

FCX Monthly Safety Content

The following slides have been provided to aid in compiling content for monthly Health & Safety meetings, tailgates, etc. with FCX employees and contractors.

- Please keep in mind - some of this information is preliminary and may be pending complete investigations.

Best Practices

- Be familiar with content prior to presenting
- Hide/Unhide incidents that are relevant to your team
- Interact with your audience, relating information to your specific work
- Update dashboards to share meaningful data ([Incident Summary - Power BI](#), [FRM - Power BI](#)). Contact your local H&S staff for site-specific dashboards or external access.

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FCX Safety Updates

February 2024

(Incidents and Communications from January 2024)

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FCX Safety Incidents, Successes, & Alerts

January 2024

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Actionable Event: Atlantic Copper – Overhead Filter Presses

Incident Details

Operation	Atlantic Copper
Date / Time	January 4, 2024 / 12:43 p.m.
Type	Injury
Summary	<p>When an operator was carrying out the cake discharger operation from the overhead filter presses, he detected a failure in the plate system.</p> <p>While looking for possible causes, the employee tried to check the pulley of the plate transport system. During the inspection, he tripped and rested his right hand between the pulley and cable of the transport system, which trapped his fingers, resulting in amputation of the 2nd and 3rd fingers on his right hand.</p>
Fatal Risk	Entanglement and Crushing
Risk Category	Actionable
Pre / Post Rating	Significant (3), Likely (3)
Absent / Insufficient Controls	Engineering Controls: Moving Machinery not guarded
Applicable Policies / Procedures	Control of Hazardous Energy Sources (LOTOTO)
Employee Condition	Amputation of 2 nd and 3 rd fingers on employee's right hand
Contact	Ignacio Romero Martin, H&S Manager

Photos / Links





Actionable Event: Miami Smelter – Slag Launder

Incident Details	
Operation	Miami Smelter
Date / Time	January 14, 2024 / 12:43 p.m.
Type	Near Miss
Summary	Smelter Operator Trainee gave clearance to the slag hauler operator to set the pot in place to receive slag from the east slag launder. Without confirming that the pot was in place, the operator opened the launder and it spilled on the ground and slag hauler. The slag hauler operator quickly moved the hauler and pot away from the pouring slag. No damage to the hauler was reported.
Fatal Risk	Contact with Molten Material
Risk Category	Actionable
Pre / Post Rating	Significant (3), Likely (3)
Absent / Insufficient Controls	Communication between slag skimmer and hauler operator Visual verification
Applicable Policies / Procedures	Slag Skimming SOP Communication expectations
Employee Condition	No injuries
Contact	Justin Taylor, H&S Manager



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PFE Events

January 2024

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Potential Fatal Event: Drill Rig Cable Failed



Preliminary Incident Details	
Operation	Whitlock Valley Test Well-Land and Water
Date / Time	December 28, 2023 / 6:10 a.m.
Type	Near Miss
Summary	A contractor had successfully completed the drilling and construction of one of three test production wells southeast of Safford and was installing a gravel filter pack using a 3-inch tremie pipe. Throughout the process, there was clogging in the pipe. The contractor lifted the pipe with a crane to clear debris when the main cable snapped, causing a 100-pound steel ball to fall approximately 12 feet to the drilling platform below, where a driller and helper had been working moments earlier.
Fatal Risk	Falling Objects
Risk Category	Medium
Risk Rating	Significant (3), Possible (2)
Findings / Missing Controls	<ul style="list-style-type: none">• Flagging and Barricading• Equipment Inspections• Manufacturer Specifications for Replacement
Applicable Policies / Procedures	<ul style="list-style-type: none">• Flagging and Barricading• Drill Rig Pre-use Inspections
Employee Condition	N/A
Contact	Michael Lacey, Manager-Hydrogeology. Bill Schneider, Health & Safety Manager

Photos / Links	
	<p><i>The drill rig cables used during the pipe installation process.</i></p>
	<p><i>Circled in red is the 100-pound steel ball that fell 13 feet to the drilling platform where two contractor employees had been working.</i></p>



