



Arc Flash and NFPA 70E Safety Training

Introduction:

NPM provides general or site specific safety training based on NFPA 70E - Standard for Electrical Safety in the Workplace and OSHA standards. The in-depth electrical safety courses are presented in a personal and practical way by safety professionals with extensive experience with arc flash analysis and safety training. The course will be tailored to the electrical safety needs of the facility if site specific safety policies are available. The course will include electrical safety topics with a focus on arc flash safety and shock safety. Class duration can be adjusted to meet your specific needs (often 4-8 hours).

Course Content:

The course will include:

1. Motivation for electrical safety with statistics and case studies
2. Introduction to OSHA and the NFPA
3. IEEE Standard 1584 - Electrical Guide for Performing Arc Flash Hazard Calculations
4. OSHA 1910 Standards for General Industry: PPE, Lockout, Electrical Safety
5. NFPA 70E - Standard for Electrical Safety in the Workplace
 - a. What is arc flash? What is arc blast?
 - b. Arc Flash Personal Protective Equipment (PPE) selection and use
 - c. Arc flash boundary explanation and examples
 - d. What is the working distance?
 - e. Understanding your facility's Arc Flash Labels
 - f. Discussion of qualified and unqualified workers
 - g. Shock discussion (statistically the most dangerous electrical hazard!)
 - h. Shock hazards and shock approach boundaries
 - i. Shock Personal Protective Equipment (PPE) selection and use
 - j. Using energized work permit
 - k. Pre-job safety meeting
 - l. General lockout procedures
6. Themes of Safety: communication and documentation
7. Test to demonstrate proficiency in work practices

Deliverables:

- Safety course presented onsite at customer facility
- Safety training handout for each participant
- Test will be shared with management for recordkeeping
- Certificate of Completion for each participant
- Course syllabus and class attendance list for management's records

Contact us today at 270-678-1712 for more information!