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API 570 Piping Inspection

ABOUT THIS COURSE

This course will prepare an Inspector to successfully complete the API 570 Authorized Piping Inspector Certification Examination by thoroughly reviewing the API 570 Standard, API CERT 571, API CERT 574, API CERT 577, API CERT 578 the ASME Boiler and Pressure Vessel Code Sections V and IX, and the ASME Code for Pressure Piping B16.5 and B31.3. Mock examination questions, meeting the appropriate specific examination criteria, will be utilized to simulate actual API test conditions, providing an effective study base.

WHO SHOULD ATTEND

This course is tailored for Engineers, Supervisors, Managers and personnel who are interested in the API 653 program, or who are responsible for inspection, maintenance, repair and alteration of Aboveground Storage Tanks, and who wish to present themselves for the Aboveground Storage Tank Inspector Certification Examination

OBJECTIVES

- To provide a continued high level of safety through the use of inspectors specialized in process piping
- To improve management control of process unit inspection, repair, alteration and rerating
- To reduce the potential for inspection delays resulting from regulatory requirements

COURSE CONTENT

Detailed explanations of all the information covered in the API 570 'Body of Knowledge' including:

- ASME welding requirements for pressure piping section IX and B31.3 VIII
- ASME non-destructive testing principles and application of Section V
- Pressure piping design review ASME B31.3, weld sizes, pipe branch reinforcement, brittle fracture, weld efficiency factors, post weld heat treatment
- Pressure piping inspection practices
- API 570 inspection, repair and re-rating of piping, inspection intervals, inspection requirements, relationships to ASME codes.
- Corrosion, minimum thickness determination and remaining life calculations
- Inspection and degradation mechanisms of piping corrosion and cracking mechanisms, erosion, common corrodents, hydrogen and H2S damage, alloy degradation

LOCATION

Malaysia

DURATION

1 Week

VALIDITY

3 Years