



13500 East Boundary Road  
Midlothian, VA 23112  
Tel: (804) 622-8630  
Fax: (804) 622-8635 (Corp)  
(804) 595-0454 (Acctg)

August 19, 2010

United States Nuclear Regulatory Commission  
Security and Industrial Branch  
Division of Materials Safety  
Region 1  
475 Allendale Road  
King of Prussia  
PA 19406-1415

Br. 3

RECEIVED  
2010 AUG 23 PM 12:18

Attn: Mr. Sattar Lodhr, PhD

Re: License Amendment (45-23031-01) 03020195

Dear Mr. Lodhr:

I would like to request an amendment to Radioactive Material License No. 45-23031-01 to add Mr. Karl Fosback as CTI Consultants, Inc's Corporate Radiation Safety Officer. Attached with this request you will find a copy of Mr. Fosback's RSO training documentation. Upon adding Mr. Fosback, we ask that the current listed RSO, James Fox, be changed to Assistant RSO.

Please let me know if I can provide any additional information.

Sincerely,

Colin Stevenson  
President

CHANTILLY, VA ■ RICHMOND, VA ■ ROCKVILLE, MD ■ CHARLOTTESVILLE, VA ■ BALTIMORE, MD  
BLACKSBURG, VA ■ NORFOLK, VA ■ WINCHESTER, VA ■ RALEIGH / DURHAM, NC ■ FAYETTEVILLE, NC

Geotechnical Engineering ■ Testing & Inspection ■ Quality Control ■ Environmental Services  
Code Compliance & Specialty Services

REC'D IN LAT 8/25/10

573381  
NMSS/RGN1 MATERIALS-002

**APNGA**  
**Certificate of Achievement**  
**This confirms that**

Karl Fosback

**has successfully completed the APNGA Portable Nuclear Gauge**

**Radiation Safety Officer Class**

on this day

Thursday, July 22, 2010

American Portable Nuclear Gauge Association (APNGA)  
[www.apnga.com](http://www.apnga.com)

  
George E. Marshall  
APNGA Director

# OCHS' Technical Services

*HEREBY CERTIFIES*

## Karl C. Fosback

AS HAVING SUCCESSFULLY COMPLETED RADIATION SAFETY OFFICER  
TRAINING FOR NUCLEAR MOISTURE-DENSITY GAUGES IN ACCORDANCE  
WITH MARYLAND, NORTH CAROLINA 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 within five years of an approved Nuclear Moisture-Density Gauge safety training course and USDOT mandated recurrent training within three years.



*Alfred L. Ochs, Ph.D*

Instructor/Auditor

*April 30, 2005*

Date of Certification

NC Reg. No. S 000480

VIRI

# OCHS' Technical Services

HEREBY CERTIFIES THAT

**Karl C. Fosback**

**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

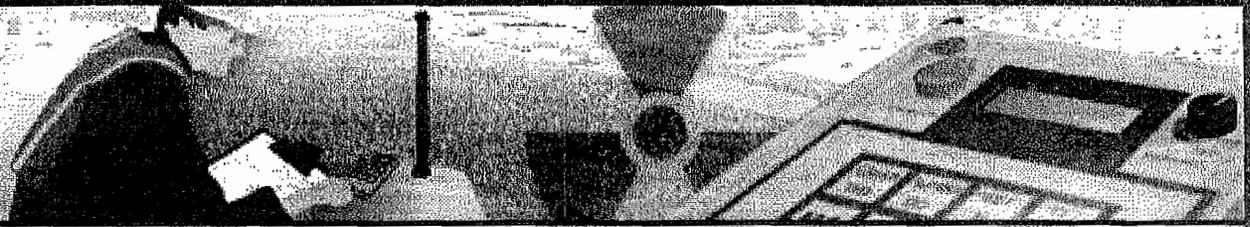
*September 28, 2003*

Date of Training

V3R1

Lic. No. MD-05-137-01

NC Reg. No. S 000480



## Portable Gauge Safety Training

### Karl Fosback

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Has successfully completed training in accordance with policies set forth by the following rules and regulations governing portable nuclear moisture/density gauges and transportation requirements: NUREG 1556 and 49CFR subpart H and IATA 1.5.2.

A closed book examination was administered and a passing score was achieved. The person listed above has demonstrated a thorough understanding of all aspects needed for transportation, with specific emphasis placed on portable nuclear density gauges.

Subjects included in this course were: Radiological safety/principles, practices of radiation protection, leak-testing procedures, measurement of radioactivity, biological effect of radiation, incident, storage, ALARA and emergency procedures.

SUPERVISOR

# NUCLEAR GAUGE TRAINING ONLINE

September 14, 2009

NuclearGaugeTraining.com ☎ 866-868-2382

## HazMat Refresher Course

**Karl Fosback**

Has successfully completed HAZMAT refresher training in accordance with policies set forth by the following rules and regulations governing portable nuclear moisture/density gauge transportation requirements: 49CFR 172 subpart H and IATA 1.5.2.

A closed book examination was administered and a passing score was achieved. The person listed above has demonstrated a thorough understanding of all aspects needed for transportation, with specific emphasis placed on portable nuclear density gauges.

Subjects included in this course include: Incident, labeling, marking, storage, security awareness, shipping, packaging, shipping documents and emergency procedures.

This certificate expires 3 years from the date issued for persons who use ground transportation (company or personal vehicle, trucking company) and expires in 2 years for persons shipping through Air transportation (FedEx).

Record keeping in accordance with 49CFR 172.704(d), North East Technical Services, Inc., 75 Aileron Court, Suite 4, Westminster, MD 21157.

  
RADIATION SAFETY OFFICER

This is to acknowledge the receipt of your letter/application dated

8/19/10, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment (45-23031-01) There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

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A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 573381.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.