Potential Fatal Event: Employee Struck By Forklift

Preliminary Incident Details

Operation	Miami Smelter
Date / Time	December 30, 2023 / 3:30 p.m.
Type	Injury
Summary	An employee stepped from behind a converter into an aisle and was struck by a forklift. The employee was knocked to the ground.
Fatal Risk	Vehicle Impact on Person
Risk Category	Monitor
Pre / Post Rating	Significant (3) Possible (3)
Findings / Missing Controls	<ul style="list-style-type: none">• Forklift operator did not sound horn when traveling past openings in structure• Pedestrian did not yield when entering roadway• Operating speed
Applicable Policies / Procedures	<ul style="list-style-type: none">• Equipment Interaction SOPs
Employee Condition	<ul style="list-style-type: none">• First aid – Released back to work on full duty
Contact	Louie Barreras, Senior Supervisor-Health and Safety / Michael Cross, Manager – Downstream Ops

Photos / Links



The red X marks where the forklift struck the employee.



Potential Fatal Event: Slag Poured on Hauler

Preliminary Incident Details

Operation	Miami Smelter
Date / Time	December 31, 2023 / 12:15 p.m.
Type	Injury
Summary	An employee who was opening the slag tap hole requested the slag hauler operator move the pot from the east hole to the west hole. While the hauler operator was picking up the pot from the east hole, the tapper, thinking the pot was already in place, opened the west hole. Molten material flowed out onto the slag hauler. The operator moved the slag hauler forward away from the slag and immediately pulled the pin to activate the fire suppression system, and safely escaped without injury. The slag hauler caught fire and was damaged.
Fatal Risk	Contact With Molten Material
Risk Category	Monitor
Pre / Post Rating	Significant (3) Possible (3)
Findings / Missing Controls	<ul style="list-style-type: none"> • Failure to follow SOP • Lack of communication between operators
Applicable Policies / Procedures	<ul style="list-style-type: none"> • Slag Tapping SOPs
Employee Condition	No Injury
Contact	Louie Barreras, Senior Supervisor-Health and Safety/ Michael Cross, Manager-Downstream Ops

Photos / Links



The slag hauler caught fire after molten material flowed onto it.



Damage to the slag hauler.



Potential Fatal Event: Contact with Energized Cable

Preliminary Incident Details	
Operation	Manyar Smelter Project – Slag Concentrator Substation 2
Date / Time	January 17, 2024 / 10:30 a.m.
Type	Injury
Summary	Contractors were working on the left side of an electrical panel, which had been de-energized. Without testing for current, a worker removed a 400-volt cable from the right side, which remained energized, and contacted another cable, causing a spark.
Fatal Risk	Exposure to Electrical Hazard
Risk Category	Monitor
Risk Rating	Significant (3) Possible (2)
Findings / Missing Controls	<ul style="list-style-type: none">• Failure to isolate energy with LOTOTO procedure• Wrong tool for the job• Inadequate training; worker was not authorized to perform this work
Applicable Policies / Procedures	<ul style="list-style-type: none">• LOTOTO• Isolation/De-Isolation Certification Process• Energy Isolation Survey Form
Employee Condition	Worker sustained minor burns, was evaluated and released back to work.
Contact	Zach Scrivner, Manager-Corporate Project Engineering Safety

Photos / Links

The de-energized portion of the panel (A) and the energized portion (B), which shows damage.

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Agency Shares

January 2024

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OSHA Share – Workplace Stress



