

Course Content

Title: ASME Section III Div.1 Rules for Construction of Nuclear Facility Components Overview

Potential PDH: 16

Code: BTT034

Description:

This course provides an overview of ASME III Div.1 rules for construction of nuclear power plants. The overview includes an understanding of the requirements, but also their technical basis, and their historical context.

Outline:

The course covers the following 20 modules:

1. Overview
2. NCA Scope
3. NCA-2000 Classification
4. NCA-3000 Responsibilities
5. NCD-2000 Materials
6. NCD-3000 Design
7. Loads
8. NCD-3100 General design
9. NCD 3300 Vessel Design (1)
10. NCD-3300 Vessel Design (2)
11. NCD-3400 Pumps
12. NCD-3500 Valves
13. NCD-3600 Piping
14. NCD-4000 Fabrication
15. NCD-5000 Examination
16. NCD-6000 Testing
17. Class 1 Differences, Materials
18. NB-3000 Cl.1 Design
19. NB-4/5000 Cl.1 Fab./Exam.
20. NX-7000 Overpressure Prot.

Instructor:

Mr. George Antaki, PE, Fellow ASME, Becht Engineering, Aiken SC USA, has over 43 years of experience in design, qualification, fabrication, trouble-shooting, fitness-for-service, and repairs of ASME pressure equipment and piping systems. He is past vicechairman of API 579/ASME FFS joint committee, and past member of ASME PCC-2. He is currently member of several ASME Code Committees, and a master instructor for ASME. He is the author of three textbooks on integrity and repairs of pressure equipment and piping systems.