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WELCOME!

Contractor Safety Meeting
November 14, 2023

FCX
LISTED
NYSE



ICMM
Member



Morenci Mine

FREEPORT
FOREMOST IN COPPER

fcx.com

Agenda

- Safety Share
- Environmental Share
- Safety Stats
- PFEs, Incidents, and Alerts
- Safety Topics
 - Brahma FLARE Cards
 - Hamilton/PVB Safety Incident
 - JRAs
- Site Updates / Training / GSC

Safety Share



Environmental Share

Stormwater Management

- **Stormwater runoff** is managed through administrative & physical controls to ensure that all discharging surface water is authorized per Morenci's Stormwater Plan and **will not** cause or contribute to an exceedance of applicable water quality standards.
- ALL stormwater that is **impacted** is contained within Morenci's Hydrologic Boundary (Zero Discharge Boundary)

Things to look out for in the field:

❖ **Erosion and sediment controls**

- Gabion baskets, wattles, riprap, basins, water bars, etc.

❖ **Road Placement/Blading**

- Roads can impact stormwater flow
- Be mindful of low points & sloping

★ Notify Environmental Services if you plan to disturb any controls or are beginning any land disturbing activities near the perimeters of the property.



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Safety Stats

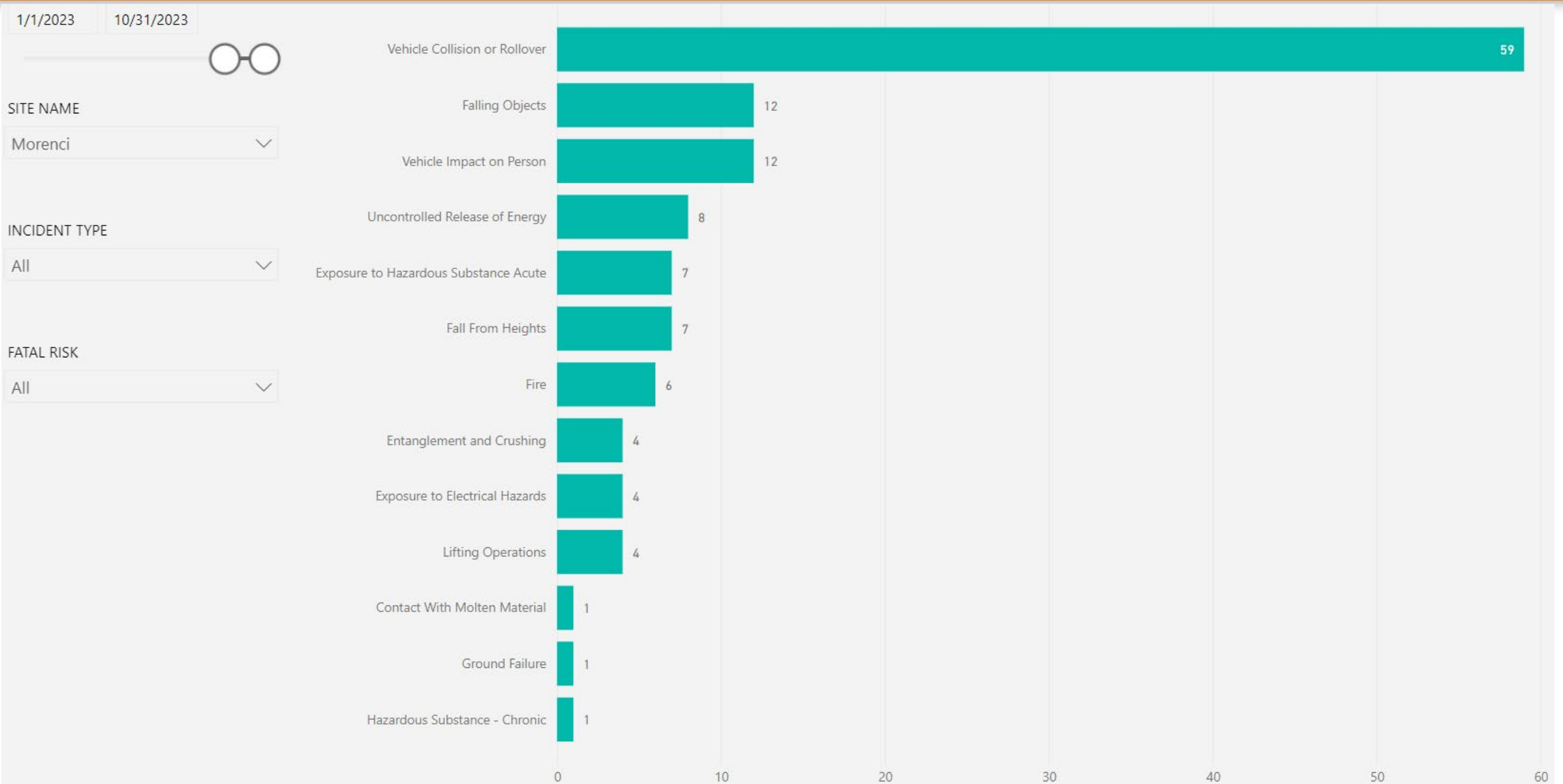
Safety Stats



Morenci Contractor Reportables

Incident Date	Incident Type	Incident Full Description	Incident Responsible Department	Incident Risk Level
10/03/2023	First Aid	Employee working in cell 7, pulling mantos felt pain in lower back. Because of pain he couldnt stand and went to his knees stopped work.	Processing>Hydrometalurgical>Leaching Dumps	Low
10/02/2023	First Aid	Helper was sitting on tailgate of truck, got off the tailgate when the semi arrived. When he stepped off, he stepped into a small "dip" (hole left from a small rock in the ground). This caused him to twist his ankle. He stopped to see if he could walk on it, he could. The helper continued working the rest of his shift. He did not report this incident to the driller or supervisor at the time of the incident. He did contact the supervisor around 8:00 pm that evening.	Mine>Mine Technical>Mine Engineering and Geology	Low
10/04/2023	First Aid	Mechanics were called to look at the 45 shovel because the air compressor was having issue. A Contractor was standing by the air compressor watching the air build up and that's when a compressor line came loose, and oil was sprayed on the mechanics face he immediately started flushing his eyes with water till the EMT'S showed up.	Mine>Mine Maintenance>Mine Maintenance	Low
