



A Teledyne Technologies Company

Cummings Research Park
300 Sparkman Drive, NW
P.O. Box 070007
Huntsville, Alabama 35807-7007
256.726.1000

NSSII-03-0014
Task 0001

February 5, 2003

Regional Administrator
Division of Nuclear Material Safety
ATTN: Reciprocity Request
U.S. Nuclear Regulatory Commission, Region II
Sam Nunn Atlanta Federal Center
61 Forsyth Street, S.W., Suite 23T85
Atlanta, GA 30303-8931

Subject: Report of Proposed Activities in Non-Agreement State

Dear Madam or Sir:

Provided herewith is the original plus one copy of a completed NRC Form 241, Report of Proposed Activities in Non-Agreement States, Areas of Exclusive Federal Jurisdiction, or Offshore Waters, along with four copies of the Alabama License referenced in block 18. Also enclosed is a check for \$1400.00 to cover the applicable fee.

Please direct all correspondence regarding the subject report to the following individual:

Mr. Lloyd F. Silva (MS-30)
Teledyne Brown Engineering
P.O. Box 070007
Huntsville, AL 35807-7007

If any additional information is desired, please contact Mr. Lloyd F. Silva at (256) 726-5460, FAX (256) 726-2159, or via e-mail at lloyd.silva@tbe.com.

Sincerely,

TELEDYNE BROWN ENGINEERING, INC.

W.A. Meyer
Director, Product Assurance

Enclosures: Completed NRC Form 241, Report of Proposed Activities in Non-Agreement States, Areas of Exclusive Federal Jurisdiction, or Offshore Waters, March, 2003, with enclosures;
Check for \$1400.00, payable to the U.S. Nuclear Regulatory Commission, February, 2003

cc: TBE/W.A. Meyer (w/encl)
TBE/Vanessa Stelly (w/encl)
TBE/Lloyd Silva (w/encl)
TBE/Ken Bender (w/encl)
TBE/CM/DM (w/encl)

Task 0001 file (w/encl)
NSSC II file (letter only)

**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) Teledyne Brown Engineering | | 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) 300 Sparkman Drive P.O. Box 070007 Huntsville, AL 35807-7007 | | 4. LICENSEE CONTACT AND TITLE Lloyd Silva, Product Assurance Manager | |
| | | 5. TELEPHONE NUMBER (Include Area Code) (256) 726-5460 | 6. FACSIMILE NUMBER (Include Area Code) (256) 726-2159 |

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 Post Safety Office U.S. Army Fort Richardson Anchorage, Alaska 99505 | 9. ACTUAL PHYSICAL ADDRESS OF WORK LOCATION (Street and Number or other location. Give as complete an address or directions as possible.) Amino Storage Area "A" Fort Richardson Anchorage, Alaska 99505 |
| 10. CLIENT TELEPHONE NUMBER (Include Area Code) (907) 384-2383 | 11. WORK LOCATION TELEPHONE NUMBER (Include Area Code) (907) 384-2383 |

| | | | | |
|-------------------------------|-------------------------|---------|------------|---|
| 12. DATES SCHEDULED | 13. NUMBER OF WORK DAYS | 14. ADD | 15. DELETE | 16. LOCATION REFERENCE NUMBER |
| FROM: 4/11/2003 TO: 9/30/2003 | 177 173 | | | NUMBER TO BE ASSIGNED BY NRC 000 4/6 |

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.)
Hydrogen 3, sealed source (Safety Light Corp. Models 508-2 and 508-3), Maximum 300 millicuries, in a Model 200EC Electron Capture Detector, in an LMP 10 Tracer Gas Monitor.

| | | | |
|---|------------------------|-------------|------------------------------|
| 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 1198 | STATE AL | EXPIRATION DATE 9/30/2006 |
|---|------------------------|-------------|------------------------------|

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 OFFICER - RSO or Management Representative (Name and Title) W.A. Meyer, Director, Product Assurance | SIGNATURE <i>W.A. Meyer</i> | DATE 2/05/03 |
|---|--------------------------------|-----------------|

