

STORCH ENGINEERS

220 RIDGEDALE AVENUE, P.O. BOX 267, FLORHAM PARK, NJ 07932

(201) 822-2600

RECEIVED

'85 AUG -5 P12:05

July 9, 1985

U.S. N.R.C.
LIC. FEE MGMT. BRANCH

USNRC Region I
Materials Licensing Section
631 Park Ave.
King of Prussia, PA 19406

Re: Material License Revisions

Dear Mr. Glenn:

Storch Engineers is an owner and operator of a Troxler 3411 B moisture/density gauge. We would like to change the name on our license for the Radiation Protection Officer from Thomas C. Loreda to Mark S. Liebes. In addition, we would like to add Mark S. Liebes, Richard Greene, Jon H. Mayer and John Piserchio as operators of this gauge.

Enclosed please find a check for \$60.00 to make the revisions in our license, and a copy of, the above named, certificates for completing the Troxler training program.

Very truly yours,

STORCH ENGINEERS

Mark S. Liebes

Mark S. Liebes

ML/db/FP

Attachments

Aug-8-I

Applicant.....	2960
Check No.....	30860
Amount/Fee Category.....	30860
Type of Fee.....	Amend
Date Check Rec'd.....	8/5/85
Received By.....	J. J. J.

8508290074 850813
REG1 LIC30
29-20739-01 PDR

02 08 14 21 700 9061

1 10000-0310000

"OFFICIAL RECORD COPY"

ML10

04091

JUL 12 1985

FLORHAM PARK
NEW JERSEY

WETHERSFIELD
CONNECTICUT

PROVIDENCE
RHODE ISLAND

BOSTON
MASSACHUSETTS

PHILADELPHIA
PENNSYLVANIA

NEW YORK
CITY

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 40 and 70, 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 byproduct, source, and special nuclear 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 regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee		3. License number	29-20739-01
1. Storch Engineers		4. Expiration date	October 31, 1989
2. 220 Ridgedale Avenue Florham Park, New Jersey 07932		5. Docket or Reference No.	030-22017
6. Byproduct, source, and/or special nuclear 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 Dwg. A-102112)	A. Not to exceed 10 millicuries per source	
B. Americium 241	B. Sealed neutron source (Troxler Dwg. A-102451)	B. Not to exceed 50 millicuries per source	
9. Authorized use:			
A. And B. For use in Troxler Model 3400 series surface moisture density gauges to measure properties of construction materials.			

CONDITIONS

10. Licensed material may be used at 220 Ridgedale Avenue, Florham Park, New Jersey and at temporary jobsites of the licensee throughout the State of New Jersey.
11. The licensee shall comply with the provisions of Title 10, Chapter 1, Code of Federal Regulations, Part 19, "Notices, Instructions, and Reports to Workers; Inspections" and Part 20, "Standards for Protection Against Radiation."
12. Licensed material shall be used by, or under the supervision and in the physical presence of, Thomas C. Loreda, Ellen R. Petric, and Edward Segotta.
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.

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Spp

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**

License number

29-20739-01

Docket or Reference number

030-22017

(13. continued)

CONDITIONS

- 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 Commission.
- 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 Commission regulations. A report shall be filed within 5 days of the test with the U. S. Nuclear Regulatory Commission, Region I, 631 Park Avenue, King of Prussia, Pennsylvania 19406, 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 letter dated September 25, 1984 for analysis by Troxler Electronic Laboratories, Inc.. Alternatively, leak test samples may be collected and/or analyzed by other persons specifically authorized by the Commission or an Agreement State to perform such services.
14. Sealed sources containing licensed material shall not be opened or removed from the gauges by the licensee.
15. The licensee shall conduct a physical inventory every six (6) months to account for all the gauges 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 Commission, and shall include the quantities and kinds of licensed material, location of the gauges and the date of the inventory.
16. The licensee may transport licensed material or deliver licensed material to a carrier for transport in accordance with the provisions of Title 10, Code of Federal Regulations, Part 71, "Packaging of Radioactive Material for Transport and Transportation of Radioactive Material Under Certain Conditions."
17. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated July 12, 1984 and letter dated September 25, 1984. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

For the U.S. Nuclear Regulatory Commission
Original Signed By
Jenny M. Johansen

Date

12 OCT 1984

By

Nuclear Materials and Safeguards Branch
Region I
King of Prussia, Pennsylvania 19406

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

MARK LIEBES

of

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

1. Principles and practices of radiation protection.
2. Leak testing procedures.
3. Mathematics and calculations basic to the use and measurement of radioactivity.
4. Biological effects of radiation.
5. Radioactivity measurement standardization and monitoring techniques and instruments.
6. Accident and incident procedures.
7. Procedures for nuclear gauge storage and transportation.
8. General safety precautions.

