

**In partnership with the Construction Safety Council ,
LP Management Services, Inc. presents**



NFPA 70 E Electrical Arc Flash

Presented by Rick Elwell and John Kovalan

Arc flash dangers such as shock, electrocution, and arc blast are serious hazards. Hazard awareness training, mitigates the risk of serious bodily injury or property loss. NFPA 70 E Electrical Arc Flash is the leading standard for determining electrical hazards and protecting employees. NFPA 70 E will be coupled with pertinent OSHA standards that apply to the work employees are performing. Case studies, power points, and video will be utilized in the program.

Thursday • September 30, 2010 • 7:30am - 3:30pm

Course Topics

NFPA 70E

2004 and 2009 Updates
Definition of Qualified Persons
Definitions of an Unqualified Person
Overview of Pertinent Tables and Calculations

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Flame Resistant (FR) Clothing
Layering of Clothing
Cleaning and Laundering of FR Clothing
Recertifying Arc Flash Products
Choosing FR Clothing and PPE
Flash Hood or Switching Hood
Hand & Foot Protection
NFPA 70E Hazard Risk Categories

LOCK OUT TAG OUT

Procedure Overview
Installation of Isolation Devices & Tags
Utilizing Log Sheets and Audit Forms
Protective Grounding

ELECTRICAL HAZARDS AND ACCIDENT PREVENTION PROGRAM

Electrical Hazards
Voltage Level & Degree of Hazard
Causes of Electrical Accidents
Electrical Shock & Electric Arcs
Arc or Flash Burns
Accident Prevention Program

FLASH PROTECTION BOUNDARY AND LIMITS OF APPROACH

Definitions of Boundaries and Spaces
Flash Protection Boundary
Limited Approach Boundary
Restricted Approach Boundary

ENERGIZED CIRCUITS

When is Energized Work Acceptable
Use of Energized Work Permits
Determining Safe Boundaries

TOOLS AND VOLTAGE DETECTORS

Live Line Tools – Types, Ratings, Care and Maintenance
Voltage Detectors
Direct Contact Type & Proximity Type
Procedure for Safe Use of Voltage Detectors

The per person fee for this 8 hour class is \$175 (contributors) and \$275 (non-contributors)

For more information
about this class please
contact:

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Contact Person and Title

Company Name

Address

Office or Cell Number

Fax Number

Sign up additional employees:

**Registration is required • Fill out this form and fax it to 708-544-2371 • Confirmation will follow
Registration deadline is Friday, September 24, 2010**