

# CSI Country Wide Case Study Safety Strategy Discussion

## Construction Safety Investigator



### Instructions

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The objective of this tool is to provide field supervisors with information to proactively engage workers and discuss safety related concerns that they may encounter. Safety discussions should not be limited to the subject above and should pertain to the activities that workers will be involved in that may have the potential for safety related exposures.

### Case Day:

June 2, 2008

### Accident Type:

Power Transmission Accident - Electrocution

### Relevant laws, rules and codes may include:

29 CFR 1926.950(a)(1), 1926.950(b)(1), 1926.950(c)(1) thru (c)(1)(iii), 1926.950(d)(1) thru 1926.950(d)(2)(ii), Section 507 (a) of the American Public Power Association (APPA) Safety Manual for an Electric Utility, MIOSHA Construction Safety and Health Standard, Part 16, Power Transmission and Distribution Rule 1626(2)

### Case:

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A 47-year-old male journeyman lineman/foreman was electrocuted.

### Accident Detail:

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The journeyman lineman/foreman was installing a new 15 KV switch for a single phase, 7,200-volt overhead power line suspended from a wood pole. The decedent was working from an insulated aerial bucket. He had removed his lineman's gloves prior to removing the first lower bolt of the arrestor.

His coworkers believe the can arrestor tipped and the decedent attempted to catch it with his right hand. The current passed through his right hand, across his chest and exited his left hand, which was in contact with a second energized conductor. The decedent yelled to his ground man to lower the bucket. When the bucket was lowered, the decedent was still breathing but unconscious.

The ground man yelled to a two-person journeyman line crew working approximately 200 yards away to come over to help lift the decedent from the bucket. After taking the decedent out of the bucket, the crew began CPR while the ground man called his supervisor for assistance. Arriving 6 minutes later, the emergency response personnel took over medical care and then transported the worker to a local hospital where he was declared dead.

### Reconstructive Safety Evaluation:

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- What are some of the possible causes of the accident being discussed?
- What actions could have been taken that might have prevented this accident from occurring?