10/10/2023	First Aid	Contractor was working on Ball Mill Crane. He was climbing the ladder that leads up to crane, when he hit a protruding bolt with his right knee.	Administration>Administration>Global Supply	Low
10/11/2023	Medical Treatment	A driller's assistant was performing his duties and reported that something went into his eye at sometime during the shift. He tried washing it out but it remained lodged in his eye.	Administration>Administration Technical>Plant Engineering	Low
10/16/2023	First Aid	At approximately 09:05 a contract employee reported they had slipped and hurt their knee when removing handrail on the P-10 tail to clear out the dirt underneath	Processing>Crush & Convey Operations Crushed Leach>Crush and Convey MFL	Low
10/26/2023	First Aid	Employee was putting up gantry and forgot to lock gantry lock. The gantry swung back and made contact with employee's right forearm.	Administration>Administration>Global Supply	Low

YTD Incidents by Fatal Risk



Related Fatal Risk Management Audits

7

Forms with Missing Controls

13

Total Missing Controls

110

Total Verifications

93.6%

Passing Verifications

Fatal Risk	No
Fall from Heights	28
Vehicle Impact on Person	21
Confined Space	16
Entanglement and Crushing	14
Falling Objects	14
Vehicle Collision or Rollover	13
Lifting Operations	12
Hazardous Substance - Acute	8
Hazardous Substance - Chronic	8
Ground Failure	5
Uncontrolled Release of Energy	5
Fire	4

Questions	No
Are roads maintained in good condition?	5
Are the roads I intend to use safe for travel in current and expected weather conditions?	3
Are the segregation controls suitable for the hazards (e.g. barriers, barricades, road dividers)?	2
Am I following and adhering to signage and demarcation rules?	1
Are all positive communication protocols being followed (e.g. Passing, Distance Rule)?	1
Are chute controls in a position so team is safe at all times?	1

Submitter w/ Comments	#
<div style="background-color: #333; color: white; padding: 5px;"> Kenneth Herrera An intersection was in need of maintenance. There are haulage routes in the area and road conditions show that heavy equipment is pulling over to allow room for on-coming traffic. This is causing the road and the berm to merge and leave a sloped shoulder. A vac truck was traveling in this intersection at the time of this audit and was seen to lean to one side as passed through. a call was made to get this road condition fixed and the hazard was immediately mitigated. </div>	1

Total Missing Controls

Month	Value
Jan 2023	2
Feb 2023	1
Mar 2023	3
Apr 2023	5
May 2023	3
Jun 2023	2

Total FRM Verifications

Month	Value
Jan 2023	19
Feb 2023	16
Mar 2023	14
Apr 2023	13
May 2023	17
Jun 2023	17
Jul 2023	14

