart Longyear Company CPN Products [formerly CPN Co.] Model CPN-131) | C. 1 source not to exceed 10 millicuries                    |
| D. Americium 241:<br>beryllium                          | D. Sealed source (Boart Longyear Company CPN Products [formerly CPN Co.] Model CPN-131) | D. 1 source not to exceed 50 millicuries                    |

License Number: 1508-2  
Amendment No.: 2  
Control Number: 980210-0168

LICENSEE COPY

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| 6. Radioactive Material<br>(element and mass<br>number) | 7. Chemical And/Or Physical Form                                       | 8. Maximum Quantity Licensee May<br>Possess At Any One Time |
|---|--|---|
| E. Cesium 137   | E. Sealed source (Humboldt<br>Scientific, Inc. Drawing No.<br>2200064) | E. 1 source not to exceed<br>11 millicuries                 |
| F. Americium 241:<br>beryllium                          | F. Sealed source (Humboldt<br>Scientific, Inc. Drawing No.<br>2200067) | F. 1 source not to exceed<br>44 millicuries                 |

| 9. Authorized Use  |
|--|
| A. and B. To be used in Troxler Electronic Laboratories, Inc. Model 3400 Series moisture/density gauges to measure properties of construction materials or soils.                    |
| C. and D. To be used in Boart Longyear Company CPN Products (formerly CPN Company) Model MC Series moisture/density gauges to measure properties of construction materials or soils. |
| E. and F. To be used in Humboldt Scientific, Inc. Model 5001 moisture/density gauges to measure properties of construction materials or soils.                                       |

**CONDITIONS**

10. A. The authorized place of use shall be temporary job sites of the licensee throughout the state of Florida. This condition does not prohibit use in other agreement states and states under the jurisdiction of the U.S. Nuclear Regulatory Commission (NRC) under reciprocity which has been approved by an agreement state or the NRC.
- B. The authorized place of storage shall be at licensee's facility located at 406 Stokes Avenue, Suite 2A, Fort Walton Beach, Florida 32548.
11. Failure to comply with the provisions of this license is a felony of the third degree pursuant to section 404.161, Florida Statutes. Also, violations may warrant an administrative fine of up to \$1,000.00 per violation per day, pursuant to section 404.162, Florida Statutes.
12. A. Licensed materials shall be used by, or under the supervision and in the physical presence of, individuals who have successfully completed a training program for gauge users accepted by the department. The licensee shall maintain documentation of training, to include valid training certificates, of each user for the duration of employment of the individual or 5 years, whichever is greater.

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BUREAU OF RADIATION CONTROL**

12. B. The radiation safety officer is Ronald L. Welch.
13. The licensee shall comply with the provisions of Chapter 64E-5, F.A.C., Part IX, "Notices, Instructions and Reports to Workers; Inspections" and Part III, "Standards for Protection Against Radiation."
14. The licensee shall not transfer possession or control of radioactive material, or products containing radioactive material as a contaminant except:
- A. By transfer to a specifically licensed recipient; or
- B. As provided otherwise by specific provision of his license pursuant to the requirements of Chapter 64E-5, F.A.C.
15. Radioactive material transported on public thoroughfares shall be packaged, prepared for shipment and transported in accordance with Title 49, Code of Federal Regulations and Chapter 64E-5, F.A.C.
16. The licensee shall assure that each sealed source is tested for leakage or contamination and follow the appropriate actions as required by section 64E-5.1303, F.A.C. Licensed material listed in Items 6, 7, 8, and 9, Subitems A, B, E, and F, shall be tested at least semiannually. Licensed material listed in Items 6, 7, 8, and 9, Subitems C and D, shall be tested at least annually. The test sample (smear) shall be taken by the licensee using an approved leak test kit. Analysis of the test sample shall be performed by individuals who are licensed by the department, NRC, agreement state, or licensing state to provide these services. The licensee is required to retain leak test records containing the manufacturer's name, model and serial number of each sealed source tested, identity of each sealed source radionuclide and its estimated activity, the measured activity of each test sample expressed in microcuries, the date of the test and signature of the radiation safety officer or designee. The records shall be maintained for 3 years for inspection by the department.
17. The licensee shall conduct a physical inventory and inspection at least semiannually to account for all sealed sources received and possessed under this license as required by section 64E-5.1304, F.A.C. Inventory records shall be maintained for 3 years from the date of the inventory for inspection by the department, and shall include the manufacturer's name, model and serial numbers of each sealed source, the identity of each sealed source radionuclide and its estimated activity, the location of each sealed source, the date of the inventory and the signature of the radiation safety officer or designee.

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18. A. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, 8, and 9 of this license in accordance with statements, representations and procedures contained in the licensee's application dated February 9, 1998, signed by Larry M. Jacobs, President, and correspondence dated March 23, 1998, signed by Daniel R. Henderson, Laboratory Manager.
- B. The licensee shall comply with all applicable requirements of Chapter 64E-5, Florida Administrative Code, and these regulations shall supersede the licensee's statements in applications or correspondence, unless the statements are more restrictive than the regulations.

For the Bureau of Radiation Control

Issuance Date: APR 09 1998

  
Joy Stephenson  
Environmental Specialist  
1317 Winewood Boulevard  
Tallahassee, FL 32399-0700  
(850) 487-2437

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