

# PROFESSIONAL DEVELOPMENT COURSE

PRESENTED BY ANRIC Enterprises Inc. [www.anric.com](http://www.anric.com)

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## CODES AND JURISDICTIONAL REQUIREMENTS

### OBJECTIVE:

This two-day course provides an overview of the Federal government requirements applicable to pressure retaining systems and components in CANDU Nuclear Power Plants. It reviews the Canadian Standards that have been developed for the CANDU Nuclear Power Plants and discusses the interaction between the Regulations and these Standards.

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

Day 1 - Course Content	Day 2 - Course Content
<p><b>CANADIAN LICENSING REQUIREMENTS</b></p> <ul style="list-style-type: none"><li>Authority and Responsibility; Canadian Approach to Nuclear Safety; Nuclear Standards - Regulatory Documents; Safety Analysis Requirements; CNSC relationship with other Jurisdictions; The Future</li></ul> <p><b>PROVINCIAL REQUIREMENTS</b></p> <ul style="list-style-type: none"><li>Boiler and Pressure Vessels Act B51 - M1997: Boiler, Pressure Vessels, and Pressure Piping Code</li></ul> <p><b>SPECIFIC FEDERAL REQUIREMENTS</b></p> <ul style="list-style-type: none"><li>Obtaining Code Classification Approval; Code Classification of Systems &amp; Components; Code Effective Date</li></ul> <p><b>CNSC/TSSA RELATIONSHIPS</b></p> <ul style="list-style-type: none"><li>Jurisdictional Agreements</li></ul>	<p><b>QUALITY ASSURANCE PROGRAM REQUIREMENTS FOR NUCLEAR POWER PLANTS</b></p> <ul style="list-style-type: none"><li>CAN3 - N286 Series</li></ul> <p><b>GENERAL REQUIREMENTS FOR PRESSURE-RETAINING SYSTEMS &amp; COMPONENTS IN CANDU NUCLEAR POWER PLANTS</b></p> <ul style="list-style-type: none"><li>N285 Series</li><li>CAN3 - N285.0</li></ul> <p><b>PROCUREMENT QUALITY ASSURANCE</b></p> <ul style="list-style-type: none"><li>CSA Z299 Series / ISO - 9000</li></ul> <p><b>CORPORATE QA PROGRAM</b></p> <ul style="list-style-type: none"><li>AECL</li></ul>

### WHO SHOULD ATTEND:

This course is excellent training for those persons whose work activity requires them to apply the various requirements of these Codes and Standards. It will enhance their understanding of why various elements are required and enable them to conform more readily to these requirements. The course will be useful to the many disciplines that are required to understand and implement code requirements. The people in these disciplines include designers, inspectors, purchasing agents, maintenance personnel and operation personnel.

### EXPECTATIONS:

Course participants with adequate experience will have attained the following information at the end of the course:

1. An understanding of the relationship between the safe regulation of Nuclear Power Plants and the Codes and Standards developed for the nuclear program.
2. An understanding of the concepts of Code Classification and the relationship between the CSA Standards for Pressure Boundary and the ASME Standards with emphasis on CSA N285.0.
3. An understanding of the QA programs associated with the nuclear program and their importance in the overall approach to safety. An example of the application for the participant of the program is developed.

**PLEASE NOTE:** This course is only delivered on-site at the ANRIC Learning Centre.

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