% Passing Verifications

Month	Value
Jan 2023	94.7%
Feb 2023	93.8%
Mar 2023	85.7%
Apr 2023	84.6%
May 2023	100.0%
Jun 2023	94.1%
Jul 2023	100.0%

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**Freeport PFEs, High-
Risk Incidents, & Alerts**

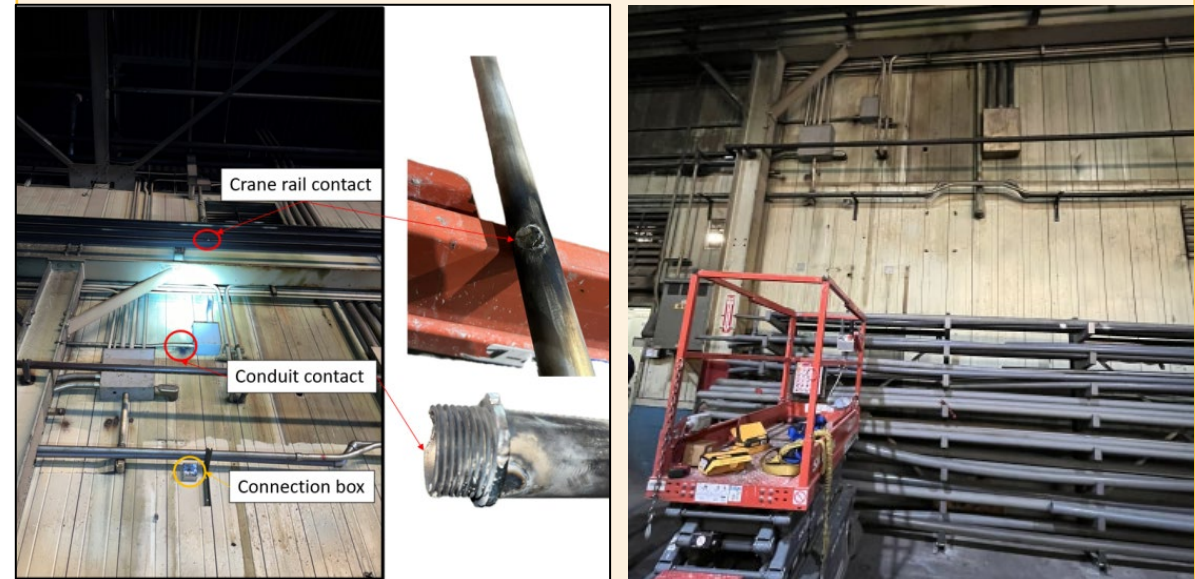


Potential Fatal Event: Contact with Live Power Line

Preliminary Incident Details

Operation	El Paso Rod Mill
Date / Time	October 3, 2023 / 3 p.m.
Type	Near Miss
Summary	Electrical contractors installing communication line conduit inside of a motor control center got ahead of schedule and began installing the conduit on the wall outside of the MCC near an overhead crane rail. Unaware the crane was energized, one of the workers contacted the rail's 480-volt power line, causing a short and arc to ground. No injuries were sustained, and power to the overhead crane tripped off.
Fatal Risk	Exposure to Electrical Hazard
Risk Category	Monitor
Pre / Post Rating	Significant (3) Possible (2)
Findings / Missing Controls	<ul style="list-style-type: none">Contractors proceeded with work in an area outside the original scope of work and did not lockout, assuming the crane rail was de-energized.
Applicable Policies / Procedures	<ul style="list-style-type: none">FCX – HS04 Control of Hazardous Energy/Job Risk Assessment
Employee Condition	No injuries
Contact	Alejandro Valadez, Rod Mill Manager

