



# PROFESSIONAL DEVELOPMENT COURSE

your success is our goal

## SKILLS TRAINING FOR NUCLEAR QA AUDITOR/LEAD AUDITOR

**LECTURER:** Mr. Richard W. Barnes, P. Eng.  
**LOCATION:** ANRIC Enterprises Inc., 701 Evans Ave., Suite 202, Toronto  
**FEE:** Register four weeks before and pay at time of registration:  
 \$650.00 (pp/plus HST)  
 [If taken in conjunction with the ASME Section III NCA-4000/NQA-1 course & the ASME Section III Workshop, the price is \$600.00 (pp/plus HST)]  
 Registrations received within four weeks: \$800.00 (pp/plus HST)  
 [If taken in conjunction with the ASME Section III NCA-4000/NQA-1 course, the price is \$750.00 (pp/plus HST)]

### OBJECTIVE:

This one-day course provides an in-depth working knowledge of the requirements and guidelines of NCA-4000/NQA-1 used in the construction of pressure retaining components for Nuclear Power Plants for the qualification of Auditors/Lead Auditors.

### The course:

- Contains many examples of specific Do's and Do Not's of Auditor/Lead Auditor attributes
- Introduces the subject of Internal Self-Assessments
- Provides knowledge of topics to aid in passing a Lead Auditor Examination

It focuses on the NCA-4000/NQA-1 expectations for Lead Auditors and provides participants with a deeper understanding of what is expected of persons working and training to be Lead Auditors in the Quality Assurance programs for the Nuclear Industry.

### CONTENTS: A one day course consisting of the following:

<p><b>WORKSHOP CONTENT:</b></p> <ul style="list-style-type: none"> <li>• Background and Introduction of ASME NQA-1 Requirements of ASME Boiler &amp; Pressure Vessel Code, Section III NCA-4000</li> <li>• Quality Assurance Program Requirements</li> <li>• Nuclear Audit Requirements</li> <li>• Audits vs Surveillance or Inspection</li> <li>• Qualification of QA Program Audit Personnel</li> <li>• Qualification of Lead Auditors</li> </ul>	<p><b>WORKSHOP CONTENT (Continued):</b></p> <ul style="list-style-type: none"> <li>• Maintenance of Qualification and records</li> <li>• Supplemental Requirements for Audits including:             <ul style="list-style-type: none"> <li>- Education &amp; experience of Lead Auditors</li> <li>- Guidance on Audits</li> </ul> </li> <li>• Compliance vs Performance-Based Audits</li> <li>• Auditing Do's &amp; Do Not's</li> <li>• Lead Auditor Attributes</li> <li>• Internal Self-Assessments</li> </ul>
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### WHO SHOULD ATTEND?

This course will provide excellent training for persons whose work activity requires them to prepare for, conduct and follow up on nuclear QA audits. It will enhance their understanding of the importance of well-planned and executed audits. The course will be useful to those involved in performing nuclear audits including technical experts and those who are recipients of audits including: managers, supervisors, designers, inspectors, purchasing agents, manufacturers, regulators, nuclear operators and maintenance personnel.

### EXPECTATIONS:

Course participants should understand the auditing requirements, and be provided with the knowledge to aid those in passing a Lead Auditor examination based on the material covered in this course.



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## LECTURERS:

Mr. Richard W. Barnes is the Principle Engineer at ANRIC Enterprises Inc. and has been actively involved for over 30 years in the development of the ASME and CSA Codes and Standards associated with Pressure Boundary for both nuclear and non-nuclear power plants. Mr. Barnes leads the team at ANRIC Enterprises Inc that offers technical assistance for companies registering Pressure Boundary products, and provides expert consultation on the application of the various pressure boundary codes. The ANRIC team also develops and delivers training on both the CSA and ASME Codes and Standards for delivery on-site at the ANRIC Learning Centre and off-site at the clients' premises. Mr. Barnes sits on various code committees responsible for the development of Codes and Standards. He is the past-chair and member of the ASME Standard Committee of the BPV III, which is responsible for the development of Section III of the ASME BPV Code; past Vice-Chair and member of N285A Technical Committee on CANDU Nuclear Power Plant Systems and Components, member of the B51 Technical Committee on Boilers and Pressure Vessels, and member of N286 Technical Committee on Overall Quality Assurance for Nuclear Power Plants of the CSA Standards Committee; and member of ASME B16 Standards Committee of Standardization of Valves, Flanges, Fittings and Gaskets and member of the Subcommittee responsible for development of the B16:34 Standard. Mr. Barnes has received the ASME Dedicated Service Award and the highest ASME Nuclear award, the Bernard F. Langer Nuclear Codes and Standards Award in recognition for his contributions to the nuclear industry. In 2007, was elected to the ASME Grade of Fellow. In 2009, Mr. Barnes received the CNA Outstanding Contribution Award and in 2011 the CSA Award of Merit.

## IMPORTANT INFORMATION:

**PAYMENT:** Full payment is due at time of registration. Payment can be made via credit card (VISA, MasterCard or American Express), cheque or purchase order. PLEASE NOTE: Payment is non-refundable.

**CANCELLATION POLICY:** Cancellation must be received in writing 7 days prior to course start date. If cancellations are made after that date, the cancellation fee will be 50% of the course cost. You may send a substitute. Notification of a substitute must be received at least 48 hours prior to the commencement of the course or a cancellation fee will be charged. PLEASE NOTE: The cancellation fee can be discounted towards any future course taken at the ANRIC Learning Centre.

**ACCOMMODATION:** The Stay Inn, 560 Evans Ave (2-minute drive to 701 Evans Ave), has provided a quote of \$99.00 per night for 1 bed and \$109.00 for 2 beds, including a continental breakfast. The Stay Inn can be contacted at [info@stayinn.ca](mailto:info@stayinn.ca) or 416-259-7899/1-888-445-4473 for more information. Please refer to ANRIC Enterprises Inc. when speaking with reservations. This is a small hotel, so it is advisable to book early.

**FOOD AND BEVERAGE:** At the start of the day juice, fruit, pastries, coffee and tea will be provided before the course. Coffee and Tea will be provided at mid-morning break, including pop in the afternoon and lunch will be provided. Please indicate when you are enrolling for the course if you have any specific food requirements. Every effort will be made to accommodate your needs in this area.

**COURSE TIMES:** Registration begins at 8:00 a.m. The course will begin at 8:30 a.m. and conclude at 4:30 p.m.

**DRESS:** Please dress so that you will be comfortable. It is prudent to dress light and bring a light jacket in case you need it during the course. The tolerance to temperature varies for people and sometimes room temperature acceptable to the majority may not be right for an individual.

**PARKING:** There is parking available for a fee of \$5.00 per day. There is parking at 701 and 703 Evans Ave.

ANRIC Enterprises Inc. specializes in courses of calibre to industry by providing lecturers who have recognized expertise and who are involved with the development and application of Codes and Standards.

ANRIC Enterprises Inc. reserves the right to cancel any course and/or change lecturers.