

WEEKLY SAFETY MEETING

FOR THE CONSTRUCTION INDUSTRY

SAFETY MEETING OUTLINES

Box 700, Frankfort, IL 60423

815-464-0200

No. 37

Vol. 21

Week of 9/11/2023

Company Name _____

Job Name _____

Date _____

ELECTRICAL SAFETY

There is no doubt that electricity makes our lives much easier here at work. We use it all over the place: lights, drills, saws, screw guns, and welders; but we have to remember that with the convenience of electric power also come very real hazards. Today we will discuss electric shock which is probably the most obvious electrical hazard, but is also the most likely to cause injury.

Let's consider the electrical system in general. The goal is to provide you with power while preventing you from being electrocuted. All wiring which is not part of the structure's permanent electrical system must be protected by either Ground-Fault Circuit Interrupters (GFCIs) or an assured equipment grounding conductor program. Both of these options help protect you from ground-fault electrocution hazards. If GFCIs are used they must be installed on all 120 volt, single-phase, 15- and 20-ampere receptacles. Receptacles on **some** smaller generators are exempt under certain conditions. An assured equipment grounding conductor program may be used to provide ground-fault protection in the absence of, or as a compliment to, GFCIs. An assured equipment grounding conductor program involves a written program specification, regular testing, and documentation of test results.

There are many other shocking situations which you can prevent. Pay attention to where power and extension cords are placed, even if you didn't put them there. Don't run extension cords across aisles or driveways; they create tripping hazards and can be damaged by foot or vehicle traffic. Double insulated tools don't require a ground conductor, the design of the housing protects you; but a damaged housing may not be able to provide that protection. Be sure the housings on all tools are in good repair. Remember that special precautions must be taken when using electricity in wet areas or where there are fire or explosion hazards.

Exposed conductors also present electrocution hazards. Until you have locked out the circuits, treat exposed wires in power panels, receptacles, junction boxes, etc. as though they are energized. Always follow your employer's lockout/tagout procedures.

Keep electricity under control. Follow the manufacturers' instructions for all of your tools. Don't let your carelessness result in injury or death to you, your fellow workers, or members of the public.

SAFETY REMINDER

**Never break off a ground prong
to fit a plug into an ungrounded receptacle.**

Special Topics For Your Project _____

Employee Safety Recommendations _____

Reviewed MSDS # _____

Subject _____

Meeting Attended By _____

Supervisor's Signature _____

These instructions do not supersede local, state, or federal regulations.