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**Morenci Townsite Contractor  
Safety Meeting**

August 21, 2024

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- Safety Share
  - FMI Leadership Safety Message
- Environmental share
- Contractor Train the Trainer
- Safety Stats
- Safety Alerts

# Safety Message: From Morenci Leadership

As many of you are aware, our 2024 safety performance continues to miss the mark. Our performance throughout 2024 has been unacceptable, injuring **307** employees, **106** of those incidents being reportable. Additionally, we have had **11** incidents that resulted in employees being exposed to fatal energy due to missing controls intended to keep us and our peers safe. This safety performance is a matter of urgent concern that cannot be acceptable to any of us.

As we step into the second month of the third quarter, it's crucial that we acknowledge our disappointment with the July results. Our safety outcomes are not progressing as they should, with several serious injuries, actionable incidents, and an increase in property damages, first aids, and near misses. We need to strive for better results. Most of our incidents indicate consistent gaps in our execution:

- *Failure to follow policies or rules*
- *Deficiencies in safety basics, such as: Effective Workplace Exams, JRAs, or equipment inspections*
- *Lack of follow-up and accountability for safety incidents or deviations from procedure*

How  
We Put  
Safety  
First



**All Employees**

- Report fit for duty
- Take responsibility for my own and others' safety
- Assess risk and eliminate hazards using specified controls
- Follow all standard operating procedures
- Speak up and stop work if it's not safe or unclear
- Promptly act on unsafe conditions

**All Leaders**

- Set clear safety and work expectations
- Ensure certifications/trainings are current for assigned work
- Support, demonstrate and teach safe work practices
- Coach to safety standards and confirm understanding
- Prioritize time in the field and engage in safety conversations
- Listen to employees and follow up on concerns
- Reinforce the expectation to stop work

# Safety Message: From Morenci Leadership



- In addition to problematic safety performance, we had two disappointing MSHA inspections. Morenci received 293 citations in 2024. Most of the citations received are precursors to the injuries seen throughout the year: safe access to work areas, housekeeping, missed hazards, and poor equipment inspections. This is a stark reminder to focus on executing the basics well.
- Despite the challenges we face, we must not lose sight of our core principle: 'Safety First'. This should always be our top priority, even in the face of other pressing concerns.
- We can start by ensuring we are great at the processes we have committed to, such as workplace exams, vehicle inspections, JRAs, and following policies. None of us is immune to responsibility. From an employee's role in completing a workplace exam to a supervisor's role in ensuring adverse conditions are corrected to a superintendent's role in ensuring the process is living and functioning as intended, our safety commitment encompasses all of us. Each of us plays a crucial part in ensuring a safe workplace.
- As we continue to work through these issues, we should not lose sight of the fact that the most important thing we manage is **our safety**. We are all responsible for ensuring that you, your co-workers, contractors, or others are working together towards the same goal: *getting the job done safely*. Morenci is composed of the best people our mining industry has to offer, we will overcome this challenge.

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**FMC**  
**2Q 2024 Americas**  
**Quarterly Meeting**

July 15, 2024

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# H&S “Best at the Basics” Objectives – Morenci



## 25% Reduction in High-Risk Incidents

● On-Track ● Behind ● Blocked

- ❑ **Objective 1:** Each department to create a **monthly** policy review process highlighting the most recent policy changes and rotating through most applicable policies. Leadership to define yearly schedule that includes the following components: policy review, work audit, knowledge check, training, & action

**Measurement:** Safety to validate and support process creation

- ❑ **Objective 2:** Improve FRM participation for each department by 10% prioritizing actionable incidents from previous quarters.

**Measurement:** Use FRM dashboards and H&S % passing comparison between operations as an indication of quality

## Manage TRIR responsibly under target

- ❑ **Objective 1:** 100% safety compliance training by the end of Q4 2024

**Measurement:** 100% visibility through dashboard (Q3 goal)

- ❑ **Objective 2:** Resolve data and system issues preventing the sitewide utilization of EWS for WPEs by the end of Q4 2024 (Q3 scoping and resources)

**Measurement:** Modify process check to validate digital usage by H&S

## 2Q24 Challenges / Accomplishments

- ✓ Morenci Mill B-order vacated
- ✓ 50% reduction in actionable incidents (vs. Q1)
- ✓ New Hire TRIR reduction (3.03 ytd June 2024 vs 4.51 ytd Dec 2023)
- ✓ Above TRIR target due to difficult April
- ✓ Fatigue and distracted driving (haulage)