Photos / Links



Overhead crane rail and wall

- Contractors were installing conduit using scissor lift



- Conduit that contacted the 480v line

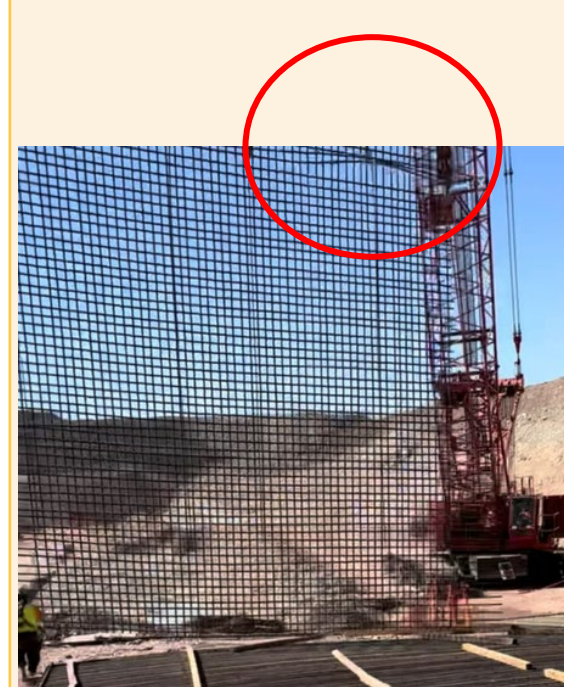


Potential Fatal Event: Falling Rebar Mat

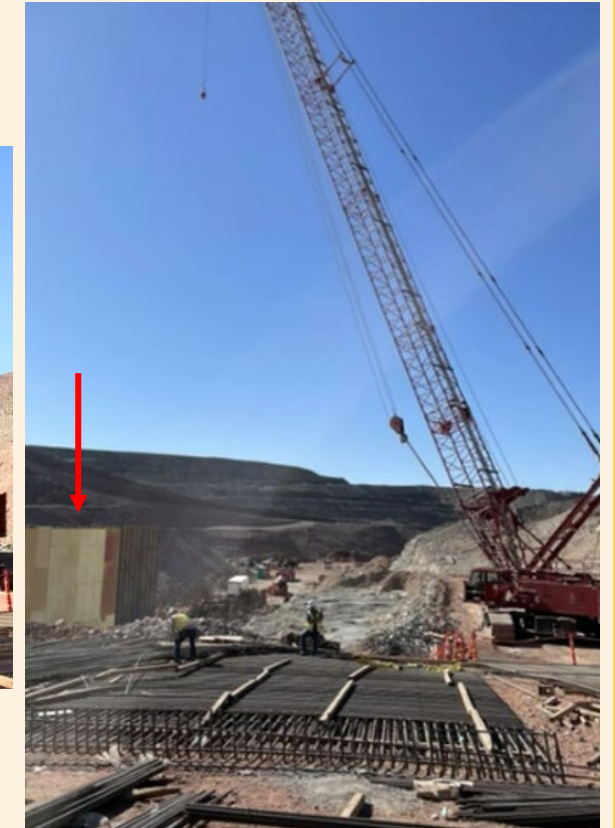
Preliminary Incident Details

Operation	Safford
Date / Time	October 16, 2023 / 1:45 p.m.
Type	Lost-Time Injury
Summary	A contractor crew was preparing to lift a rebar mat into place to form a reclaim chamber wall at the fine ore stockpile construction site. The mat was 36 feet tall (66 rebar sticks) by 35 feet wide (57 rebar sticks). Upon reaching the vertical position, the rebar ties towards the top began to fail, causing the rebar to fall to the ground. Two individuals were in the area manning taglines. One of them ran away unharmed while the other (foreman) was struck by falling rebar, resulting in a broken right elbow and dislocated left wrist.
Fatal Risk	Falling Objects
Risk Category	Actionable
Pre / Post Rating	Significant (3) Likely (3)
Findings / Missing Controls	<ul style="list-style-type: none">• Insufficient rebar ties• Inadequate rigging
Applicable Policies / Procedures	<ul style="list-style-type: none">• Rigging/Signaling• Strength calculations for load prior to lift
Employee Condition	Immediately after event, employee was transported to the local emergency room for CT scans (negative), then air-lifted for surgery on right elbow. Employee is in stable condition and recovering.
Contact	Drew Borcharding, Manager-Health and Safety

Photos / Links



Circled in red is the area where the rebar ties first began to fail.



- *The incident area after the rebar mat fell. The arrow at left points to the location of the chamber wall where the rebar mat was to be placed.*