Gauge Operation

1. Instrument theory
2. Operating procedures
3. Maintenance
4. Field application
5. Gauge calibration

Brian W. Potts
INSTRUCTOR

1/8/80
DATE

W.F. TROXLER
PRESIDENT

№ 10795

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

JON HENRI MAYER

of

STORCH ENGINEERS

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

- | | |
|--|---|
| 1. Principles and practices of radiation protection. | 5. Radioactivity measurement standardization and monitoring techniques and instruments. |
| 2. Leak testing procedures. | 6. Accident and incident procedures. |
| 3. Mathematics and calculations basic to the use and measurement of radioactivity. | 7. Procedures for nuclear gauge storage and transportation. |
| 4. Biological effects of radiation. | 8. General safety precautions. |

Gauge Operation

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|-------------------------|----------------------|
| 1. Instrument theory | 4. Field application |
| 2. Operating procedures | 5. Gauge calibration |
| 3. Maintenance | |

Michael E. Spuley
INSTRUCTOR

6/13/85

DATE

W.F. TROXLER

PRESIDENT

Nº 10851

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

RICHARD W. GREENE

of

STORCH ENGINEERS

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

- | | |
|--|---|
| 1. Principles and practices of radiation protection. | 5. Radioactivity measurement standardization and monitoring techniques and instruments. |
| 2. Leak testing procedures. | 6. Accident and incident procedures. |
| 3. Mathematics and calculations basic to the use and measurement of radioactivity. | 7. Procedures for nuclear gauge storage and transportation. |
| 4. Biological effects of radiation. | 8. General safety precautions. |

Gauge Operation

- | | |
|-------------------------|----------------------|
| 1. Instrument theory | 4. Field application |
| 2. Operating procedures | 5. Gauge calibration |
| 3. Maintenance | |

Michael E. Spivey
INSTRUCTOR

6/13/85

DATE

W.F. TROXLER

PRESIDENT

No. 10866

TROXLER ELECTRONIC LABORATORIES, INC.

HEREBY CERTIFIES THAT

JOHN A. PISERCHIO

of

KEEGAN TECHNOLOGY AND TESTING ASSOCIATES

HAS SUCCESSFULLY COMPLETED THE TROXLER ELECTRONIC LABORATORIES, INC.
TRAINING COURSE FOR THE USE OF NUCLEAR TESTING EQUIPMENT.

SUBJECTS INCLUDED IN THIS COURSE WERE AS FOLLOWS:

Radiological Safety

1. Principles and practices of radiation protection.
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Gauge Operation

1. Instrument theory
2. Operating procedures
3. Maintenance
4. Field application
5. Gauge calibration

Michael B. Mundy
INSTRUCTOR

7/10/84

DATE

W.F. TROXLER

PRESIDENT

№ 7771

BETWEEN: William O. Miller, Chief
License Fee Management Branch
Office of Administration

John E. Glenn, Chief
Nuclear Materials Section B
Division of Engineering and
Technical Programs

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED

Applicant/Licensee: Storch Engineers

Application Dated: 7/9/85

Control No.: 04091

License No.: 29-20739-01

2. FEE ATTACHED

Amount: \$ 60.00

Check No.: 2960

3. COMMENTS

Signed Brenda Blatchek

Date 7/15/85

B. LICENSE FEE MANAGEMENT BRANCH

1. Fee Category and Amount: 30 - \$60 9/89

2. Correct Fee Paid. Application may be processed for:

Amendment ✓

Renewal _____

License _____

Signed J Jackson

Date 8/9/85

"SECTION COPY"

STORCH ENGINEERS

220 RIDGEDALE AVENUE
FLORHAM PARK, NJ 07932

2960

05-1/212

July 9 1985

PAY
TO THE
ORDER OF

Nuclear Regulatory Commission

\$ 60 ⁰⁰/₁₀₀

STORCH
ENGINEERS

60 DOLLARS

DOLLARS



Midlantic National Bank
172 Ridgedale Avenue, Florham Park, N.J. 07932

Unsubscribed

FOR

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