NRC FORM 241 (6-98) 10 CFR 150

U. S. NUCLEAR REGULATORY COMMISSION

OMB NO. 3150-0017 EXPIRES: 6/30/99

Estimated burden per response to comply with this mandatory information 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. Forward comments regarding burden estimate to the Information and Records Management Branch (T-6 F33), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, and to the Paperwork Reduction Project (3150-0017), 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.

REPORT OF PROPOSED ACTIVITIES IN NON-AGREEMENT STATES

(Please read the instructions on the cover sheet before completing this form.)

1. NAME OF LICENSEE *(Person or firm proposing to conduct the activities described below)*

Thielsch Engineering, Inc.

2. TYPE OF REPORT

- [ ] INITIAL
- [X] REVISION
- [ ] CLARIFICATION

3. CONTROL NUMBER *(Leave Blank – Number to be assigned by NRC)*

000862

4. ADDRESS OF LICENSEE *(Mailing address or other location where licensee may be located)*

195 Frances Avenue
Cranston, RI 02910

5. LICENSEE CONTACT

Thomas Grimes/Arthur Haley

6. TELEPHONE NUMBER *(Include Area Code)*

401-467-6454

7. FACSIMILE NUMBER *(Include Area Code)*

401-467-2398

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/IRRADIATOR SERVICE
X	PORTABLE GAUGES		OTHER *(Specify)*		
	RADIOGRAPHY ⇒	TRANSPORTATION QA PROGRAM APPROVAL NO. & REV. NO.		REGISTERED AS USER OF PACKAGINGS (CERTIFICATES OF COMPLIANCE NOS.)	

9. CLIENT NAME, ADDRESS, CITY/COUNTY, STATE, ZIP CODE

Camp Dresser & McKee
202 Municipal Road
Waterbury, CT 06708

10. WORK LOCATION ADDRESS *(Street and Number or other location. Give as complete an address or directions as possible.)*

Same

11. CLIENT TELEPHONE NUMBER *(Include Area Code)*

12. WORK LOCATION TECHNICIAN AUTHORIZED TO PERFORM WORK

13. WORK LOCATION TELEPHONE NUMBER *(Include Area Code)*

14. DATES SCHEDULED		15. NUMBER OF WORK DAYS	16. LOCATION REFERENCE NUMBER
FROM	TO		LEAVE BLANK FOR INITIAL NRC FORM 241 REQUESTS. NUMBER TO BE ASSIGNED BY NRC
5/7/01	7/31/01	85	

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.)*

Troxler Model #3440 SN 18207 Dual Source Americium 241 BE/CS137

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	STATE	EXPIRATION DATE	TOTAL USAGE DAYS TO DATE
3L-065-02	Rhode Island	2/28/2000 Renewal in Mail	~~123 Prior Year~~ 86

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 set; 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-Agreements 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 *(Typed/Printed Name and Title)*	SIGNATURE	DATE

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 *(Typed/Printed Name and Title)*	SIGNATURE	DATE
	RSO Thomas Grimes		5/3/01

NRC FORM 241 (6-98) Lab Manager Arthur Haley

(SV) 5/4/01 John McGrath 5/4/01

TEMPORARY REGISTRATION FORM

STATE OF CONNECTICUT
AIR BUREAU/RADIATION DIVISION
DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127
PHONE: 860-424-3029
FAX: 860-424-4065

1. OWNER/OPERATOR	Thielsch Engineering, Inc.	
Contact:	Arthur Haley/Tom Grimes	Phone: 401-467-6454
Address:	195 Frances Avenue, Cranston, RI 02910	
2. LOCAL COMPANY CONTACT	CDM	
Contact:	Joe Vigiadulo	Phone: 203-573-0657
Address:	202 Municipal Road, Waterbury, CT 06708	
3. LOCATION OF USE:	Waterbury, CT	
4. PURPOSE:	Soil, Asphalt, Compaction	
5. TIME FRAME	May 7, 2001 - August 31, 2001	
* Date In State:	May 7, 2001	
* Date Out of State:	August 31, 2001	
6. INSTRUMENT MODEL	Troxler Model #3440	
Isotope/Activity	Dual Source AM 24139.3/CS 1376.2	
Last Wipe Test	April 13, 2001	
Security & Storage	Outer Pack/Locked	

7. ADDITIONAL EXPLANATION FOR ABOVE

* Daily usage of instrument at job site. Will be returned nightly to Thielsch Engineering in Cranston, RI.

