

Engineering Surveys and Services

Consulting Engineers, Geologists, and Land Surveyors
Analytical and Materials Laboratories

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December 27, 2010

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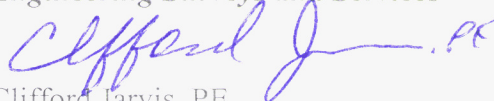
U.S. Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

RE: License 24-20089-01
RSO Change

Dear Sirs:

Please amend the Subject Radioactive Material License to change the Radiation Safety Officer from Bruce Dawson to Gregory Nehring. A Statement of Training and Experience for Gregory Nehring is enclosed.

Respectfully,
Engineering Surveys and Services


Clifford Jarvis, PE
President

Enc:

Gregory R. Nehring, EI
Civil Engineer

Education

B.S. Civil Engineering, University of Missouri - Columbia, 2006

Experience

Mr. Nehring joined Engineering Surveys and Services in 2006. Since joining the firm he has organized and conducted numerous geotechnical investigations, performed geotechnical construction monitoring observations, and provided construction administration services. Mr. Nehring also schedules and oversees of the materials and concrete testing programs in the Sedalia area. He became a member of Engineering Surveys & Services, LLC in 2010.

Mr. Nehring completed a certified course on radiation safety in 2003. In 2010, he completed a Radiation Safety Officer Course provided by Humboldt Scientific, Inc, a reputable manufacture of portable gauges.

Professional Registration

Engineering Intern- Missouri

Memberships

National Society of Professional Engineers - Member
Missouri Society of Professional Engineers - Member
Jefferson City MSPE Chapter – President



HUMBOLDT

HUMBOLDT SCIENTIFIC, INC.

RSO Certification

Gregory R. Nehring

HAS SUCCESSFULLY COMPLETED A CERTIFIED
RADIATION SAFETY OFFICER COURSE

Subjects included were:

RSO Duties and Responsibilities

Radiation Safety Practices

Regulatory Requirements

Dose/Shielding Requirements

Accidents/Storage

Regulatory Guidance (NUREG-1556, Vol. 1)

Transportation/HAZMAT Requirements

Risk

ALARA

Radiation Measurement

Operating and Emergency Procedures

Calibration and Maintenance

Record Keeping

Date of Training: **December 3, 2010**

Location: **Charleston, SC**

Certificate Number: **8905**

HAZMAT Expiration Date: **December 3, 2013**


Instructor: Keith Earnshaw

Humboldt Scientific, Inc.

551-D Pylon Drive

Raleigh, NC 27606

GEOSYSTEMS ENGINEERING, INC.

Nuclear Gauge Training Certification

Greg Nehring

**HAS SUCCESSFULLY COMPLETED A CERTIFIED COURSE ON RADIATION SAFETY, TRANSPORT AND
OPERATION OF INSTRUMENTS USING GAMMA AND NEUTRON RADIATION TO MEASURE THE PHYSICAL
PROPERTIES OF CONSTRUCTION MATERIAL**

Subjects included were:

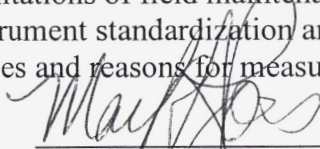
Types and basic unit ionizing radiation.
Calculations related to radiation safety.
Biological effects of radiation.
Methods of protection.
Leak testing procedures.
Procedures for safe transport and storage.

Date of Training: June 5, 2003

Location: Lenexa, KS

Certificate Number: 2003-24

Federal and State Regulations.
Accident prevention and procedures.
Instrument theory and operation.
Limitations of field maintenance.
Instrument standardization and calibration.
Types and reasons for measurement errors.



Instructor: Mark A. Loes
GeoSystems Engineering Inc.
7802 Barton
Lenexa, KS 66214

Regulations: 10 CFR 30.33(a)(3).

Criteria: *RSOs* must have adequate training and experience. In the past, NRC has found successful completion of one of the following as evidence of adequate training and experience:

- Portable gauge manufacturer's course for users or for *RSOs*
- Equivalent course that meets *Appendix D* criteria

Discussion: The person responsible for the radiation protection program is called the *RSO*. The *RSO* needs independent authority to stop operations that he or she considers unsafe. He or she must have sufficient time and commitment from management to fulfill certain duties and responsibilities to ensure that radioactive materials are used in a safe manner. Typical *RSO* duties are illustrated in Figure 8.1 and described in *Appendix E*. NRC requires the name of the *RSO* on the license to ensure that licensee management has always identified a responsible, qualified person and that the named individual knows of his or her designation as *RSO*.

Figure 8.1 *RSO Responsibilities. Typical duties and responsibilities of RSOs.*

Response from Applicant: Provide either of the following:

- Name of the proposed *RSO*;

AND EITHER:

- Statement that: "Before obtaining licensed materials, the proposed *RSO* will have successfully completed one of the training courses described in Criteria in the section entitled 'Individual(s) Responsible for Radiation Safety Program and Their Training and Experience - Radiation Safety Officer' in NUREG-1556, Vol. 1, 'Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Portable Gauge Licenses,' dated May 1997"; and
- Statement that: "Before being named as the *RSO*, future *RSOs* will have successfully completed one of the training courses described in Criteria in the section entitled 'Individual(s) Responsible for Radiation Safety Program and Their Training and Experience - Radiation Safety Officer' in NUREG-1556, Vol. 1, 'Consolidated Guidance about Materials Licenses: Program-Specific Guidance about Portable Gauge Licenses,' dated May 1997."

OR

- Alternative information demonstrating that the proposed *RSO* is qualified by training and experience.

Note:

- It is important to notify NRC, as soon as possible, of changes in the designation of the *RSO*; such notifications will be handled as administrative amendments not requiring fees as long as

as the application contains the commitment listed in the third bullet under "Response from Applicant."

- Alternative responses will be reviewed against the criteria listed above.

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