FOCUS FOUR TOOLBOX TALKS

Module 4, Electrocution Talk Number 1

What increases your risk of electrocution?

[Ask the following questions and give time for answers.]

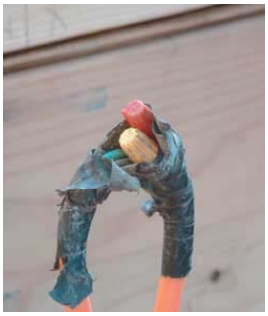
What are the hazards? Bodily contact with electricity

What are the results? Shock, fire, burns, falls or death

What should we look for? Damaged equipment, faulty wiring, improper cord use, no GFCIs, wet conditions, reverse polarity, potential arc flash areas, lack of assured equipment grounding conductor program

[Relate this incident or, better, one you know.]

Actual Incident: A 40-year-old male plumber died after lying on his work light while installing plumbing under a house being remodeled. The victim was crawling under the house carrying the work light with him. The wire inside the work light's conduit became bare and energized the light's housing. Investigation of the incident showed a damaged work light was used with no GFCI. Also, the home's electrical system was not properly grounded.



[Ask the following question and ensure every item is covered.]

How do we prevent these results?

- □ Inspect all electrical equipment before use.
- □ Use GFCI with all power tools.
- □ Use intact and properly rated cords (i.e. correct AWG).
- □ Do not use damaged equipment - take it out of service.
- □ Institute an assured equipment grounding conductor program.
- □ Do not work in wet conditions with electricity.

[Ask the following questions about this site and ensure every item is covered.]

Let's talk about this site now.

- □ What factors increase your chance of being electrocuted?
- □ Can someone demonstrate how to inspect this tool for electrical safety? (Give them a tool.)
- □ What are some areas on the site that could use attention pertaining to electrical hazards?

[Record questions below that you want to ask about this site.]

What are the hazards shown in these photos?

This material was produced under grant number SH-16591-07-06-F-11 from the Occupational Safety and Health Administration, U.S. Department of Labor. It does not necessarily reflect the views or policies of the U.S. Department of Labor, nor does mention of trade names, commercial products, or organizations imply endorsement by the U.S. Government.