

PFE LESSONS LEARNED: Feedbox Rollover Onto Contractor



Uncontrolled
Release of Energy

Incident Overview

Morenci, February 6, 2024

A contractor was installing liners on a wet screen feed box that had been placed on the ground for maintenance. As the liners were added, the two-ton box rolled over onto the worker, who was trapped underneath. After unsuccessful attempts to move the box by hand, a forklift was used to free the worker.



Causal Factors

- Contractor used pipe stand to support weight of feedbox.

Site Specific Actions



- **Engineering control** – Engineer a stand to secure feedboxes when liners are being changed outside of wet screen. Immediately eliminate the practice of changing liners outside of wet screen until new stand is fabricated.



- **Administrative control** – Create SOP for task that includes the following safety guidelines:
 - Only use engineered stand
 - Use cement slab in yard for level, stable ground
 - Ensure stand placement adequately and evenly supports feedbox weight



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Contractors

- Set clear safety expectations for work execution with employees.
- Commit to a having clear safety plan and monitoring system to help ensure safety controls for routine work are clearly identified and additional rigor is in place for non-routine work.
- Audit the system to correct gaps and reinforce the process.



Freeport Leadership

- Incorporate contractors into your planning process.
- Review and audit work identified through planning.
- Ensure contractor's safety plan meets current safety expectations.
- Drive ownership with your team – we are responsible for contractors working in our areas.
- Frontline Supervisors, Sr. Supervisors, Superintendents, Managers: When walking department and work areas, evaluate tasks where cribbing is used to help ensure the equipment is adequate.



All of Us

- Evaluate all equipment and tasks requiring cribbing for potential crushing hazards, not just those associated with liners or feedboxes. Verify appropriate cribbing is used for each task.
- Support the planning and safety processes intended to help us execute safe work.
- Audit and reinforce often a clear safety plan and monitoring system to help ensure consistency and sustainability.



Potential Fatal Event: Feed Box Rollover Onto Contract Worker

Preliminary Incident Details

Operation	Morenci
Date / Time	February 6, 2024 / 12pm
Type	Injury
Summary	A contractor was installing liners on a wet screen feed box that had been placed on the ground for maintenance. As the liners were added, the two-ton box rolled over onto the worker, who was trapped underneath. After unsuccessful attempts to move the box by hand, a forklift was used to free the worker.
Fatal Risk	Uncontrolled Release of Energy
Risk Category	Actionable
Risk Rating	Significant (3) Likely (3)
Findings / Missing Controls	<p>Blocking for maintenance work and energy isolation</p> <ul style="list-style-type: none">• Inadequate risk assessment• Pipe stands were BO and not intended for this use• Pipe stands were used instead of cribbing or engineered cradle• Placement of the stand cradle was not secure to the feed box• Ground was not level/potentially soft
Applicable Policies / Procedures	Control of Hazardous Energy
Employee Condition	Minor injuries resulting in restricted duty
Contact	Chris Seick, Metcalf Mill Manager Jacob Sweet, Health and Safety Manager

Photos / Links



Position of employee, placement of pipe stands and direction the feed box tipped.