Pipeline & Piping Maintenance & Rehabilitation

TR104

Course Overview:

Apply the latest techniques on pipeline and piping design, operations, inspection, maintenance,Repair, integrity and rehabilitation in accordance with the latest standards .evaluate the fitness for service including wall thinning, remaining life, general andLocal corrosion, analysis of dents and cracks in piping and pipelines classify the causes ofVibration in service as well as measure, analyses and resolve vibration define pressureTransients and enumerate its four classes such as pump station transients, two-phase liquid vaporTransients, two phase liquid-gas transients and gas discharge transients analyze weld properties, heat treatment, liquid penetrant and ultrasonic testing as well as identify the different types of flanges, gaskets, bolt selection, tube fittings and different kinds of bending.
Carryout pressure and leak testing prevent mechanism degradation due to corrosion and employ new standard repairs standards demonstrate different repairing techniques of grinding,Welding, flush patch, mechanical clamp and pipe coating for the expansion of buries pipes.

Course Objective:

The aim of this course is to enhance the knowledge & skills of the participants in the following topics: characteristics & performance of pumps, selection of pumps, cavitation, hydraulic losses in piping systems & design of piping system will be included

Course Outline:

-Introduction
-Piping Systems
-Piping Codes & Standards
-Piping Connections
-Positive Displacement Pumps Classification
-Positive Displacement Pumps Performance & Characteristics
-Positive Displacement Pumps Selection
-Hydraulic Losses In Pipes
-Minor Losses In Pipes
-Performance Of Pressurized Water Piping System
-Piping Maintenance

Who Should Attend:

Mechanical, Operation, Production, and Maintenance Engineers should benefit from this course. Also Technicians should update and refresh their knowledge by attending this course.

Training Language:

EN / AR

Training Methodology:

-Presentation & Slides
-Audio Visual Aids
-Interactive Discussion
-Participatory Exercise
-Action Learning
-Class Activities
-Case Studies
-Workshops
-Simulation

Venue | Date | Fees

Khobar | 10-12-2023 | 10,350 SAR