

## INTRODUCTION TO QUALITY ASSURANCE (PEL 7297)

**LECTURER:** Mr. Richard Barnes,  
**DATE(S):** **See Website**  
**LOCATION:** **ON-LINE Delivery through ANRIC Enterprises Inc.**  
**FEE:** **Register & PAY three (3) weeks before the start: \$750.00 (pp/plus HST).**  
**Register within three (3) weeks of the start: \$890.00 (pp/plus HST).**  
**Group pricing available; please contact [training@anric.com](mailto:training@anric.com) or**  
**Call (416) 253-9459\*\*. Payment can be made by Credit Card or Purchase Order**

### OBJECTIVE:

This course is a one-day workshop on the fundamentals of Quality Assurance (QA). It is designed to introduce participants to the Principles of Quality Assurance as they are used in the nuclear Industry and in the Pressure Boundary of Nuclear Power Plants. Throughout the day, the intent, controls and requirements and assessment of Quality Assurance will be examined in workshops with presentation.

### CONTENTS:

A one-day workshop (8:30 am - 4:00 pm) consisting of the following:

- Discussion on the concepts related to Quality.
  - Quality
  - Quality Control
  - Assurance
  - Quality Assurance
  - Quality Management
- Why is QA important to nuclear?
- Why are there four distinct Quality Assurance programs?

### WHO SHOULD ATTEND?

This course will be of interest to personnel in the many roles and disciplines of the Nuclear Power Plant industry. It is particularly useful as introductory training for personnel at most levels who are entering the nuclear industry or have no experience in QA. This course is very useful for people requiring an introductory understanding of the relationships between QA and final product or service and how it relates to the organizational needs and procurements. The course has been offered many times at the Canadian Nuclear Utilities to introduce participants to the above concepts.

### EXPECTATION:

At the completion of this training session the participants will have attained the following skills/knowledge:

- An understanding of the principles of Quality and Quality Assurance.
- Identify the role of Quality Assurance in processes and organizational structure.
- Understand the concepts of quality and the importance of the quality statement and the role of Quality Assurance in assuring that the quality statement becomes a quality product.
- Understanding the concept of grading.

### LECTURER:

**Mr. Richard W. Barnes** is the Principal 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 items and provides expert consultation on the application of the various pressure boundary codes.

Mr. Barnes sits on various code committees responsible for the development of Codes and Standards for quality assurance and requirements for the pressure boundary. He is:

- Past-chair and member of the ASME Standard Committee of the BPV III (Section III).
- Past Vice-Chair and member of N285A Technical Committee.
- Member of the B51 Technical Committee.
- Member of N286 Technical Committee; and
- Member of ASME B16 Standards Committee.

Mr. Barnes is a Fellow of ASME and has been recognized for contribution to the industry through the following awards:

- The ASME Dedicated Service Award.
- The Bernard F. Langer Nuclear Codes and Standards Award.
- The CNA Outstanding Contribution Award.
- The CSA Award of Merit; and
- The ASME Melvin R. Green Codes and Standards Medal.

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

## IMPORTANT INFORMATION:

**PAYMENT:** Full payment is due at time of registration. Payment can be made via credit card (VISA, MasterCard or American Express) or purchase order. **PLEASE NOTE:** Payment is non-refundable within 3 weeks prior to the start of the course.

**CANCELLATION POLICY:** Cancellation must be received in writing 7 days prior to course start date. You may send a substitute. Notification of a substitute must be received at least **72 hours prior to the commencement of the course to allow time for delivery of course material.** If a substitute is not available, the fee for the course may be used towards another ANRIC course at a later date.

**\*\* ANRIC Enterprises Inc. reserves the right to cancel any course and/or change lecturers. Courses that fail to register a "MINIMUM" of 6 participants will be cancelled. Personnel who require this course to meet qualification requirements should contact the office at [training@anric.com](mailto:training@anric.com) to discuss/arrange other options.**

## INFORMATION ASSOCIATED WITH ON-LINE COURSES FOLLOWS:

**The course is delivered on-line.**

**The maximum number of people per course is 16 people. This limitation is set because the courses are run with Workshops using Breakout Rooms to provide for maximum interaction and learning experience. This provides an excellent learning opportunity.**

**All rights, title and content of the course manuals and all other instructional material shall remain the property of ANRIC Enterprises Inc.**

**The manuals will be delivered to course participants by courier.**

**The course is run online in one full day. If desired, it can be split into 2 half-day sessions.**

**REQUIREMENT: This course requires participants to have video and audio capability.**

**There will be an examination/checkout at the end of each course. ANRIC Enterprises Inc. will only provide certificates of successful completion for participants that achieve an examination result of 80% or higher and video access is required for the checkout.**