Course Content

Title: Sulphur Recovery, Tail Gas Treatment & Incineration Processes

Potential PDH: 40 **Code:** BTT062

Description:

This program's content is geared to further improve knowledge and experience with Sulphur recovery, Tail gas treatment and Incineration processes applications. Instructors will cover topics ranging from the basic process principles through items of current interest to become more familiar with specific challenges in these processes and how to effectively deal with these challenges in practice. Program participants will transfer and share the knowledge and best practices in the area of the Sulphur processes.

Outline:

1. Introduction
2. SRU Process Principles
3. SRU Reaction Furnaces
4. Catalytic Converters
5. Reheaters
6. Sulphur Condenser
7. Liquid Sulphur Treatment
8. SRU Start Up
9. Tail Gas Treating
10. Incineration
11. SRU Turndown
12. Design Considerations
13. Oxygen Enrichment
14. Performance Testing

Instructor:

Gordon Finnie is a highly respected Process Engineering Consultant with 30 years of expertise in technical, operational, and process safety leadership. He has a strong track record of improving performance and resolving issues in the oil and gas industry. With extensive experience in sour gas treatment, technical management, reliability assessment, safety integrity study, risk evaluation, QA audits, safety assessments, failure mode, and effects analysis, fault and event trees, HAZOP, fault identification/analysis, and team leadership. He has successfully led refinery modernization projects and addressed plant and equipment failure. Gordon is known for his strategic thinking, analytical skills, and ability to work in diverse environments. He possesses strong leadership, interpersonal, and networking skills, and can communicate complex ideas effectively. His core competencies include project management, budget management, and health and safety. As a consultant, he provides expert technical guidance and support to construction teams, conducts regular risk assessments, and audits, and ensures compliance with safety procedures. He has successfully Improved client's Sulphur Recovery Unit availability from 86% to 95%, reduced environmental emissions excursions by 80%, and eliminated personnel H2S exposure events. Mr. Finnie holds a BSc degree (Hons) in Chemical Engineering from the University of Strathclyde, Glasgow, Scotland