Potential Fatal Event: Fall Through an Open Hole

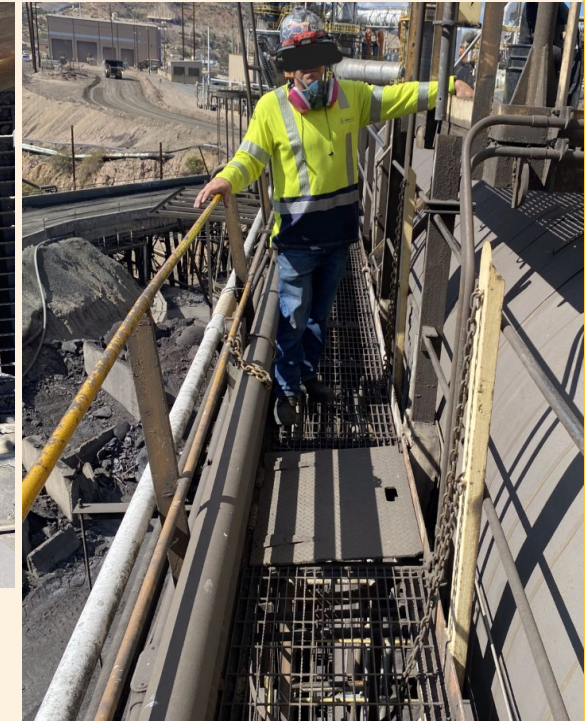
Preliminary Incident Details

Operation	Miami Smelter
Date / Time	October 25, 2023 / 11:30 a.m.
Type	Injury
Summary	<p>A contractor worker carrying a junction box with both hands in front was following a fellow worker on a catwalk. A hatch door was open in the catwalk to provide access to a lower platform. The first worker stepped over the open hatch. The second worker, who was carrying the junction box, could not see the open hatch. Without warning, the worker fell through and dropped approximately nine feet before hitting the platform below, sustaining minor injuries.</p>
Fatal Risk	Fall From Heights
Risk Category	Monitor
Pre / Post Rating	Significant (3) Possible (2)
Findings / Missing Controls	<ul style="list-style-type: none">• Chain guards not used• Hard barricade and flagging not used• Failure to initiate correct action to close hatch door before proceeding
Applicable Policies / Procedures	<ul style="list-style-type: none">• FCX-HS02 Working at Heights
Employee Condition	<ul style="list-style-type: none">• Worker sustained abrasions and contusions along left arm and leg. Released to full duty after evaluation at the local emergency room.
Contact	Cameron Coon, Senior Supervisor-Health and Safety

Photos / Links



- *The open hatch the worker fell through and platform below (looking top down).*



- *An example of how the catwalk with hatch and chains are to be used when the hatch is open.*



High Risk Event: D-Ring Failure

Incident Details

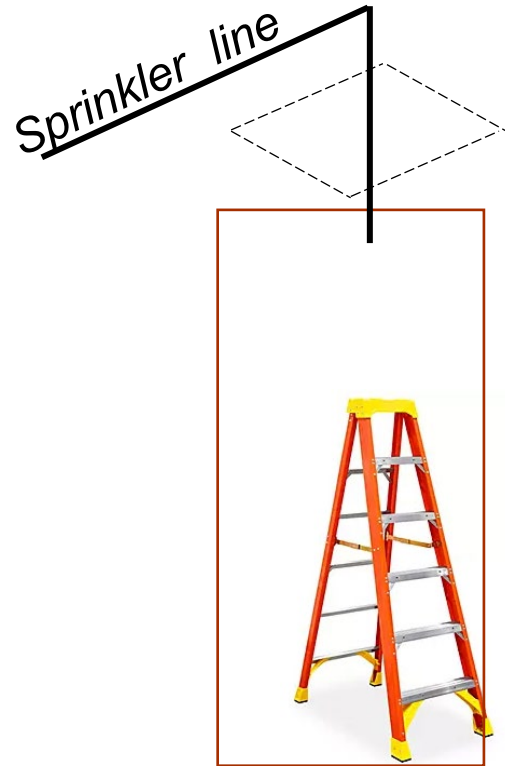
Operation	Morenci
Date / Time	September 29, 2023 / 10:30 p.m.
Type	Near Miss
Summary	While rigging up the cable to the D-rings on the back of the FL090A Forklift for a track change, the operators put tension to the track for installation of the track and the D-ring on the right side of the forklift failed, causing the ring to break and be projected across the shop area striking a toolbox in its path.
Fatal Risk	Uncontrolled Release of Energy
Risk Category	Monitor
Pre / Post Rating	Significant (3) Possible (2) NOT A PFE
Absent / Insufficient Controls	<ul style="list-style-type: none">The wire rope sling was connected to the forklift D-ring that is not designed for pulling or lifting.
Applicable Policies / Procedures	<ul style="list-style-type: none">SOP – Changing a Bulldozer Track
Employee Condition	No Injury
Contact	Joseph Rodriquez, Superintendent Mine Maintenance

