

From: Somba Ndeti, P.E. [sndeti@tlbinc.net]
Sent: Thursday, September 08, 2011 4:07 PM
To: Lodhi, Sattar
Subject: Nuclear Gauge Training and RSO Training Certificates for Lauriston Lawrence - CONTROL # 575884
Attachments: Nuclear Gauge Training and RSO Training Certificates for Lauriston Lawrence .pdf

Mr. Lodhi,

19-3389-01
03038168

Q-2
MS-16

Re: CONTROL #575884

Attached please find the Nuclear Gauge Training and RSO Training Certificates for Lauriston Lawrence.

Should you have any questions regarding the attachments, do not hesitate to contact me immediately.

Best Regards,

Somba Ndeti, P.E.

Vice President



T.L.B. Associates, Inc.

7280 Baltimore Annapolis Blvd

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v - 443-577-1600

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c - [REDACTED]

REC'D IN LAT_ 9/19/2011

575884
NMSS/RGN1 MATERIALS-002

OCHS Technical Services

HEREBY CERTIFIES

Lauriston Lawrence

AS HAVING SUCCESSFULLY COMPLETED RADIATION SAFETY OFFICER
TRAINING FOR NUCLEAR MOISTURE-DENSITY GAUGES IN ACCORDANCE
WITH MARYLAND, N. CAROLINA, VIRGINIA AND USNRC REGULATIONS

Training covered Radiation Safety Officer (RSO) responsibilities, which include: personnel training, stopping unsafe activities, responsibility to USNRC and/or other appropriate authorities, incident response and investigation, gauge security and storage, gauge calibration and routine maintenance, material disposal, record maintenance, and annual audit with a radiation survey. ALARA considerations were covered, including permissible occupational radiation dose limits, occupational dose limits for minors and pregnant women, and dose limits to the general public from gauge use and storage. Radiation and operator safety during gauge use and transport were covered along with jurisdiction of various regulatory agencies and reciprocity. This course consisted of a classroom presentation of the above items and an on-site audit and radiation survey with the trainee present. The RSO trainee has presented documentation of completion of a current approved Nuclear Moisture-Density Gauge safety training course and USDOT mandated recurrent training within three years.



Alfred L. Ochs, Ph.D

Instructor/Auditor

August 19, 2011

Date of Certification

NC Reg. No. S 000480

V1R2

OCHS' Technical Services

HEREBY CERTIFIES THAT

Lauriston Lawrence

HAS SUCCESSFULLY COMPLETED THE REQUIRED RADIOLOGICAL SAFETY TRAINING FOR USE OF THE NUCLEAR MOISTURE-DENSITY GAUGE IN ACCORDANCE WITH MD & NC STATE, USDOT, AND USNRC REGULATIONS

Subjects included in this course were as follows: Radiological Safety - principles and practices of radiation protection; leak testing procedures; measurement of radioactivity; biological effects of radiation; monitoring techniques and methods; accident, incident, storage, US DOT transportation procedures, and safety precautions. Device Operation - measurement theory, gauge operation, leak testing, field operations, gauge calibration, and routine maintenance.

Alfred L. Ochs, Ph.D.

Instructor

V3R1

November 22, 2003

Date of Training

Lic. No. MD-05-137-01

NC Reg. No. S 000480

**DOCUMENTATION OF TRAINING
RADIATION SAFETY AND MOISTURE/DENSITY GAUGE USAGE**

DATE: 10-14-2009 TECHNICIAN NAME: LAURISTON LAWRENCEEMPLOYER: TLB ASSOCIATES, INC. CITY GLEN BURNIEDATE OF BIRTH: [REDACTED] SOCIAL SECURITY NO. TYPE OF TRAINING: INITIAL, RECERTIFICATION, OTHERDURATION OF TRAINING: FROM 8:30 AM TO 1:00 PM

The following subjects were covered during this session: (†denotes recertification training, with closed book exam)

- Current regulations of †: USNRC (10 CFR 19 & 20) and State of MD, NC & VA
- Security awareness training †
- Characteristics of radiation †
- Personnel exposure limits †
- Prenatal radiation exposure †
- Personnel monitoring †
 - Film badge
 - TLD
 - OSL
- Radiation survey instruments
- General handling and use of gauges
- Inspection and maintenance of gauges
 - Wipe tests
 - Gauge standardization and stability
- Storage of gauges†
 - Securing
 - DOT requirements
- Emergency procedures and notification†
- Records and reports
- General responsibilities
- Other (explain in detail): Emphasis on US DOT requirements (49 CFR 172.704)†

Examination Type: Written - Passing Grade 70% Closed book, 80% Open book, Final Grades: 98 / - %

As indicated by attendance at the training seminar (recurrent and initial training) and the examination results, the above named individual displays an understanding of basic radiation safety as it applies to the use of soil moisture/density gauges. The individual further understands that failure to exercise all required practices during operations may result in sanctions against the individual as well as the license holder.

TECHNICIAN'S SIGNATURE: [Signature]INSTRUCTOR'S SIGNATURE: [Signature]

Alfred L. Ochs, Ph.D.

OCHS-Technical Services 410-242-5851

1222 North Avenue, Arbutus, MD 21227

NC Reg. No. S 000480

RP-006 V3R6