



ELECTRICAL TRAINING

Three Rivers Manufacturers' Association

A PROGRAM OF THE THREE RIVERS MANUFACTURERS' ASSOCIATION

ELECTRICAL SAFETY IN THE WORKPLACE – NFPA 70E REQUIREMENTS

Three Rivers Manufacturers' Association, 1615 W. Jefferson Street, Joliet, IL 60435

AGENDA

7:15 a.m. Registration & Continental Breakfast
7:30 a.m. – 11:30 a.m. Program

DESCRIPTION: Arc flash dangers such as shock, electrocution, and arc blast are serious hazards. Hazard awareness training and qualification can mitigate the risk of serious bodily injury and loss. The NFPA 70E Standard for Electrical Safety in the Workplace has been developed to protect the worker and ensure compliance with OSHA's General Duty Clause – to provide a safe and healthful work environment. Participants will learn the specifics of the NFPA 70E Standard and how to apply its rules to everyday electrical related tasks and procedures. Case studies, PowerPoint's and video will be used to explain and illustrate the requirements.

PRESENTER: Chicagoland Construction Safety Council

NFPA 70E

- Updates
- Definition of Qualified Persons
- Definition of Unqualified Persons
- Overview of Pertinent Tables

Personal Protective Equipment (PPE)

- Flame Resistant (FR) Clothing
- Layering of Clothing
- Cleaning and Laundering of FR Clothing
- Choosing FR Clothing and PPE
- NFPA 70E Hazard Risk Categories

Lock Out/Tag Out

- Procedure Overview
- Installation of Isolation Devices & Tags
- Removing of Devices
- Affected Personnel

Electrical Hazards & Accident Prevention Program

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

Flash Protection Boundary and Limits of Approach

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