Photos / Links



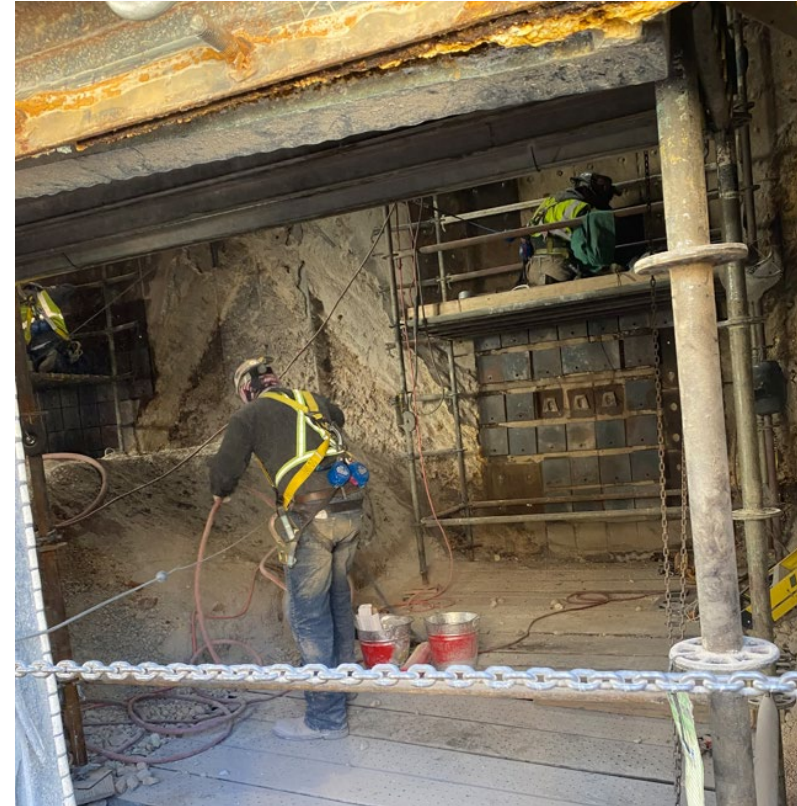
Recent Events

Townsite ladder issue



Tie off
Climbing off top rung

Liner event at Metcalf Mill Shutdown



Working off a ladder removing liners, an adjacent liner displaced of wall and fell below decking through a gap

MSHA Safety Alert – Machinery Related Fatalities

Ten Machinery Fatal Accidents

Ten machinery accidents occurred. These fatal accidents involved three bulldozers, a haul truck tire's locking ring that dislodged and struck a miner, and the side plate of a shaker screen that fell during disassembly and struck a miner. It also includes two truck drivers who were fatally struck, and three miners who were struck while equipment lifts were being performed.



(Left to Right) Shaker screen disassembly. Bulldozer rolled down an embankment. Locking Ring dislodged from truck wheel. Bulldozer rolled down an embankment.

Best Practices

- Maintain equipment in safe operating condition.
- Examine work areas prior to beginning work and operating heavy equipment.
- Operate equipment on stable ground and away from hazards.
- Maintain control of equipment and stay alert.
- Always wear seatbelts: remain inside the cab; never attempt to jump clear; consider the use of four-point seat belt systems and new technology that provides early warning of tipping.
- Provide adequate means to prevent locking rings (rims) from creating a hazard. Use tire cages and deflate tires before conducting repairs.
- Train miners to safely perform task.

Report accidents and hazardous conditions: 1-800-746-1553

msha.gov | askmsha@dol.gov | [@MSHA_DOL](https://twitter.com/MSHA_DOL)

