



ARC FLASH ELECTRICAL SAFETY [based on NFPA 70E]: OPERATOR SAFETY- LIVE ONLINE TRAINING

Single Class Capacity: 15

Duration: 4 Hours

Workers in an industrial setting operate a variety of different equipment and are thus exposed to electrical hazards. The good news is that a trained operator can be a part of your maintenance solution, reporting when equipment is no longer operating in a "Normal Operational" state, giving you extra eyes and ears to identify potentially needed maintenance.

This course is intended for workers who operate equipment and their supervisors. Students will learn about the electrical hazards they will encounter as equipment operators and then, using this context, be able to observe and report the status of equipment's Operating State.

This course meets the requirements specified for 3-year refresher training in the NFPA70E® standard: "Retraining in safety-related work practices and applicable changes in this standard shall be performed at intervals not to exceed 3 years."

WHAT THIS COURSE COVERS

- Electrical safety and your electrical safety program
- Potential hazards faced by electrical workers
- Electrical work practices and procedures
- Electrical personal protection equipment
- Normal operation of electrical equipment
- Establishing the electrically safe work condition
- Electrical emergency response

WHO SHOULD TAKE THIS?

- Operators of industrial equipment
- Supervisors of Operators
- Managers
- HSE Personnel

COURSE OUTCOMES

- Operators will be able to work more safely on and around industrial equipment by understanding the electrical hazards and how to identify them per the equipment they are working on.
- Operators will also be able to observe and report changes from "normal operating" state for the equipment they are working on.



Every NTT course is eligible for CEUs (or Continuing Education Units) with your governing board approval or your states approval.



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COURSE AGENDA

ELECTRICAL SAFETY AND YOUR ELECTRICAL SAFETY PROGRAM

- Review of the latest data on electrical safety
- Understanding who is a “Qualified Person,” and what they may and may not do.
- Understanding who is an “Unqualified Person,” and what they may and may not do.
- Important definitions.
- Maintenance issue requirements.
- New Job Safety Plan and job briefings requirements.
- Incident investigations mandated for company electrical safety programs.
- Requirements to use a Hierarchy of Controls for risk assessment.
- Training requirements changes.
- Test Instruments, extension cords and GCFI requirements.

THE POTENTIAL HAZARDS FACED BY ELECTRICAL WORKERS

- Review of shock, arc flash and arc blast hazards
- Current methods of shock and arc flash mitigation.

ELECTRICAL SAFE WORK PRACTICES AND PROCEDURES

- Implementing a Risk Assessment approach as opposed to unquestioned compliance.
- New Job Safety Planning requirements: Estimating likelihood and severity of hazards.
- Interpreting Equipment Labels.
- Changes in Table usage for both the “incident energy analysis method” and the “table method.”

ELECTRICAL PERSONAL PROTECTIVE EQUIPMENT

- New table for selection when using the incident energy method.
- New explanation of the six-month requirement on glove testing.
- Review of inspection and usage requirements for electrical PPE.

NORMAL OPERATION OF ELECTRICAL EQUIPMENT

- Practical examples of using the six requirements to determine if electrical equipment can be operated normally of if additional protection is required.

ESTABLISHING THE ELECTRICALLY SAFE WORK CONDITION

- Additional requirements for establishing an electrically safe work condition.

ELECTRICAL EMERGENCY RESPONSE

- Requirements for Electrical Emergency Response Training.
- Review of the NTT emergency response plan.



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EQUIPMENT DETAILS

CLIENT PROVIDED COMPUTER REQUIREMENTS

- Internet Access
- Speakers
- Microphone
- Ability to download and view files for course

