

POWER SAFETY PRO
The right gear and advice at the right price.™

OSHA AND NFPA 70E

Arc Flash and Electrical Safety Training



WARNING

**Arc Flash and Shock Hazard
Appropriate PPE Required**

3' - 4"
4.9
#2 Flash Hazard Boundary
cal/cm2 Flash Hazard at 18 Inches
PPE Level
Cotton underwear plus FR shirt and FR pants

0.48 kV Shock Hazard when cover is removed
3' - 6"
1' - 0"
0' - 1" Limited Approach
Restricted Approach - Class 00 Voltage Gloves
Prohibited Approach - Class 00 VoltageGloves

Equipment Name SWG-2A

IEEE 1584 Hazards; Project 1289A -- Safety Procedure #A6D24 --
EasyPower File: "Plant-A6.dez" -- Date: September 9, 2003

Course Outline



APS PowerSafetyPRO™

- NFPA 70E - Standard & Updates
- OSHA Requirements
- Arc Flash Hazards
- Personal Protective Equipment
- Energized Work Permits
- Risk / Hazard Analysis
- System Maintenance

Experienced electrical industry professionals provide a dynamic class with workbooks, video clips, PPE demonstrations and class exercises.



APS
Advanced Power Solutions

www.PowerSafetyPRO.com
(503) 558-8158

OSHA AND NFPA 70E

Arc Flash and Electrical Safety Training

APS PowerSafetyPRO™

Course Description - This electrical safety training course provides the participant with a basic understanding of safe work place practices from industry standards and recommended practices, including NFPA 70E, IEEE, NEC and Fed OSHA requirements. The industry experienced instructor led course includes: workbook, video clips, group exercises and demonstrations.

Objectives:

- Understand the hazards of working with and around electricity including Arc Flash and Electrical Shock.
- Learn to Identify & avoid potentially hazardous conditions.
- Review industry standards & recommended practices and apply selected NFPA 70E tables.
- Understand the difference between “qualified” and “non-qualified” personnel.
- Review the role of proper system installation and maintenance for worker safety.
- Review important considerations Personal Protective Equipment (PPE) selection & application.
- Develop safe work practices and complete Energized Work Permits.
- Walk away with a “hit list” of items to help improve worker safety.



Who Should Attend:

- Engineers
- Electricians
- Maintenance Personnel
- Management Personnel
- Safety Personnel
- Electrical Contractors
- Repair Technicians

Course Outline

- Electrical Hazards
 - Arc Flash
 - Arc Blast
 - Shock
- Causes of Injuries
- Consequences of Injuries
- Safety Planning and Goal Setting
- Financial Impact of Injuries
- Standards and Recommended Practices
 - NFPA 70E
 - NFPA 70 B
 - NEC
 - IEEE
 - OSHA 1910 Subpart I, J & S
 - Other (ASTM, ANSI, Etc.)
- Installation Practices for Worker Safety
- Maintenance Practices for Worker Safety
- Lockout/Tag out
- Arc Flash Hazard Analysis
- System Labeling
- Personal Protective Equipment (PPE)
 - Selection
 - Application
 - Industry Standards
- Safety Tools and Equipment
- Meter Safety
- Arc Flash and Electric Shock Protection Boundaries
- Energized Work Permits
- Justification for Energized Work
- Owners Responsibility for Contractors
- OSHA and NFPA 70E Training Requirements
- Safety Program Development
- Safety Program Implementation

Contact us for consultation or proposal:

- Safety Training (*ask about CEU's*)
- Safety Program Evaluation & Development
- Arc Flash Hazard Analysis
- Personal Protective Equipment
- Training for Management
- Safety Program Template

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