Guidance and Tips for Employers

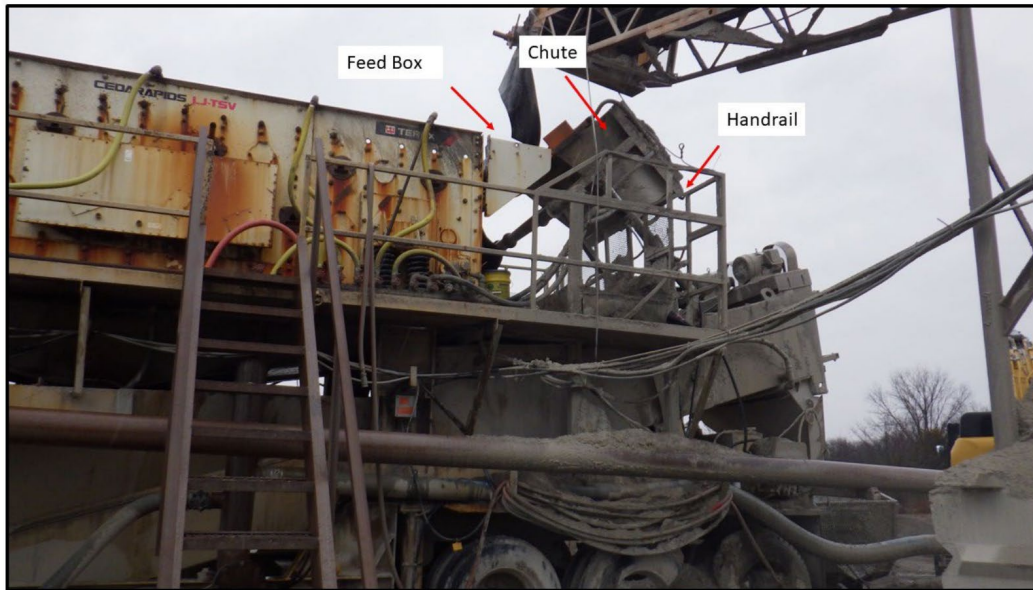
Workplaces can have many stressors. Issues in the workplace can exacerbate the risk of experiencing mental health challenges. Combined, these stressors can make it more difficult for workers to get their tasks done; threaten their productivity, happiness, and well-being; and lead to burnout. Because of the many potential stressors employees may be experiencing, a comprehensive approach is needed to address stressors throughout the community, and employers can be part of the solution. More than 85% of employees surveyed in 2021 by [the American Psychological Association](#) reported that actions from their employer would help their mental health.

- **Be aware** and acknowledge that people can carry an emotional load that is unique to their own circumstances. They may be experiencing heightened levels of loneliness, isolation, uncertainty, grief, and stress; and some may face additional demands, such as parents caring for children or elderly household members; and those with existing mental health or substance use challenges.
- **Identify factors are making it harder for workers to get their jobs done** and determine if adjustments can be made.
- **Show empathy.** Ensure workers that 1) they are not alone, 2) their employer understands the stress they are under, 3) there is no shame in feeling anxious, and 4) asking for help is important. Employers can reassure employees they are open and receptive to discussions about employees' work stress, by creating a safe and trustworthy space.
- **Provide access** to coping and resiliency resources, workplace and leave flexibilities without penalty, or other supportive networks and services. Research from the American Psychological Association suggests 50 % of employees find that a lack of paid time off or sick leave has a negative impact on stress levels at work.

[Resources LINK](#)

MSHA Fatality Alert – Bison No.1

MINE FATALITY – On December 14, 2023, a miner died while preparing to repair flanges on the feed box. In the process of lowering the chute into the maintenance position, the chute pinned the miner between the chute and the handrail.



Best Practices

- Block machinery components against motion before beginning maintenance or repairs and verify miners are in a safe location before moving equipment and components.
- Examine work areas during the shift for hazards that could be created while performing the work.
- When conducting a non-routine task, review safe procedures before starting work and ensure all safety components are in place.
- Do not work under suspended loads.

This is the 39th fatality reported in 2023, and the 15th classified as “Machinery.”

MSHA Fatality Alert – Beck Street

MINE FATALITY – On December 14, 2023, a contractor died while delivering parts to the mine when an all-terrain telehandler pulling cable, tipped over, striking him.



Best Practices

- Do not exceed the load radius and load limits of lifting equipment.
- Ensure miners position themselves in a safe manner while working around equipment.
- Barricade and sign affected areas in case equipment or loads fail or tip.
- Ensure visitors entering the mine receive site specific hazard awareness training.
- Maintain good communication between co-workers.

This is the 40th fatality reported in 2023, and the 16th classified as “Machinery.”