

Investigating & Documenting Utility Employee Accidents UEA1

The premier seminar on utility accidents for almost 20 years!

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Myrtle Beach, SC

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Revised for
2010

About the seminar

When there is an accident, you need to gather and analyze the appropriate data yesterday—before it goes away. You need to quickly

- (a) determine whether you met the appropriate requirements and
- (b) secure information concerning the actions, qualifications, tools and equipment of other parties.

In addition, you must be prepared in the event of an OSHA inspection or investigation.

Regardless of whether you are on the team gathering data and analyzing the accident or you are developing the appropriate litigation strategy, it is vital that you understand what data is required, how to use it, and how to make it be the most effective in civil or OSHA litigation.

Discussions by engineers who have investigated well over 1000 utility accidents and are U.S. Department of Labor authorized OSHA instructors will help you understand effective ways to investigate and document accidents in a manner that will aid and promote effective litigation decisions.

At the end of the seminar, attendees are divided into teams to review a real accident scenario and prepare (a) lists of measurements and other data to be gathered and (b) present arguments to be made for each side, based on information provided in class.

Who should attend

- ◆ investigators
- ◆ attorneys
- ◆ paralegals
- ◆ engineers
- ◆ risk managers
- ◆ claims managers
- ◆ claims agents

Important topics

- ◆ Responsibilities of utilities
- ◆ Responsibilities of others
- ◆ How to investigate the scene
- ◆ How to make measurements in the field with hand tools
- ◆ How to document and control evidence
- ◆ How to reconstruct accidents
- ◆ How to apply codes and standards
- ◆ How to determine whether you met the appropriate requirements
- ◆ How to consider the effects of electricity on the body
- ◆ OSHA regulations applicable to utility employees

In addition, you receive

- ◆ 2007 National Electrical Safety Code
- ◆ NESC Handbook, 6th Edition
- ◆ Bound Student Workbook
- ◆ Excerpts from Practical Utility Safety
- ◆ Exercise/Answer sets
- ◆ CEUs and NC PDHs awarded upon successful completion of workshop
- ◆ Plus continental breakfasts, complete lunches, & refreshments

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3.5 Days — \$1545

Day 1

- ◆ How to use codes and standards
 - NESC vs. NEC and OSHA
 - Old vs. new NESC clearance system
 - Standard vs. nonstandard clearances
 - Effect of temperature, wind and ice loading on clearances
 - Examples of conductor movement
 - Which NESC edition applies
 - Required Inspections
- ◆ Case studies: Using codes, regulations, and standards
 - Accidents: #1 - Dump truck, #1A - Crane, #1B - Backhoe
- ◆ Electrical work accidents
 - Electricians
 - Power line workers
 - Communication line workers
- ◆ Using the Employee Misconduct Defense requirements
 - Appropriate work rules addressing behavior & conditions
 - Communication of work rules to employees
 - Supervision of employees
 - Enforcement of work rules

Day 2

- ◆ Using OSHA regs & ANSI stds. for multiemployer work sites
 - How OSHA views the responsibility of multiple employers
 - OSHA Directives to compliance officers
 - How to meet OSHA regulations using ANSI A10.33
- ◆ Electrical installations
 - Operation of fuses, breakers, reclosers
 - Building wiring accidents
- ◆ Using injury information
 - Electrical phenomena
 - Resistance to electrical flow through body
 - Mechanisms of electrical injury
 - Effect of current flow on the heart
 - Effect of current flow on extremities
 - Blunt trauma
 - Using injuries to analyze position/actions of injured
- ◆ Requirements for Safety Signs
 - NESC Rules requiring safety signs
 - Applicable ANSI standards
 - Attributes of good safety signs
- ◆ Documenting & Preserving Evidence
 - Matching evidence marks
 - Photographs vs. videos
 - Measurements
 - Accident report check list
 - Accident site investigation & analysis tools

Day 3

- ◆ Documenting & Preserving Evidence (cont.)
- ◆ Recreating accident conditions & clearances with photos & measurements using antenna removal accident
 - NESC antenna requirements
 - Sag & Tension effects
 - NESC antenna clearance conductors
 - Wind displacement conductors
- ◆ OSHA investigations
 - Accident investigation vs. general inspect.
 - Mgt interviews/rights
- ◆ Case Studies (cont.) - Accidents
 - Scaffold
 - Ladder
 - Off-road vehicle
 - Substation
 - Trenching
- ◆ How to train, instruct, supervise & discipline employees
- ◆ Introduction to Communication Case Study
- ◆ OSHA & NESC work rules Applicable to Communic. line work
 - Communication operation, maintenance & construction
 - National Electrical Safety Code Sections 41-43
- ◆ Analysis of Responsibilities of Parties in Commun. Case Study
- ◆ Comments on Maint. of Approp. Records & Evidence Control
- ◆ Use of Exhibits in Reports, Depositions & at Trial

Day 4

- ◆ Putting it all together
- ◆ Investigation of line worker on pole
 - Groups receive limited info like when called to accident
 - Develop list of info needed from each party
 - Present results to class
- ◆ Conclusions and Recommendations
 - Grps given pertinent info about accident gained during actual invest.
 - Develop conclusions as to responsibilities of parties
 - Develop recommendations for future changes to utility policy, if any
 - Present results to class
- ◆ Roundtable discussion of issues & techniques presented in course

Note: Adjourn @ 11:00am; plan flights for 1:30pm or later.

For complete information on our seminars and products visit our website www.PCUtraining.com or call Toll free 1.877.502.8900