



MSHA's Accident Prevention Program Miner's Tips

**SAFETY
IS A
VALUE!**

Energized Receptacle Hazards

Category : **Electrical**

Mine Type: **Electrical, Longwalls, Mobile Equipment, Section Face Equipment**

A recent accident dramatically shows the tremendous electrical energy available at power center receptacles. In the accident, the receptacle was used to set off a round of shots. The receptacle contacts were accidentally shorted with a detonator cable was connected to the receptacle. An arcing fault occurred, vaporizing much of the receptacle's contact material. The miner died from his injuries. Arcing faults of this type can not only burn flesh, but the vapors can cause deadly damage to lungs.



Connections should never be made to energized receptacles. Ground wire monitor circuits should never be bridged to allow receptacles to be energized.

If you have a tip you would like to pass on, you can e-mail it to MinersTips@msha.gov.
If your Miner's tip is selected, you will receive credit in this space.

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Remember – Safety is a Value that you can LIVE with!