

CSI Country Wide Case Study Safety Strategy Discussion

Construction Safety Investigator



Instructions

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 2007

Accident Type:

Aerial Lift Accident – Caught Between

Relevant laws, rules and codes may include:

29CFR 1926.20(a)(1), 1926.21(b)(2), 1926.453(b)(2)(ii), 1926.453(b)(2)(iv), 1926.454, Mfr. Operators Manual and Safe Work Procedures

Case:

A 28 year-old electrician was killed when he was crushed between and aerial lift's controls and overhead mechanical systems.

Accident Detail:

The worker was employed by an electrical contractor hired to install electrical services in a new high rise building. The electrician was assigned to install wiring for the fire protection systems in a below ground level. The electrician was working alone at the time and no others witnessed the incident.

When the electrician was found, he was found trapped between the upper controls in the boom platform of the aerial lift and the sprinkler system installed on the ceiling. The boom lift's platform structure was bent out of shape by the upward crushing force of the impact.

Workers attempted rescue by lowering the boom and platform using the lifts lower controls but when emergency responders arrived, the electrician was already deceased.

Reconstructive Safety Evaluation:

- 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

