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