

# MNMM Fatal 2007-33

- Electrical Accident
- September 14, 2007 (Arizona)
- Copper Operation
- Assistant Electrical Superintendent (Contractor)
- 46 years old
- 20 years experience

# Overview

The victim was seriously injured on September 14, 2007, when a ground fault occurred in the 5.2 motor control center (MCC). He was troubleshooting an electrical problem in the 5.2 MCC when he contacted an energized fuse and the switch gear handle, resulting in a ground fault condition and arc flash. The victim was hospitalized and died as a result of his injuries on July 7, 2008.



# Root Cause

Management policies and controls were inadequate and failed to ensure that the electrical circuit was de-energized, locked out, tagged, and tested before work was performed on the circuit.



# Best Practices

## Before YOU perform electrical work:

- Positively identify the circuit on which work is to be conducted and the corresponding disconnecting device.
- De-energize power from the circuit and place YOUR lock and tag on the switch.
- Ground all phase conductors to the equipment grounding medium with grounding equipment that is properly rated.
- Verify that the circuit is de-energized by testing the circuit for voltage using properly rated test equipment.
- Utilize properly rated Personal Protective Equipment including Arc Flash Protection such as a hood, gloves, shirt, and pants.