

# SULFUR RECOVERY TRAINING

**Who Should Attend?** This training is designed for production and processing personnel involved with sulfur recovery and natural gas treating requiring an understanding of the principles of these process operations. This course is also for facilities engineers, process engineers, operations personnel, field supervisors and others who select, design, install, evaluate or operate gas sweetening and sulfur recovery facilities.

## Course Outline

### Claus Units

- Fundamental Sulfur Plant Chemistry
- Controlling the Process Front End
- Mechanical Description of the Plant
- Thermal Reactor and Energy Balance
- Catalytic Reaction Section
- Sulfur Recovery, Loading, and Forming

### Sulfur Plant Incinerators

- Thermal Incinerators
- Process Conditions/Control

### Review of Tail Gas Treating Processes

- Fundamental Process Routes
- Impact of Emission Targets
- Commercial Examples

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### What Will You Get Out of It?

This course will provide participants with information on the design, operation and optimization of the sulphur recovery process, including a review of process chemistry, process equipment, operating problems, tail gas clean-up technologies, and new technologies related to the sulfur recovery industry. A comprehensive manual is included.

## Instructor

**John O'Connell** is an "authority" in SRU environmental and engineering circles with John has a proven track record in Sulfur Recovery in Gas Plants and Refineries Worldwide. John's commitment to helping clients meet and exceed stringent global regulatory environmental emissions standards for reducing greenhouse gas emissions through his expert analysis of SRUs is remarkable.

He spent two years as an operator at the Husky Energy Ram River Gas Plant rotating duties between sulfur recovery units, amine units, compressors and utilities. Western Research hired John in May 1991 to lead their team of specialists for conducting sulfur plant performance evaluations both nationally and internationally. Today, John leads the Sulfur Recovery Engineering team.

With his commitment to helping our clients worldwide, John O'Connell's experience and skill is transforming the Sulfur Recovery Business, worldwide. John remains keenly focused on helping preserve and protect our environment.



John O'Connell graduated from the University of Calgary in 1988 with a Bachelor of Science degree in Chemical Engineering. He has been a member of the Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA) since 1989. John's vision, commitment and innovation through science is renowned worldwide.



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