

A great class offered by a partnership with Shermco and Meridian Technology Center and OPMUG!

COURSE COSTS:

Oklahoma based company
Class: \$550

Non-Members
Class: \$650

(it pays to be a member!)



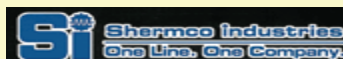
Training Event

“Electrical Safety for the Qualified Electrical Worker” (ESQEW)

OPEN TO OPMUG MEMBERS

October 22-23 2009

DEADLINE TO ENROLL IS September 25th!



Registration will be limited to the first 15 students that register!

www.opmug.net/training

jefff@meridian-technology.com

405-377-3333 x 251

Who Should Attend:

All technicians, field-service personnel, electricians, supervisors and engineers who supervise employees who perform operation or maintenance work on electric utilization equipment with voltages from 50 volts and higher.

Course Description:

A practical, intensive electrical safety program designed to meet the mandated OSHA safety training requirements [Fed/OSHA 29CFR1910 1910.331-.335 (Electrical Safety Related Work Practices)], as well as .137 (Electrical Protective Devices). Hazards of electricity, NFPA 70E Articles 110 through 130 (2009 edition), Hazard and PPE Assessments, Hot-Work Permits and Safety Electrical One-Line Diagrams (SEOLD) are all taught from the stand-point of field experience. This course focuses on the practical application of the OSHA regulations, rather than just explaining them.

Lab Time and Prerequisites:

Hands-on training (\pm 20%) program augmented with video and round-table discussions. Attendees should have basic electrical training. Some field experience is also recommended, but not mandatory.

Provides Contact Hours! Certified CEUs

Through Shermco's training program



Course Schedule/Outline

Introduction

- Terms and definitions
- Hazards of Electricity
 - Shock
 - Arc
 - Blast

Performing an Electrical Hazard Analysis

- A. Determining nominal voltage
- B. Shock Approach Distances
- C. The Flash Protection Boundary
- D. Determining incident energy
- E. How to choose PPE based on the hazard

III. Personal Protective Equipment (PPE)

- General requirements
- Head protection
 - Classes G and E
 - Inspection
- Eye and face protection
- Arc flash protection
 - Types of clothing
 - NFPA 70E tables
 - Choosing the proper ATPV
 - 4. Use of Footwear
- Rubber protective equipment
 - Gloves
 - Blankets and shields
 - Inspection
 - Maintenance
 - Testing
 - Use of
- Recordkeeping

IV. Energized Work

- A. Live work policy
- B. Responsibilities
- C. Energized electrical work permits
 - 1. Exceptions
- Establishing a safe work zone

V. De-energized Work

- Electrical Lockout/Tagout (LOTO)
- Placing equipment in an Electrically-Safe Work Condition
- Switching procedures
- Clearance orders
- Safety Electrical One-Line Diagrams
 - 1. Purpose
 - Uses
 - Interpreting
- Use of voltage detection equipment
 - 1. Selection of the proper tester
 - 2. Checking the meter before use
 - 3. PPE required
 - 4. Safe operation and use
 - 5. Verifying meter operation after use
 - 6. Induced voltages vs. backfeeds
 - 7. Testing taped connections

VI. Specific Equipment Hazards

- A. Circuit breakers and switches
- B. Transformers
- C. Instrument transformers

VII. Lab Sessions

- A. Inspecting PPE and insulated tools
- B. Using voltage detection equipment



Since 1974, Shermco has defined the standard for reliability in electrical services. Our independent status means one call takes care of every major brand of equipment you own. And our commitment to long-term customer relationships establishes the trust, economy and quality you expect from a turnkey electrical services provider.

****Cancellation Policy****

A training class can be cancelled when, less than 75% funded and is less than 30 days from the start of class (training). In this case there will be a 100% fee refund for registered participants. If a registered participant cancels less than 10 days before the start of class (training) they will forfeit 50% of the registration fee.