



Potential Fatal Event: Dozer Operator Slid Into Feeder



Preliminary Incident Details

Operation	Morenci
Date / Time	January 16, 2023 / 6:43 AM
Type	Property Damage
Summary	A dozer operator was pushing material into the feeder on the mill stockpile when the dozer slid into it. The operator radioed dispatch to stop the feeder but was not able to make positive communication. The operator proceeded to self-extricate from the dozer and moved to a safe area. A full investigation is underway.
Fatal Risk	Crushing & Entanglement
Risk Category	Actionable
Pre / Post Rating	Significant (3) Likely (3)
Preliminary Findings / Missing Controls	<ul style="list-style-type: none">• Failure to make positive communication• Failure to follow dozer operating procedure for pushing in stockpile area• Failure to stay outside geofencing boundary
Applicable Policies / Procedures	Morenci Safe Operating - Pushing in the Mill Intermediate Ore Stockpile (IOS)
Employee Condition	No injury
Contact	Rassie Ras, Manager-Health and Safety

Photos / Links



Dozer inside feeder



Potential Fatal Event Learnings: Dozer Operator Slid Into Feeder

Causal Factors

Improper dozing techniques were used when pushing to the feeder.

Action Items	Hierarchy of Controls
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- Review/revise stockpile management Standard Operating Procedure, which identifies critical controls, including communication and additional pushing practices, ownership of the area, and communication protocols for geofences.
- Review and approve by Mine, Mill, Crusher and H&S managers (via Management of Change process)

CA-1
Administrative

Global Action Item Proposal: Explore proximity sensors tied to feeder operations.

CA-2
Engineering

Failed Safeguards / Additional Learnings

- Establish/revise clear ownership of communications on/off the pile between dozer operators and control rooms (Metcalf, Morenci, C&C), and explore opportunities to streamline communications to one dispatch.
- Develop formalized task training that includes pushing piles for all stakeholders (Mine, Mill, C&C). One for processing side and one for the mining side.
- Develop a mechanism to reinforce use of critical controls defined in the SOP, i.e., FRM, knowledge check, roadmap (who owns what, who does what, when does it happen).

Fatal Risk Management Insufficient Controls

- Energy Isolation/LOTOTO – INSUFFICIENT**
- Have all energy sources been identified, isolated and de-energized?
- Blocking for Maintenance Work – N/A**
- Guards, Barriers and Barricades – SUFFICIENT**