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 | Janice H. Kirby Licensing Assistant | and Title) | SIGNATURE <i>Janice Kirby</i> | DATE 2/11/03 | TOTAL USAGE -- DAYS TO DATE |
|------------------|--|------------|----------------------------------|-----------------|-----------------------------|

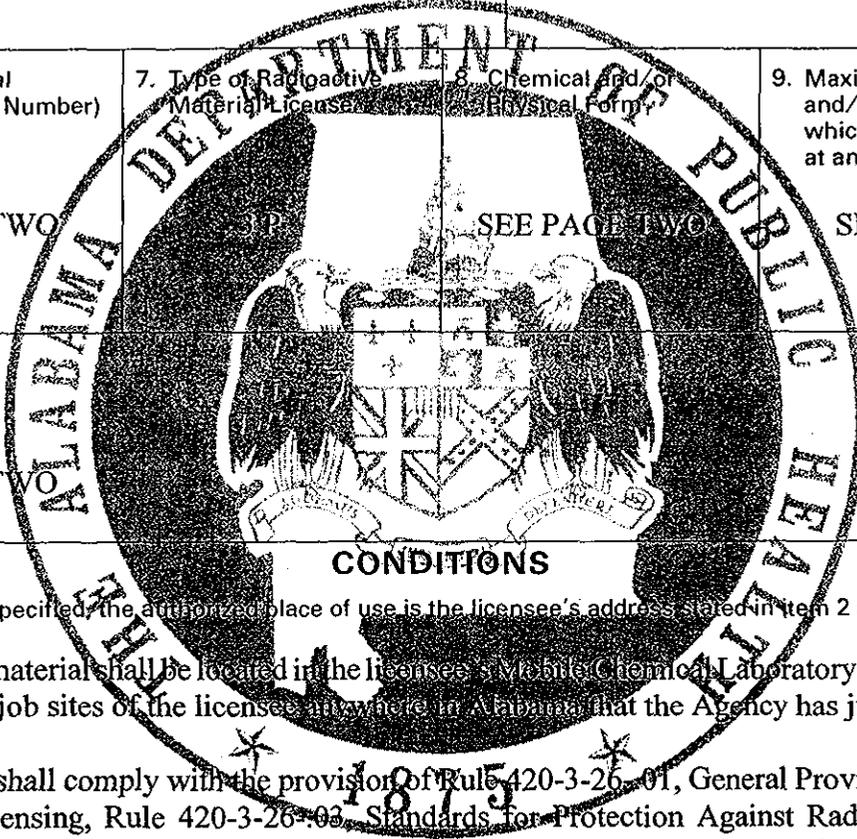
ALABAMA DEPARTMENT OF PUBLIC HEALTH

RADIOACTIVE MATERIAL LICENSE

AMENDMENT NO. 8

Pursuant to the Alabama Department of Public Health Rules, and in reliance on statements and representations heretofore made by the licensee, 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 of the Alabama Department of Public Health now or hereafter in effect and to any conditions specified below.

| | | | |
|--|---|-------------------------------------|---|
| LICENSEE | | 3. License Number | 1198 is amended in its entirety to read: |
| 1. Name | Teledyne Brown Engineering 300 Sparkman Drive | 4. Expiration Date | September 30, 2006 |
| 2. Address | P.O. Box 070007 Huntsville, Alabama 35807-7007 | 5. File No. | |
| 6. Radioactive Material (Element and Mass Number) | 7. Type of Radioactive Material License | 8. Chemical and/or Physical Form | 9. Maximum Radioactivity and/or quantity of material which licensee may possess at any one time. |
| SEE PAGE TWO | SEE PAGE TWO | SEE PAGE TWO | SEE PAGE TWO |
| 10. Authorized Use | SEE PAGE TWO | | |



