

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:

May 30, 2008

Accident Type:

Tower Crane Accident - Collapse

Relevant laws, rules and codes may include:

1926.550, 1926.550 (a)(1), 1926.550 (a)(5), 1926.550 (a)(6)

Case:

A New York City tower crane collapses during the early morning hours, causing debris and equipment to cascade down onto a nearby apartment building, killing the crane operator and a construction worker at street level.

Accident Detail:

A Kodiak brand tower crane's turntable, cab and luffing boom snapped from the upper most tower mast section while working on the construction of a 32-story high-rise NYC apartment building.

No load was on the hook at the time of the accident and the crane was not in the process of being jumped or dismantled.

The tower mast section did not break free from its supports or from the building structure.

Some estimates report that the accident could result in up to \$200 million in damages.

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?