E:\SF\FS\RAM\TEMPREG

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

DEPARTMENT OF HEALTH

Safe and Healthy Lives in Safe and Healthy Communities

6 January 2000

License No. 3L-065-02
Control No. 00-01

Mr. Thomas Grimes
Thielsch Engineering, Inc.
195 Frances Avenue
Cranston, RI 02910

SUBJECT: LICENSE RENEWAL APPLICATION DATED 30 December 1999

Dear Mr. Grimes:

This is to acknowledge receipt of your application for renewal of the materials license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.

This letter does not grant approval of any changes in radiation safety procedures, radioactive materials or possession limits. If such changes have been requested, they must await final approval from this office in the form of a license renewal.

Any correspondence regarding the renewal application should reference the control number specified and your license number.

Very truly yours,

Charles V. McMahon
Supervising Radiation Control Specialist
Office of Occupational and
Radiological Health

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
DEPARTMENT OF HEALTH

6 January 1995

Mr. Bruce Burdick
Thielsch Engineering, Inc.
195 Frances Avenue
Cranston, RI 02910-2211

License No. 3L-065-02
Control No. 95-01

SUBJECT: LICENSE RENEWAL APPLICATION DATED 21 December 1994

Dear Mr. Burdick:

This is to acknowledge receipt of your application for renewal of the materials license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.

Any correspondence regarding the renewal application should reference the control number specified and your license number.

Very truly yours,

Charles V. McMahon
Supervising Radiation Control Specialist
Office of Occupational and
Radiological Health

FORM MAT-4 (8/88)

RHODE ISLAND RADIATION CONTROL AGENCY

MATERIALS LICENSE

Pursuant to Title 23, Chapter 1.3 of the General Laws of Rhode Island and Rhode Island Rules and Regulations for the Control of Radiation 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 designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the Rhode Island Rules and Regulations for the Control of Radiation. This license is subject to all applicable rules, regulations, and orders of the Rhode Island Radiation Control Agency now or hereafter in effect and to any conditions specified below.

Licensee

1. Thielsch Engineering Associates, Inc.

2. 195 Francis Avenue
Cranston, RI 02910

3. License No.: 3L-065-02

4. Expiration Date: 28 February 1995

5. Amendment No.:

---

6. Radioactive Material	7. Chemical and/or Physical Form	8. Maximum amount that licensee may possess at any one time under this license
A. Cesium 137	A. Sealed source (Troxler Drawing A-102112)	A. No single source to exceed 9 millicuries.
B. Americium 241	B. Sealed neutron source (Troxler drawing A-102451)	B. No single source to exceed 44 millicuries.

---

9. Authorized Use

A. and B. For use in Troxler Model 3400 Series Moisture Density gauge for measurement of properties of materials.

CONDITIONS

10. Licensed material may be used at licensee's address specified in item 2 above and at temporary job sites of the licensee anywhere in Rhode Island.

RHODE ISLAND RADIATION CONTROL AGENCY

MATERIALS LICENSE

Supplementary Sheet

License No.: 3L-065-02

Amendment No.:

Conditions Continued

11. Licensed material shall be used by or under the supervision and in the physical presence of Stephen Jackson, Pamela Olsen, Terry Branch or Kevin Malm.

12. The Radiation Safety Officer for all activities authorized under this license shall be Stephen Jackson.

13. A. (1) Each sealed source containing licensed material, other than Hydrogen 3, with a half-life greater than thirty days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six months. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a sealed source received from another person shall not be put into use until tested.

(2) Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less or beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.

(3) The periodic leak test required by this condition does not apply to sealed sources that are stored and not being used. The sources excepted 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 months prior to the date of use or transfer.

B. The test shall be capable of detecting the presence of 0.005 microcuries 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 microcuries 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 Rhode Island Radiation Control Agency, describing the equipment involved the test results, and the corrective action taken.

FORM MAT-4A (8/88)

RHODE ISLAND RADIATION CONTROL AGENCY

MATERIALS LICENSE

Supplementary Sheet

License No.: 3L-065-02

Amendment No.: _____

Conditions Continued

13. D.. The licensee is authorized to collect leak test samples in accordance with the procedures described in the licensee's application dated 27 December 1989 for analysis by Troxler Electronics Laboratories, Inc. Alternatively, leak test samples may be collected and/or analyzed by other persons specifically authorized by the Agency, the Nuclear Regulatory Commission or an Agreement or Licensing State to perform such services.

14. Sealed sources containing licensed material shall not be opened or removed from the moisture density gauges by the licensee.

15. Maintenance or repair of portable devices involving removal of the sealed sources from the devices or removal or dismantling of shielding may be performed by Troxler Electronics Laboratories, Inc. or by other persons specifically authorized by the Agency, the Nuclear Regulatory Commission or an Agreement or Licensing State to perform such services.

