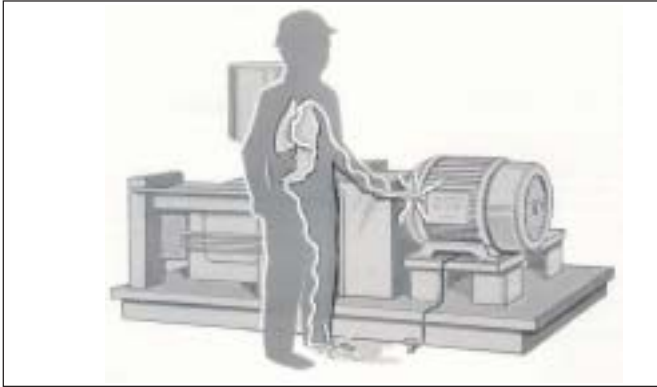


High Voltage Electrical Safety Hazard Training (Low and High Voltage 3 Day Class)



Description

This course is designed to help the participant to fully understand OSHA and NFPA 70E safe work practices. Electrical Power Generation, Transmission and Distribution regulations 1910.269 Appendix A, B, C and D will be covered in great detail. This course will take the participant through low voltage safety issues and continue with the information required for high voltage.

Outline

- National Electric Code (ANSI C2)
- OSHA 29CFR Regulations
- NFPA 70E required information
- Information developed by:
 - a. ANSI, American National Standards Institute
 - b. ASTM, American Society of Testing & Materials
 - c. IEEE, Institute of Electrical and Electronic Engineers
 - d. NFPA, National Fire Protection Association
- Electrical shocks, arcs and blasts
- Electrical plant safety
- Potential difference and fault current
- 29 CFR 1910.331-.335 Electrical Safe Work Practices
- Electrical work practices
- Training requirements
- Working on energized parts
- Working on de-energized parts
- Lockout tagout practices
- Proper use of rubber goods
- Insulated tools
- Flame resistant clothes
- Test instruments and equipment
- Safe maintenance practices
 - a. Switch gear
 - b. Fuses and circuit breakers
 - c. Batteries and battery room
 - d. Rotating equipment

Prerequisites

An electrical background is required for this course.

Performance Objectives

At the completion of this course the participant will have the knowledge to safely work around low and high voltage systems.

Course Length

24 hours./Up to 12 participants.