

HIGHVOLTAGE

switching / sub-station maintenance & repair

High Voltage Switching / Sub-Station Maintenance & Repair



Training Description:

High Voltage has such a large spectrum of levels. It involves many types of equipment and need to know issues. Many companies have a difficult time deciding what degree of training they need. The personnel who need training may range from beginner, to qualified, to expert. Areas of training needed may include safety and the use of proper personal protection equipment, or the ability to recognize specific components in sub-stations and their functions. From switching to sub-station maintenance, Lewellyn Technology and your company are the perfect fit. Let us bring the benefits to you today... improve your High Voltage knowledge, increase safety awareness, and reduce your downtime.

Training Benefits:

- Learn proper switching procedures.
- Understand the functions and components of sub-stations.
- Be able to spot hazards and common problem areas.
- Reduce expensive downtime.

Prerequisite: None
Standard Class Size: Up to 20
Program Length: 12 hours
CEU s: 1.2

Training Topics:

INTRODUCTION TO HIGH VOLTAGE SAFETY

- Electric Shocks
- Arc Blasts

29 CFR 1910.269

- Hazardous Energy Control (Lockout/Tagout)
- Switching Procedures
- Clearance Procedures
- PPE

TRANSFORMERS

- Voltage
- CT's and PT's
- Metering

SYMBOLS

- Switchyard Print Symbols
- Client Will Need to Provide Prints and Charts for Switching

HIGH VOLTAGE SAFETY WITH GROUNDING

SWITCHING SCENARIOS

- Perform Instructor Led Switching Scenarios Based on Information and Common Uses Within Switchyards

HIGH VOLTAGE SWITCHING PROCEDURES

- Examples
- Live Line Tools and Requirements
- Working On or Near Exposed Lines
- Proper De-energizing Procedures With Clearances
- Personal Protective Grounds

SUB-STATION SAFETY

- Hazards
- Common Problem Areas

DESIGN AND FUNCTION OF SUB-STATIONS

PROPER MAINTENANCE PROCEDURES

- Federal
- State
- Company

REASONS FOR FAILURE AND CAUSES OF POSSIBLE INJURY

MAINTENANCE TIMELINES AND VISUAL INSPECTIONS

SEPARATELY DERIVED SYSTEM

- Procedures for Maintaining Multiple Sites from Common Service

CLASS DISCUSSION AND REVIEW



We Improve Workplace Safety & Performance

CONTACT US:
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800.242.6673