

ELECTRANET SA - SAFETY GRAM



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Date of Incident : 5-03-03



Subject: Electric Shock / Burn

Brief description of accident/incident: -

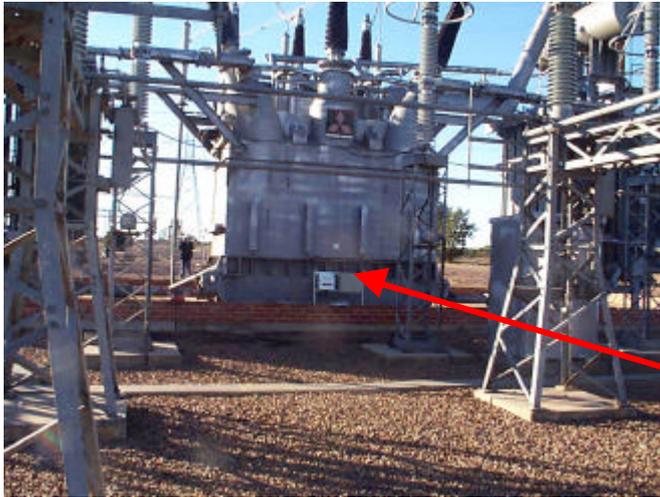
An employee received an electrical shock when working a 275/66kV 225 MVA transformer control unit. The employee was wiring additional monitoring equipment, which required a 240volt supply. This voltage supply was to be obtained from the transformer auxiliary 240volt control voltage.

The control fuse that supplies electricity to the monitoring equipment had been removed. This work method was interrupted by another task and upon return, the employee proceeded to work on the specific circuit, which had not been proven dead.

Extent of injury/damage: -

Employee received an electrical shock and superficial electric burns to the right hand. The employee was treated at the Industrial Clinic and resumed normal duties.

Additional comments: - Photo 1 – 275/66kV 225 MVA transformer control unit.



An examination of the wiring has revealed that the sub-circuit, which was to be used to power the monitoring equipment, was incorrectly wired from the active side of the fuse, i.e. the fuse was effectively short-circuited.

Corrective action: -

- Current work method has been reviewed.
- Secondary isolation sheet has been developed and implemented as part of the work method.

FURTHER INFORMATION – CONTACT: -

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