

CSI Country Wide Case Study Safety Strategy Discussion

Construction Safety Investigator

CHUBB®

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:

Powered Industrial Truck Accident -Explosion

Relevant laws, rules and codes may include:

29CFR 1926.20(a)(1), 1926.21(b)(2), 1910.178, 1926.602(d)

Case:

A worker was killed when the forklift truck he was operating set off an explosion.

Accident Detail:

The worker was involved in debris removal for construction operations at an Ethanol production facility. He was tasked with removing containers filled with garbage and other debris generated during a series of construction renovations and upgrades to the facility.

With a loaded debris container on the truck, the operator was traveling to the designated area where the debris would be stored until it was transported off site. Along the way to the debris storage location, the operator drove out of the designated path of travel for this type of fork truck (Type G) and passed the Ethanol storage area (Class I location).

While traveling past a series of Ethanol fuel storage tanks, a spark was generated by the fork truck which set off an explosion at one of the tanks killing the operator.

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?