16. The licensee shall conduct a physical inventory every six (6) months to account for all sealed sources received and possessed under the license. The records of the inventories shall be maintained for two (2) years from the date of the inventory for inspection by the Agency, and shall include the quantities and kinds of radioactive material, manufacturer's name and model numbers, location of all sealed sources and the date of the inventory.

17. The licensee may transport licensed material or deliver licensed material to a carrier for transport in accordance with the provisions of subpart C.7 of the Rhode Island Rules and Regulations for the Control of Radiation.

18. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents including any enclosures, listed below. The Radiation Control Agency's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.

A. Application dated 27 December 1989.

B. Letter dated 20 February 1990.

Date: February 28, 1990

For the Rhode Island Radiation Control Agency

by _____

FORM MAT-4 (9/95)

RHODE ISLAND RADIATION CONTROL AGENCY

MATERIALS LICENSE

Pursuant to Title 23, Chapter 1.3 or the General Laws of Rhode Island and the Rules and Regulations for the Control of Radiation, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued to receive, acquire, possess and transfer radioactive material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the Rules an Regulations for the Control of Radiation. This license is subject to all applicable rules, regulations, and orders of the Rhode Island Radiation Control Agency now or hereafter in effect and to any conditions specified below.

LICENSEE	
1. Thielsch Engineering, Inc. 2. 195 Frances Avenue Cranston, RI 02910	In accordance with application dated 21 December 1994, 3. License No. 3L-065-02 is amended in its entirety to read as follows: 4. Expiration Date: 28 February 2000 5. Amendment No.: 01

6. Radioactive Material	7. Chemical and/or Physical Form	8. Maximum amount that licensee may possess at any one time under this license
A. Americium 241	A. Sealed source (Troxler Drawing #A-102451)	A. No single source to exceed 44 millicuries
B. Cesium 137	B. Sealed source (Troxler Drawing #A-102112)	B. No single source to exceed 9 millicuries

9. Authorized Use

A and B. For use in Troxler Electronic Laboratories Series 3400 moisture density gauges for measurement of properties of materials.

FORM MAT-4A (8/88)

RHODE ISLAND RADIATION CONTROL AGENCY

MATERIALS LICENSE

Supplementary Sheet

License No. 3L-065-02

Amendment No. 01

CONDITIONS

10. Licensed material may be used only at temporary jobsites, in areas not under exclusive federal jurisdiction, throughout the State of Rhode Island.

11. Licensed material shall be used by Terry Branca, Pamela Olsen, or by individuals who have completed a device manufacturer's training course. The licensee shall maintain records of individuals designated as users.

12. The Radiation Safety Officer for all activities authorized under this license is Thomas V. Grimes.

13. A. (1) Each sealed source containing licensed material, other than Hydrogen 3, with a half-life greater than thirty days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six months. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a sealed source received from another person shall not be put into use until tested.

(2) Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.

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.

FORM MAT-4A (8/88)

RHODE ISLAND RADIATION CONTROL AGENCY

MATERIALS LICENSE

Supplementary Sheet

License No. 3L-065-02

Amendment No. 01

Conditions Continued

13. 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 Rhode Island Radiation Control Agency, describing the equipment involved, the test results, and the corrective action taken.

D. The licensee is authorized to collect leak test samples in accordance with the procedures described in the licensee's application dated 21 December 1994, for analysis by Troxler Electronic Laboratories. Alternatively, leak test samples may be collected and/or analyzed by other persons specifically authorized by the Agency, the Nuclear Regulatory Commission or an Agreement or Licensing State to perform such services.

14. Sealed sources containing licensed material shall not be opened.

15. The licensee shall conduct a physical inventory every 6 months to account for all sources and/or devices received and possessed under the license. Records of inventories shall be maintained for 2 years from the date of each inventory.

16. The licensee may transport licensed material or deliver licensee material to a carrier for transport in accordance with the provisions of Subpart C.7 of the RI Rules and Regulations for the Control of Radiation.

17. Maintenance or repair of portable devices involving removal of the sealed sources from the devices or removal or dismantling of shielding may be performed only by the device manufacturer, or by the other persons specifically authorized by the Agency, the Nuclear Regulatory Commission or an Agreement or Licensing State to perform such services.

FORM MAT-4A (8/88)

RHODE ISLAND RADIATION CONTROL AGENCY

MATERIALS LICENSE

Supplementary Sheet

License No. 3L-065-02

Amendment No. 01

Conditions Continued

18. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures listed below. The Radiation Control Agency's regulations shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.

A. Application 21 December 1994.

B. Letter dated 16 January 1996.

C. Letter dated 10 July 1996.

Date July 23, 1996

For the Rhode Island Radiation Control Agency

by Charles D. McMahon