



ZI180

ASME Section III - Rules for Construction of Nuclear Facility Components Online Course

- Section III, Division I, Overview, Subsection NCA
 - Overview and organization of Section III of ASME B&PV Code
 - Scope of Section III
 - Introduction to Nuclear Power Plants
- Classification of Components and Supports - Article NCA-2000
- Responsibilities and Duties - Article NCA-3000
- Quality Assurance Requirements - Article NCA-4000
- Authorized Inspection - Article NCA-5000
- Subsection NB - Class 1 Components
- Application of Concepts - Article NB-3200
- Class 1 Vessel Design
 - Article NB-3300 Finite Element Analysis, Stress Classification & interpretation of FEA Stress Results for NB-3200 Design
- Piping and Valves
- Pipe Fittings and Components
- Piping Stress Analysis as per ASME Code
- ASME Nuclear Class 1 Piping Stress Analysis
- Valves - NB-3500
- Class 1 Pumps - Subsection NB-3400
- Supports for Class 1 Piping - Subsection NF
- Layout Considerations in Class 1 Piping Systems
- Specific Component Support Requirements
- Class 2 & 3 Code Requirements