

MCC Maintenance

Incident Summary

An electrical contractor received a severe electric shock as he was pushing a contactor into its cell after servicing it. The victim, part of a two-man crew, were performing preventative maintenance on an MCC. The victim received a 4800V shock when his hands were making contact with the contactor's bus.

Causal Factors:

1. Crew did not consider hazards involved with more than one worker simultaneously working on a multi-unit machine.
2. Crew did not review schematics of equipment or line diagrams.
3. No hazard assessment was performed by the customer and contractor crew.
4. Safe work permit did not identify the gaps in the contractor's work procedure.
5. The crew did not lock and tag out in accordance with OHSA.
6. The Lead Electrician did not communicate to the victim that was exercising the racking handle.



Pulp and Paper Electrical Room

Incident Summary

An arc flash event occurred at a pulp and paper plant injuring three workers while replacing a power box in an electrical room. One of the electricians was reaching between two energized parts with a nut driver to remove a bracket when the contact and resulting arc flash occurred.

Causal Factors

1. Generic supervisors have little to no electrical knowledge.
2. Electrical concerns not brought up during monthly safety meetings.
3. No tracking by documentation or audits of lockout procedures.
4. No direct supervision of victims on that day.
5. Proper PPE not worn by victims.
6. No hazard assessment completed to perform this task.