

FOSSIL/NUCLEAR THERMAL PERFORMANCE ADVANCED PROGRAM OWNER TRAINING

CONTACT INFORMATION

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CLASSROOM INSTRUCTORS

The instructors are previous utility Thermal Performance Program Owners and have combined experience of more than 50 years of experience in this area.



INTENDED AUDIENCE

1. Thermal Performance Program Owner
2. BOP System Engineer



TYPE

True North Consulting offers this as classroom training.



DURATION

4 Days

ABSTRACT

True North Consulting provides Thermal Performance Program Owner Advanced Training for the existing qualified Program Owner. Monitoring a power plant's thermal performance requires talents from various disciplines combined with practical ability and a good understanding of thermodynamic principles. The True North Thermal Performance Advanced Program Owner course brings these attributes together by combining excellent theoretical knowledge with significant plant experience. True North brings over 25 years of foundation in theory, provides practical methods for thermal performance program development, and explains how to detect and recover lost generation due to component or systemic problems. The course includes various workshops where the student uses tools to analyze plant problems. Interfaces with various departments are discussed along with how to integrate plant data into the decision-making process. This course is held over a four-day period. Prerequisites and requirements are a calculator, a Heat Balance Diagram and/or Thermal Kit for your plant, a laptop with excel installed. This training and the instructors can provide Thermal Performance training for Level 3 Engineers.

TERMINAL LEARNING OBJECTIVES

The key learning objectives will cover the following technical areas:

1. Introduction
2. Correction Curves
3. Troubleshooting Basics
4. Condenser Troubleshooting
5. MSR Troubleshooting
6. FWH Troubleshooting
7. Turbine Troubleshooting
8. Overpower Diagnostics
9. Cooling Tower Troubleshooting
10. Heat Balance Diagram

KEY INDUSTRY DOCUMENTS

1. EPRI Volume 1, 2 & 3 Thermal Performance Manual 3002000560; 3002000489; 3002005346
2. Plant Engineering: Heat Cycle Isolation Valve Leakage Identification and Quantification [1025264]