



**Canadian Radiation Protection Association
and
HALIFAX 2012 Local Conference Committee**

**RADIATION SAFETY OFFICER REFRESHER
CONTINUING EDUCATION WORKSHOP**
(Presented in English)

Date: Thursday May 31, 2012
Time: 08:30 am - 5:00 pm
Location: Halifax, NS (near VG Hospital /Dalhousie University, Building and room TBA)
Cost: \$250
Minimum Participants: Eight (full refund for course cancellation)
Application Deadline: April 30, 2012
Presenter: Trevor Beniston, Stuart Hunt & Associates Ltd.

The continuing education course is a practical overview for those managing a radiation protection program for CNSC Nuclear Substance and Radiation Device licenses. It would also be beneficial to those managing Class II Licenses. The Canadian Radiation Protection Association has negotiated a significant discount in order to present this quality program in our local area.

Main objectives

- Provide participants with an overview on how nuclear substances are regulated in Canada.
- Present the relevant regulations in a manner that stresses their practical implementation rather than theoretical constructs.
- Identify the licensee's responsibilities for program management, record keeping and reporting.
- Provide some guidance and explanation on the regulators expectations and requirements.
- Present new and significant items found in the new licence application form.
- Provide participants with a forum to ask questions regarding the implementation and management of a radiation protection program for nuclear substance and Class II Device Licenses.

General Content

Review of Regulatory Framework

A short overview of the regulatory framework will be provided, describing the nature of the regulations, the CNSC as an organization, and how inspections are conducted. Class II regulations may be removed from discussions if there are no people present that are involved with a Class II licence. The discussions will provide the participant with awareness on where to find information on various regulatory items.

Nature and Content of the Presentation

It will be assumed that the participants will have either attended an RSO training course or have some experience carrying out radiation safety officer duties. The presentation will be directed towards the regulatory side of radiation protection for a typical NSRD licensee. The main objective will be to cover the important items an RSO needs to know, regardless of the specific type of operation or licence their facility may have. Ample time will be given for participant generated discussion and questions. Regulatory citations will be included in the presentation, but the focus on the discussion will be to describe the meaning and intent of the regulation.

Nuclear Substances and Radiation Devices (NSRD) Licences

Most participants will have some degree of familiarity with their facility's NSRD licence and as such licensing discussions will focus primarily on the new application guide and form, as well as ensuring the

participant understands the general obligations of a licensee. A review of significant changes to both the process and the application form will be highlighted.

Elements of a Radiation Protection Program

A general overview of what is expected from a typical NSRD licensee's radiation protection program will be discussed. The discussion will focus on the most important aspects of the program and on what are the current regulatory requirements and expectations. The objective will be to present a summary of the typical elements a radiation protection program requires.

Presenter



Trevor Beniston, CRPA(R), Radiation Safety Officer, Stuart Hunt & Associates Ltd. will present the course. Based in Alberta, Trevor has developed considerable experience in identifying CNSC expectations and converting them into practical applications.

Trevor has over ten years of experience managing, developing, and delivering current training courses relevant to users of nuclear substances, sealed sources and portable and fixed nuclear devices. Trevor continually updates the corporate radiation safety program to meet current CNSC requirements and maintain regulatory compliance with various nuclear substance licence types.

He has also been involved in radiation surveys involving industrial uses of radioactive material, auditing radiation safety programs and developing processes for the provision of leak testing services. Trevor has prepared and completed to conclusion over 175 CNSC licence applications for industrial users of radioactive material, reviewing and updating many radiation protection programs for fixed and portable radiation devices users through consulting and onsite audits.

Continuing Education Credits

The course has been submitted for recognition by the CRPA Radiation Safety Professionals Committee towards CRPA(R) credits. Specific points TBA.

**RADIATION SAFETY OFFICER REFRESHER
CONTINUING EDUCATION WORKSHOP
REGISTRATION FORM**

Use this form if you are not registering as a delegate on the CRPA conference web page.

Halifax, NS - Thursday May 31, 2012 (8:30 am - 5:00 pm)

*Indicates Required Field

Personal Information

*First Name _____ *Last Name _____

*E-mail _____

Mailing Address

*Address _____

*City _____ *Province/State _____

*Postal/Zip Code _____ Country _____

*Phone _____ Fax _____

Payment information:

Course Fee: \$250

Make Cheque Payable to: Canadian Radiation Protection Association or CRPA

Print form and send with cheque to:

Canadian Radiation Protection Association

PO Box 83, Carleton Place, Ontario, CANADA, K7C 3P3

For other payment options contact the CRPA Secretariat at:

phone: 613-253-3779 Fax: 1-888-551-0712 E-Mail: secretariat2007@crpa-acrp.ca

Workshops

This continuing education is separate from the conference fee and subject to a minimum number of eight registrants. There will be a full refund of workshop fees if the minimum number of registrations is not achieved and the course is cancelled. The decision on cancelling workshops will be made two weeks prior to the conference.

General Outline

1. Introduction
2. Review of the Regulation of Radioactive Materials
 - a. Regulatory Framework
 - b. Overview of the Nuclear Safety Control Act, the CNSC and the Regulations
 - c. Overview of the General Nuclear Safety and Control Regulations
 - d. Overview of the Radiation Protection Regulations
 - e. Overview of the Nuclear Substances and Radiation Devices Regulations
 - f. Overview of the Packaging and Transport of Nuclear Substances Regulations
 - g. Overview of the Class II Device Regulations
 - h. Inspections
 - i. Overview of the Inspection Process
 - ii. Powers of an Inspector
 - iii. Responding to an Inspection
 - iv. Actions as a Result of an Inspection
3. Regulatory Specific Terms and Definitions
4. Nuclear Substances and Radiation Devices Licence
 - a. New licensing application guide highlights
 - b. Obligations of the Licensee
 - c. Obligations of the Workers
 - d. Decommissioning
5. Elements of a Radiation Protection Program
 - a. Organization and Management Structure
 - i. Applicant Authority
 - ii. Signing Authority
 - iii. RSO Certified vs. qualified RSO
 - iv. ALARA Policy
 - v. Reporting to the CNSC (Annual Compliance Report and General Reports)
 - vi. Internal Review
 - b. Exposure Control
 - i. Personal Monitoring
 - ii. Dose Limits (Action Levels)
 - iii. Nuclear Energy Workers
 - iv. Calibration of Radiation Detection Equipment
 - v. Contamination Control (Prescribed contamination limits)
 - vi. Labels and Signs
 - vii. Classification of Rooms
 - viii. Leak Testing
 - c. Training and Qualifications
 - i. Authorized Users
 - ii. Qualified User Training vs. Awareness Training
 - iii. RSO Training
 - iv. Refresher Training
 - v. TDG Training
 - d. Inventory Control
 - i. Access and Security
 - ii. Storage Requirements
 - iii. Receipt of Packages
 - iv. Transfers and Controlling possession
 - v. Packaging and Transport
 - vi. Disposal of Radioactive Wastes and Sealed Sources
 - vii. Internal Permits
 - e. Emergency Response
 - f. Critical Records
6. Summary of a Typical RSO's Duties