CONDITIONS

11. Unless otherwise specified, the authorized place of use is the licensee's address, stated in item 2 above.
12. Radioactive material shall be located in the licensee's Mobile Chemical Laboratory, and may be used at temporary job sites of the licensee anywhere in Alabama that the Agency has jurisdiction.
13. The licensee shall comply with the provision of Rule 420-3-26-.01, General Provisions, Rule 420-3-26-.02, Licensing, Rule 420-3-26-.03, Standards for Protection Against Radiation, and Rule 420-3-26-.10, Notices, Instructions, and Reports to Workers; Inspections, of Chapter 420-3-26, Radiation Control, Alabama Administrative Code.
14. A. **Radioactive material listed in Subitem 6.A. shall only be used by individuals who have successfully completed training as described in the licensee's submitted *U.S. Army Non-Stockpile Systems Program Radiation Safety Manual* dated January 1998, and who have been approved by Wesley Cleveland, Radiation Safety Officer.**

SUPPLEMENTARY SHEET

Continued From Page 1

License Number 1198
Amendment No. 8

| | | |
|--|---|--|
| 6. Radioactive Material (Element and mass number) | 8. Chemical and/or Physical Form | 9. Maximum Radioactivity and/or quantity of material which license may possess at any one time |
| A. Hydrogen 3 | A. Sealed Sources (Safety Light Corporation Models 508-2 and 508-3) | A. No single source to exceed 300 millicuries |
| B. Californium 252 | B. Sealed Source (Frontier Technology Corporation Model 100) | B. 1 microgram |

A. Authorized Uses

A. To be used in Lagus Applied Technology, Inc. Model EC-200 devices in a Model LMP-10 tracer gas monitor to measure tracer gasses.

B. **Calibration and reference source.**

ALABAMA DEPARTMENT OF PUBLIC HEALTH
RADIOACTIVE MATERIAL LICENSE

Continued

Supplementary Sheet

License Number 1198Amendment No. 8

CONDITIONS

- B. Radioactive material listed in Subitem 6.B. shall only be used by individuals who have successfully completed training as described in the licensee's submitted Radiation Protection Manual, Revision A, dated June, 2000, and who have been approved by Wesley Cleveland, Radiation Safety Officer.**
15. Sealed sources containing radioactive material shall not be opened.
16. **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 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 microcurie 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 Agency.**
- C. If the test reveals the presence of 0.005 microcurie 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 Agency regulations. A report shall be filed within five (5) days of the test with the Director, Office of Radiation Control, Alabama Department of Public Health, Montgomery, Alabama 36130, describing the equipment involved, the test results, and the corrective action taken.**
- D. Wesley Cleveland is authorized to collect leak test samples for analysis by approved leak test kit suppliers. Alternatively, tests for leakage and/or contamination may be performed by persons specifically authorized by the Agency, the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.**

ALABAMA DEPARTMENT OF PUBLIC HEALTH
RADIOACTIVE MATERIAL LICENSE

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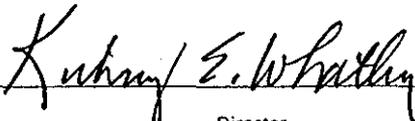
Supplementary Sheet

License Number 1198Amendment No. 8

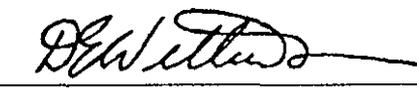
CONDITIONS

17. Except as specifically provided otherwise in this license, the licensee shall conduct its radiation safety program in accordance with statements, representations, and procedures contained in the documents, including any enclosures, listed below. Alabama's Radiation Protection Rules shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the rules.
- A. Application dated August 27, 2001, signed by W. A. Meyer, with attachments.
 - B. Letter dated May 14, 2002, signed by W. A. Meyer, with attachments.
 - C. Letters dated February 5, and May 30, 2002, signed by W.A. Meyer, with attachments.
 - D. Licensee's Radiation Protection Manual, Revision A, dated June 2000.

Date of Issuance June 4, 2002



Director
DIVISION OF RADIATION CONTROL



Donald E. Williamson, M.D.
State Health Officer
ALABAMA DEPARTMENT OF PUBLIC HEALTH