

Electric Plant Operation & Maintenance

Understanding the operation, maintenance, troubleshooting, and application of facility electrical systems is instrumental in ensuring a safe and reliable operation. This class covers the safe operation of a facility electric plant to include recognition of specific hazards and safe switching. System design and layout are reviewed to gain a clear understanding of the system as a whole. Large frame circuit breaker operation and maintenance is reviewed in detail. Anyone responsible for the operation or maintenance of the electric plant should attend. Those needing to ensure a proper response to a substation emergency should also attend.

Course Duration: 16 hours

INTRODUCTION

SAFETY

Hazards
Protection

SYSTEM DESIGN

Configuration
Equipment Overview

LARGE FRAME BREAKER OPS

Review of Construction
Static trip operation
Proper closing
Automation
Cell position and communication
Rack In – Automation
Testing – Automation
Rack Out – Automation
Common failure scenarios
Sensing
Coordination
PLC controls

SWITCHING

Safety
Procedures
Equipment
Emergencies

SYSTEM WALKTHROUGHS

Course includes 8 hours of in plant walkthroughs

CONCLUSION