

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:

April 2008

Accident Type:

Personal Protective Equipment - Concrete Burns

Relevant laws, rules and codes may include:

29CFR 1926.20(a)(1), 1926.21(b)(2), 1926.95(a)

Case:

During a concrete bridge deck pour, four construction workers suffered concrete burns on their hands and feet.

Accident Detail:

The workers were part of a concrete crew, which at the time of the incident, was performing the placement, vibrating and finishing of the deck pour.

About halfway through the pour, the four workers involved in the placement of the concrete and vibrating began to complain of irritation on their hands and feet. The workers continued their tasks, completing the pour first and then left the deck area to remove their gloves and boots. When the workers removed the gloves and boots, they found that they had severe irritation and redness. After a medical evaluation, this turned out to be caustic burns from the concrete.

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?

