Additional Training Available from DYMAX

Typical training topics include:

Electrical Safety Awareness

- Covers the hazards associated with electricity
- Describes the effects of electricity on the human body
- Discusses in detail the components of an electrical arc (arc flash and arc blast)
- Explains the limits of approach
- Details the personal protective equipment as described in NFPA 70E - Standard for Electrical Safety Requirements for Employee Workplaces

Substation Safety

- OSHA Electrical Safety-Related Work Practices
- Lock-out/tag-out procedures as described in OSHA Standard 29 CFR 1910.269
- The training, selection and use of safe work practices
- Use of equipment
- Safeguards as described in OSHA Standards 29 CFR 1910.331 through 1910.335

Respond to Power Failures

- Describes the electrical power distribution system specific to your facility
- Provides an operational overview and system troubleshooting of electrical outages

Reset Secondary Breakers of 600 Volts or Less

- Describes selective tripping
- Explains trip coordination of electrical power distribution systems
- Covers the types of circuit interrupting devices
- Explains the meaning of trip device indicators
- Provides hands-on training on the specific circuit breakers and trip units in your system
- Explains the principles of protective relay operation

Set Trip Devices per Instructions on the Cabinet Door

- Covers the principles of protective relay operation
- Describes selective tripping
- Explains trip coordination of electrical power distribution systems
- Includes hands-on training on the operation and setting of the specific trip devices in your system

Operate Tie Breakers in the Case of a Primary Failure

- The proper operational sequence to safely transfer the load from a dual transformer configuration to a single transformer configuration
- Required PPE
- Shedding of loads
- Lock-out/tag-out procedures
- Racking out and racking in of the main and tie circuit breakers
- Key interlock system
- Re-energizing the equipment

Lead a Crew in Substation Maintenance

- Reviews the secondary distribution system and the correct method of transferring secondary bus configurations to isolate the equipment on which maintenance is to be performed
- Includes the PPE required, lock-out/tag-out procedures, the racking out and racking in of the main and tie circuit breakers, the key interlock system, the shedding of loads, and verification that the equipment has been de-energized
- Reviews the recommendations found in manufacturers' reference materials and technical documentation
- Demonstrates the type and use of proper test equipment

Operate Primary Circuit Breakers

- The Utility Company interface and primary distribution system
- Required PPE
- Shedding of loads
- Operational procedures
- Lock-out/tag-out procedures
- Racking out and racking in of circuit breakers
- Re-energizing the equipment

Calibrate Primary Relays

- Protective relay operating principles
- The specific relay technical manual
- The type and use of the calibration test sets

Bus Plug Insertion and Removal

- The required inspection of the bus plugs prior to installation or removal
- The power distribution busway inspection requirements
- Proper bus plug installation and removal

To implement a professional electrical safety training program at your facility, contact Rick Edel – redel@dymaxengineering.com Phone: 763-717-3110 between 8:00 a.m. and 4:00 p.m. CS

DYMAX

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