

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:

Unknown

Accident Type:

Rigging Accident -Nylon Sling Failure

Relevant laws, rules and codes may include:

1926.21(b)(2), 1926.251(a)(1)-(6), (e), 1926.753

Case:

A 24 year-old construction worker died after the nylon slings that were carrying steel beams failed.

Accident Detail:

Two workers were unloading a delivery truck that contained approximately 42,000 pounds of structural steel. A 450-ton crane on site was assisting with the unloading process.

The lifting procedure was discussed with the workers' senior supervisor on-site. The first and second lifts were done without incident. The senior supervisor then left the job site to perform other responsibilities.

Then, the construction workers rigged the rest of the steel and picked it up as one load, instead of the three separate loads as planned. The first and second loads weighed approximately 8,700 pounds apiece. The third load was approximately 24,000 pounds. The lift was near its maximum radius when the nylon slings failed, dropping its load on top of the decedent.

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?

