

Course Content

Title: Steam Methane Reformers - Design, Operation & Integrity Mgt

Potential PDH: 8

Code: BTT064

Description:

Training Module Description

- A4a SMR's – Radiant Inlet System
- A4b SMR's – Catalyst Tubes
- A4c SMR's – Radiant Outlet System
- A4d SMR's – Transfer Lines / Cold Collectors
- A4e SMR's – Convection Section

Who should attend: Reliability Engineers, Mechanical Engineers, Process Engineers & Inspectors

Outline:

- Basic understanding of SMR process function & design
- Basic understanding of key aspects of start-up, shut-down & balancing SMR's
- Basic understanding of SMR catalyst management
- Integrity Mgt of SMR radiant inlet section
- Integrity Mgt of SMR radiant catalyst tubes
- Integrity Mgt of SMR radiant outlet section
- Integrity Mgt of SMR refractory lined transfer lines / cold collectors
- Integrity Mgt of SMR convection section coils

Instructor:

David Keen is a qualified Metallurgist with over 45yrs domestic and international experience in fertilizer and explosives manufacturing facilities across 12 countries globally. These facilities include Ammonia, Urea, Nitric Acid, Sulphuric Acid, Phosphoric Acid, Ammonium Nitrate, Fertilizer plants and Steam Generation utilities. David is a Subject Matter Expert (SME) on equipment integrity management and has in recent years downloaded this knowledge into a series of training modules focused on preventing equipment failures through experiential learning and team problem solving sessions.