

Revision No. 3	09 / 2005	Page 1 of 1
Kennecott Utah Copper Corporation Safety and Health Standards		Standard No.: 16.9 Portable Electrical Equipment

16.9.1 **INTRODUCTION**

16.9.1.1 The purpose of this standard is to prevent equipment damage or personal injury when using portable electrical equipment.

16.9.2 **REQUIREMENTS**

16.9.2.1 **GROUNDING** - The exposed non-current carrying metal parts of portable and / or plug-connected tools, welders and other equipment must be grounded.

- Portable tools and appliances with an approved system of double insulation need not be grounded. To avoid the grounding requirements the item being used must be clearly marked as being double insulated.

16.9.2.2 **POWER TOOLS** - Hand-held power tools must be inspected before each use for damage or alteration. Unsafe conditions must be corrected before the tool is used.

- Power drills, disc sanders, grinders, circular saws, and chain saws when used in the hand held mode shall be operated with controls which require constant hand or finger pressure.
- Circular saws and chain saws shall not be equipped with devices which lock-on the operator controls.
- Hand-held power tools shall not be operated at voltages above 120 volts.
- Disconnect tools when not in use, before servicing and cleaning, and when changing accessories such as blades, bits, and cutters.
- Never carry a tool by the cord. Avoid accidental starting - do not hold fingers on the switch button while carrying a plugged-in tool.
- All factory installed guarding must be in place when operating any hand tool.

16.9.2.3 **WELDERS** - Portable welders must be plugged into an approved receptacle and equipped with the following:

- A disconnect switch or circuit breaker in the supply system.
- A nameplate giving electrical data for the welder.
- An approved welding lead.

16.9.2.4 **CORDS** – Electrical cords must be protected from physical damage. Before use power cords must be inspected for missing ground prong and damaged insulation or damage to the plug or receptacle.

References: <u>National Electric Code (NEC).</u> <u>MSHA 30 CFR Part 56 & 57.12028</u>					
Signatures					
Original signed by: Frank Klobchar	10/25/05	Original signed by: Chris Crowl	10/28/05	Original signed by: Bill Champion	11/1/05
Standards Committee Chairman	Date	Vice President Human Resources	Date	President, KUCC	Date