



Simulator-Based Gas-Fired Boiler Plant Operations for Operators

Course DESCRIPTION (9½ Days)

This instructor-led course is designed to provide hands-on operation of a gas-fired unit. Operating best practices are emphasized. The discussions and use of a high-fidelity simulator allow operators to practice and perfect routine, abnormal and infrequent operating scenarios in a safe environment without risk to equipment.

Prerequisites

Students should have a thorough understanding of power plant fundamentals and be familiar with the basic operation of a large gas-fired power plant.

Who Should Attend?

This course is designed for control room operators who wish to improve their skills operating a large gas-fired power plant under a variety of normal and abnormal operating conditions and for assistant operators who are preparing to assume responsibilities for unit operation.

Course CONTENT

- Unit Startup and Shutdown
- Operating Under Normal Plant Conditions
- Operating Under Abnormal Plant Conditions
- Operating During Plant Upsets
- Reacting Optimally to Multiple Alarms
- Troubleshooting Unit Performance

Course OBJECTIVES

At the end of this course, students should be able to operate with increased confidence while:

- Preparing the gas-fired unit for startup
- Starting up the unit following normal operating practices
- Properly operating the unit under routine conditions and load changes
- Preparing the unit for shutdown
- Responding to boiler/turbine trip and performing recovery
- Interpreting alarms and their relationships quickly
- Effectively responding to abnormal operating conditions, including a loss of condensate pumps, boiler feed pumps, boiler fans, air heater drives, boiler tube leaks, unit runbacks, etc.



REGISTRATION

Customized classes and site-specific training are available. Call GP Strategies™ Energy Services for pricing and course details. To obtain more information, visit us online at <http://fossilfuelcourses.gpstrategies.com/reg/> or call 800.803.6737.

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