



MC117

Piping Failures – Causes and Prevention

Day 1

- Introduction
 - Piping System Failure
 - Releases from Piping
 - Fundamental Mistakes – We should be Doing Better
- Corrosion
 - Loss of Metal
 - API 570 Piping Inspection Code
 - ASME B31.1
 - Wrong Materials
- Flanged Joints
 - General
 - Examples
 - ASME PCC-1
- Valves
 - Examples
- Other Connections
 - Hoses
 - Thermoplastic Piping
 - Thermoplastic Lined Piping
 - Tubing
 - Expansion Joints
 - Small Branch Connections
 - Steam Traps
 - Pipelines
- Other Mechanisms
 - Fatigue
 - Creep
 - Water Hammer
 - Several Key Factors
 - Leak Testing & Cleaning