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Safety Updates

Job Risk Assessment -Front Page

FREEMPORT-McMORAN		Job Risk Assessment		Date:	Shift:
Identify & evaluate job risks, exposure, hazards & potential energy, then mitigate them through the hierarchy of control. Complete this form at the job site with all involved employees. If conditions change, STOP work & review with all involved.					
Equipment #:		Work Area:			
Job Description:					
WO #:					
Routine <input type="checkbox"/> Non-Routine <input type="checkbox"/>		Is there an SOP for the job? Yes <input type="checkbox"/> No <input type="checkbox"/>		Was the SOP reviewed? Yes <input type="checkbox"/> No <input type="checkbox"/>	
Fatal Risk Management <small>Circle those that apply</small>					
	Blasting		Confined Space		Contact with Electricity
	Entanglement and Crushing		Hazardous Substance - Acute		Hazardous Substance - Chronic
	Falling Objects		Fire		Ground Failure
	Rail Collision		Rail Impact on Person		Uncontrolled release of Energy
	Vehicle Impact on Persons		Drowning		Fall from Heights
			Lifting Operations		Vehicle Collision or Rollover
Additional Hazard Identification <small>Only mark those that apply</small>					
Work Environment			Energy Sources		
Are there any elements or conditions in the work environment that could injure you or others?			Have all potential energy sources that may injure you or others been identified?		
<input type="checkbox"/> Illumination / Visibility	<input type="checkbox"/> Engulfment	<input type="checkbox"/> Noise	<input type="checkbox"/> Wildlife / Insects	<input type="checkbox"/> Electricity	<input type="checkbox"/> Radiation
<input type="checkbox"/> Highwalls / Slopes	<input type="checkbox"/> Weather	<input type="checkbox"/> Water	<input type="checkbox"/> Dust	<input type="checkbox"/> Hydraulic	<input type="checkbox"/> Mechanical
<input type="checkbox"/> Atmosphere (H ₂ S, CO ₂ , air, mist etc.)	<input type="checkbox"/> Other: _____	<input type="checkbox"/> Pneumatic / Air	<input type="checkbox"/> Gravity	<input type="checkbox"/> Thermal	<input type="checkbox"/> Stored / Under Pressure
		<input type="checkbox"/> Chemical / Corrosive	<input type="checkbox"/> Explosive	<input type="checkbox"/> Other: _____	
Line of Fire			Personal / Behavior		
Will any proximity to work, movement, release or change in condition cause you or others injury?			What personal conditions, actions or thoughts like complacency, could result in injury to you or others?		
<input type="checkbox"/> Overhead Work	<input type="checkbox"/> Fly Metal	<input type="checkbox"/> Power Lines / Cables	<input type="checkbox"/> Arc Flash / Blast	<input type="checkbox"/> Slips / Trips / Falls	<input type="checkbox"/> Housekeeping
<input type="checkbox"/> Material Handling	<input type="checkbox"/> Objects in Motion	<input type="checkbox"/> Trenching / Excavating	<input type="checkbox"/> Pipe Handling	<input type="checkbox"/> Sprain / Strain	<input type="checkbox"/> Training / Competence
<input type="checkbox"/> Tooling Failure	<input type="checkbox"/> Mobile Equipment	<input type="checkbox"/> Constricted Work Area	<input type="checkbox"/> Congestion / Traffic	<input type="checkbox"/> Ascending / Descending	<input type="checkbox"/> Communication
<input type="checkbox"/> Other: _____		<input type="checkbox"/> Pinch Points: Hand, Body	<input type="checkbox"/> Equipment Interaction	<input type="checkbox"/> Footing / Uneven Ground	<input type="checkbox"/> Fatigue
		<input type="checkbox"/> Ergonomics	<input type="checkbox"/> Hydration	<input type="checkbox"/> Other: _____	

Its not the paper, it's the actions from the assessment process that will keep us safe

Fatal Risk Management Icons

Reference the Fatal Risk Management Operator Reference Guide

This section is intended to identify other risks, hazards, secondary energy sources or conditions that may cause harm or injury

Job Risk Assessment – Back Page

<p>Hierarchy of Control</p> <ul style="list-style-type: none"> <li style="background-color: #00ff00; color: black; text-align: center; padding: 2px;">Elimination <li style="background-color: #90ee90; color: black; text-align: center; padding: 2px;">Substitution <li style="background-color: #ffff00; color: black; text-align: center; padding: 2px;">Engineering <li style="background-color: #ffa500; color: black; text-align: center; padding: 2px;">Administrative <li style="background-color: #ff0000; color: black; text-align: center; padding: 2px;">Behavior <li style="background-color: #ff0000; color: black; text-align: center; padding: 2px;">PPE 	<p>Controls Stop work if controls are insufficient or missing</p>				
<ul style="list-style-type: none"> <input type="checkbox"/> LOTOTO <input type="checkbox"/> Access Control / Barriers <input type="checkbox"/> Flagging / Signage <input type="checkbox"/> Equipment / Tooling Other: _____ 	<ul style="list-style-type: none"> <input type="checkbox"/> Vehicle Safety Devices <input type="checkbox"/> Rest / Breaks <input type="checkbox"/> Process / SOP <input type="checkbox"/> Spotter / Signal Person <input type="checkbox"/> Fire Watch / Attendant <input type="checkbox"/> Blocking / Isolation <input type="checkbox"/> Fire Suppression System <input type="checkbox"/> Lights / Signals Other: _____ <p style="font-size: small;">*If a control causes more of a hazard, apply for a variance</p>				
<p>Permits / Forms Proper execution of a permit is the control, not the paper</p>					
<ul style="list-style-type: none"> <input type="checkbox"/> Hot Work <input type="checkbox"/> Blue Stake Other: _____ 					
<p>Behavior Individual willingness & focus on safety</p>					
<ul style="list-style-type: none"> <input type="checkbox"/> Inspect Equipment/ Tools <input type="checkbox"/> Work Place Examination Other: _____ 					
<p>PPE Beyond minimum required</p>					
<ul style="list-style-type: none"> <input type="checkbox"/> Fall Protection <input type="checkbox"/> Arc Flash Clothing <input type="checkbox"/> Welding Gear <input type="checkbox"/> Flotation Device Other: _____ 					
<ul style="list-style-type: none"> <input type="checkbox"/> Skin Protection: Bugs, Sun <input type="checkbox"/> Face Shields / Goggles <input type="checkbox"/> Respirator / Supplied Air <input type="checkbox"/> Clothing for Weather <input type="checkbox"/> Rubber Suits: Acid, Rain, Boots, etc. <input type="checkbox"/> Monitor: Gas, Chemical, Radiation, etc. <input type="checkbox"/> Hearing Protection: Plugs, Double Gloves Suitable for Job: Leather, Rubber, Kevlar etc. 					
<p>Fatal Risk Hazards List the main fatal risks / hazards</p>					
<p>_____</p> <p>_____</p> <p>_____</p>					
<p>Critical Controls : List the main control for the hazard</p>					
<p>_____</p> <p>_____</p> <p>_____</p>					
<p>Main Lockout Points/ Station/ Box</p>	<p>In case of Emergency</p>				
<p>1. _____</p> <p>2. _____</p> <p>3. _____</p> <p>4. _____</p> <p>5. _____</p>	<p>Phone: dial 865-6600</p> <p>Radio: press the ORANGE button or call out "May Day, May Day, May Day"</p> <p>Evacuation point: _____</p> <ul style="list-style-type: none"> <input type="checkbox"/> Fire extinguisher inspected & in area <input type="checkbox"/> Shower / eye wash station in area <p>Spill Hotline: 865-SPIL (7745)</p>				
<p>Acknowledgement & Commitment to Safety</p>					
<p>I am responsible for my safety & my coworkers safety. I am obligated to stop unsafe work & I will stop unsafe work.</p>					
Payroll #	(& Contractor Company)	Initials	Payroll #	(& Contractor Company)	Initials
Job Lead Name: _____		Payroll #: _____		Date: _____	
Supervisor: _____		Contact Info: _____		Time: _____	

