

STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES
OFFICE OF RADIATION CONTROL

RADIOACTIVE MATERIALS LICENSE

Pursuant to Chapter 404, Florida Statutes, and Chapter 10D-91, 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 and Rehabilitative Services now or hereafter in effect and to any conditions specified below.

Licensee		With reference to correspondence dated 7/8/1996, State of Florida Radioactive Materials 3. License Number: 1136-4 is hereby renewed in its entirety to read as follows:
1. Name:	UNIVERSAL ENGINEERING SCIENCES, INC.	
2. Address:	820 Brevard Avenue Rockledge, FL 32955	4. Expiration Date: 8/31/2001 5. Category: 3L(I)
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	A. Sealed source (Troxler Electronic Laboratories, Inc. Drawing Number A-102112)	A. 4 sources; not to exceed 9 millicuries each
B. Americium 241: beryllium	B. Sealed source (Troxler Electronic Laboratories, Inc. Drawing Number A-102451)	B. 4 sources; not to exceed 44 millicuries each

9. AUTHORIZED USES

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.

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.

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B. The authorized place of storage shall be at licensee's facility located at the address in Item 2.

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.

B. The radiation safety officer is GARY GATES

13. The licensee shall comply with the provisions of Chapter 10D-91, F.A.C., Part X, "Notices, Instructions and Reports to Workers; Inspections" and Part IV, "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 10D-91, 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 10D-91, 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 10D-91.1404, F.A.C. Licensed material shall be tested at least semiannually. 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.

License Number: 1136-4
Amendment No.: 6
Control Number: 960711-0706

INSPECTION COPY

Category: [3L(I)]

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Expiration Date: 8/31/2001

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- 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 10D-91.1405, 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.

- 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 July 8, 1996, signed by David Agee, Regional Manager and correspondence dated August 16, 1996, signed by R. Kenneth Derrick, Vice President and Seymour D. Israel, President.

- B. The licensee shall comply with all applicable requirements of Chapter 10D-91, 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 Office of Radiation Control

ORIGINAL SIGNED BY
LARRY M. SHINGLER

Larry M. Shingler
Health Physicist
1317 Winewood Boulevard
Tallahassee, FL 32399-0700
(904) 487-2437

Issuance Date: AUG 30 1996