

Type of Incident	Personal Injury - Medical treatment
Key Issues	The size of the screen installed to the hopper is too large to prevent oversize materials contained in the shotcrete mix.
INX Incident No	128781
Date & Time	Tuesday, 25 th July 2023, 3:00PM
Location	KM135 – Road realignment and culvert installation project site.
Injury	Superficial laceration to forehead.



DESCRIPTION

On the 15th of July, 2023 at approximately 1500hours; IP was conducting a task that required the application of shotcrete for slope stabilisation at km135 culvert installation and road realignment project.

When applying the shotcrete from the third agitator truck the IP felt that a blockage within the shotcrete supply hose and reduced the air supply by the manual valve and communicated via hand signals to the boom truck operator of the issue. Whilst the IP was communicating the blockage released through the hose resulting in an uncontrolled movement of the hose.

As a result of the hose movement, the IP lost his grip and the hose came into contact with his hard hat resulting in a laceration to the IP's forehead.

IP was transported to Tabubil hospital for medical assessment and treatment.

IP later released from the hospital and deemed fit to resume full duty.

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LESSONS

- Ensure screening on hopper are screen to size preventing large material during shotcrete mix.
- Ensure Batching of materials suit specifications
- Ensure planning and outsourcing of resources are fit for purpose equipment's are readily and available onsite.

ACTIONS

- Review work process to ensure screened sand used for shotcrete works are fit for use ensuring all oversize and foreign material are remove prior use.
- Fabricate suitable size screen for hopper on boom truck that can be utilised when conducting boom truck operations.
- Review and update shotcrete procedure to include minimum psi requirement when conducting shotcrete activities.

Hendrick Min

Acting General Manager - Engineering Infrastructure & Projects

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