Back of Form is for identification of controls

How to integrate BEHAVIORS into process?

Transfer fatal risks identified and list critical controls identified on front page

What are gaps you have seen in review of risk assessments in your company?

How do you gauge a quality risk assessment?

The Form: Checking for quality.....

1. Writing is legible and information is accurate: Date, Area, Supervisor
2. “Job Description” is clearly understood
3. Permits listed match the task and are available to audit
4. Critical controls and hazards are listed and match task
5. It has been reviewed by team
6. Controls verified in place
7. Crew can explain hazards and controls
8. JRA demonstrates effective thought process



Brahma Share

FLARE: Field Level Assessment of Risk in the Environment

ONE-ON-ONE SAFETY TALK

Have your reviewer initial below:

Initials: _____ Time: _____

Location: _____

Why am I safe today?

Observations / Corrections:

The Safety topic is:

Print Name: _____



As a valued employee of Brahma, you are required to comply with our Customer's Safety Rules and Brahma's Code of Safe Practices.

You have the **RESPONSIBILITY** and **OBLIGATION** to stop any work that does not comply with these safety rules. There will be **NO REPERCUSSIONS**. This is our commitment to you.

M. Anthony Curtis, CEO
801-521-5200



BRAHMA GROUP, INC.

SAFETY FIRST
IT'S UP TO ME

Emergency phone number:

Project description:

Date:

FIELD LEVEL ASSESSMENT OF RISK IN THE ENVIRONMENT

<u>Tasks</u> - What am I doing?	Recognize the Hazards - What could go wrong?	Eliminate / Control
List the immediate tasks you will do on this job. _____ _____ _____ _____ _____ _____ _____ _____ _____ _____	Be specific, how could this affect you and/or the environment? _____ _____ _____ _____ _____ _____ _____ _____ _____ _____	List how you can eliminate and/or control the hazards in your work area. _____ _____ _____ _____ _____ _____ _____ _____ _____ _____
Are you fit for duty and ready to work today? <input type="checkbox"/> Yes <input type="checkbox"/> No If you answered no, then please talk to your supervisor.	Whose FLARE card did you look at yesterday? _____	Who is your work partner today? _____

Training Department- Contractors

- Contractors will be responsible for their own training.
- FMI will not be supplying books to every contractor group on property. That adds extreme costs to FMI Training department. Contractors will need to print out FMI provided PowerPoint for the training if they choose and handout training material to their workforce.
- Once contractors have people selected who will perform training, the training department can set up a session with our compliance group. FMI can mentor training classes with contractors and help them understand the training. The intent is to ensure good understanding of content and how we present it ourselves.

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GSC/Training/Security Updates

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Thank you, thank you
very much!

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