

**SAFETY ALERT**

FRM-71500011

Department: Concentrator

Location: Control Room

Incident Date: Tuesday 6<sup>th</sup> October 2015

Incident Time: 23:58

Incident Number: INC - 0142472

Safety Alert Title: Minor electric shock

Fatal Hazard: 6. Electrical Safety

For "Other" describe:

**Brief Description**

The incident was resultant from damage to an electric watercooler power cable that had been pinned by the footings of an adjacent metallic storage locker. Contact between locker footings and power cables had ruptured the outer protective PVC sheath on the electrical lead. Whilst the employee has moved into position to take a drink from the water, the employee has made contact with the earthed metallic frame of the watercooler and has also made contact with metallic storage locker (energised from the power cable). This has established an electrical circuit resulting in a minor shock.



Electrical lead was positioned under the metallic locker



**Key Learnings**

- Hidden hazards develop in the work environment and housekeeping is a critical tool to ensure all areas of the operation (office areas included) can be visually inspected for potential hazards.
- Installation of electrical equipment must consider the work area and the potential to create hazards.
- An alternate installation method for the power cable may have prevented damage to the cable.
- Audit of systems and processes are critical to ensure the integrity of any system.

**Corrective and Preventative Actions**

1. Reinstall the water cooler with the electrical lead off the ground and not creating any hazards.
2. Conduct a housekeeping audit within the control tower, and ensure all unwanted items are discarded.
3. Create a Safety Alert for the incident and send to all sites.
4. Conduct an inspection of other appliances in the control room for due dates on the test tags, if any items are identified tag out of service.
5. Conduct an audit of the housekeeping inspection checklist for compliance.
6. Procure electric shock investigation test kit & deliver training to relevant electrical personnel.
7. Review test and tag system (including procedure) to ensure effectiveness.
8. Develop a formal process to audit compliance of the test and tag process.

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Status: APPROVED

Rev No.: 4.0

Issue Date: 28/04/2015

Page 1 of 2