

HEAVY OIL PRODUCTION AND STEAM GENERATORS

This course has been developed to give the fundamental basis for managing Steam Generators; mainly OSTG and HRSG boilers and associated On-stream and Down-stream equipment integrity through design material selection, operate phase, chemical treatment and inspection integrity.

On-stream and Down-stream equipment are maintained and operated to known standards so that they are safe, cost effective and reliable, and present a risk due to loss of containment that is as Low as Reasonably Practicable (ALARP).

The course will cover:

- Impact of Inlet Separators Performance and Efficiency on Gas Quality and Water disposal
- Different Types of Boilers and Steam Generators
- Degradation Mechanisms of Steam Generators; e.g. Caustic corrosion and cracking
- Case Histories of Boiler Corrosion Failures and Explosions
- Proper Material Selection of Heavy Oil Production
- Impact of Huff/Puff Operation
- The use of K-55 materials in Heavy Oil Production
- Corrosion Monitoring Locations
- Rigorous assessment of HRSG boilers and associated upstream and stream equipment.
- Overall assurance of integrity and compliance with requirements

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