

PD441**Inspection, Repair and Alterations of In-Service Pressure Equipment****CEUs: 0.8****PDHs: 8**

Do you work with pressure equipment that is currently in service and need help understanding the current code requirements for inspections, repairs, and alterations? This course is a comprehensive introduction to the codes and standards on inspection, repairs and alterations of pressure vessels and assessing their fitness for service.

The requirements of the National Board Inspection Code (NBIC) and the API-510 are covered in detail. The activities of ASME's Post Construction Committee are explained and documents published by this Committee are discussed.

By participating in this course, you will learn how to successfully:

- Identify the most commonly used Codes and Standards applicable to the inspection, repair, and alteration of existing pressure equipment.
- Identify detailed requirements of the NBIC.
- Explain the differences between the NBIC and API-510
- Describe the latest developments in the rapidly advancing field of pressure equipment inspection and repairs.
- Explain the responsibilities of the users, manufacturers, repair organizations, jurisdictional regulatory agencies, and inspectors.
- Explain how to obtain a National Board Certificate of Authorization and stamp
- Identify and provide examples of repairs, alterations, and the documentation requirements for each.
- Provide examples demonstrating the application of the rules.

Who should attend?

Engineers and technical professionals, from users/owners, manufacturers, repair organizations, inspection agencies and other organizations involved with inspection, repair, and alteration of pressure equipment. Intended for manufacturers, users, constructors, designers, and others concerned with the design, and repair/alteration fabrication plus all potential governing entities. This course is primarily intended for beginners but is also helpful for experienced personnel wishing to update their knowledge.

Course Materials (included in purchase of course)

- Digital course notes via ASME's Learning Platform

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Introduction to Inservice Codes and Standards

- National Board Inspection Code
- PI 510
- API 579-1/ ASME FFS-1 Fitness for Service
- Other Post Construction Standards

National Board Inspection Code (NBIC) Rules

- Part 1 – Installation
- Part 2 – Inspection
- Part 3 – Repairs and Alterations
- Part 4 – Pressure Relief Devices

API 510 Rules