

# CSI Country Wide Case Study Safety Strategy Discussion

## Construction Safety Investigator



### Instructions

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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:

October 2009

### Accident Type:

Welding Accident - Torch Cutting Fire

### Relevant laws, rules and codes may include:

29CFR 1926.20(a)(1), 1926.21(b)(2), 1926.352

### Case:

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A warehouse building which was under construction was accidentally set on fire by an iron worker who was cutting a hole in the roof with a torch.

### Accident Detail:

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An iron worker went to the roof of a warehouse building which was under construction. While cutting the hole in the roof, the roof caught fire, quickly spreading across the entire roof and the rest of the building, generating massive amounts of black smoke.

While cutting, the heat and flames of the torch used by the iron worker ignited the roof membrane. Because the membrane material is petroleum based, it is extremely flammable.

### Reconstructive Safety Evaluation:

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- 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?