## 3Q24 Actions

- ❑ Training compliance and governance
- ❑ Dust collection and silica exposure
- ❑ Expand on process checks (Safety Basics)
- ❑ Improve distracted/fatigue events with Haulage new hires

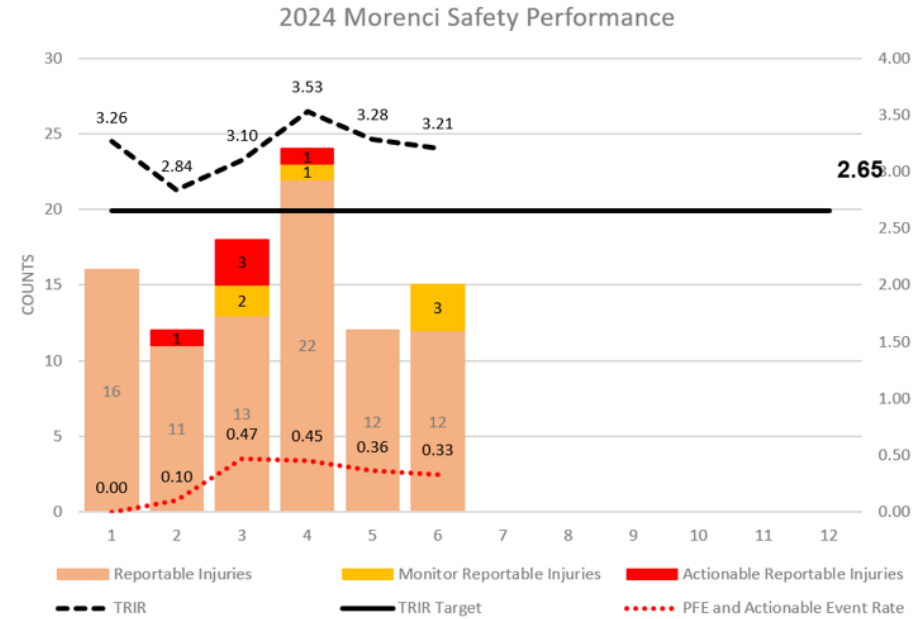
## H&S Performance

0% ●

0% ●

30% ●

30% ●



# Environmental Share – Gasoline Spill Response

## Gasoline Debris as a Waste

- Gasoline contains large amounts of EPA regulated chemicals
- Managed as Hazardous Waste
- Subject to labeling and storage time requirements

### Questions?

Contact Environmental  
at 928-865-6000  
or your Representative

## How to respond to a Gasoline Spill

- Isolate the area and take steps to mitigate the spill if safe to do so.
- Inform your Supervisor
- Notify the Spill Hotline at 928-865-7745 (SPIL)
- Keep your phone nearby as an Environmental Representative will be contacting you shortly.



## Waste Requirements

- Stored in a Closed Container
- The Words “Hazardous Waste” and “Gasoline Spill Debris”
- Label Must Contain EPA Waste Codes D001 (Ignitable) and D018 (Benzene)

**Reps.  
Are  
Resources!**

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## Safety Stats

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# Morenci Town TRIR

**FREEPORT-McMoRAN**

## Total Recordable Incident Rate

Last Refresh:  
8/20/2024 7:31 AM

1  
Near Miss

2  
Property Damage

0  
First Aid

0  
Lost Time

1  
Medical Treatment

0  
Restricted Duty

0  
Fatality

Date

1/1/2023

8/20/2024

**Organization**

- Select all
- Administration
  - Accounting
  - Administration
  - Coffee Shop
  - Community Center
  - Environmental
  - Global Supply
  - Health & Safety
  - Human Resources
  - Library
  - Mercantile Conoco
  - Mercantile Lanes
  - Mercantile Motel
  - MIS
  - Morenci Water & Electric
  - Plant Engineering
  - Security
  - Townsite
  - Training Department
- Mine
  - Fragmentation - Loading/ ...
  - Haulage
  - Mine Maintenance

0.97  
 Total Recordable Incident Rate

1  
 Total Recordables

0.00  
 High Risk Incident Rate

0  
 Total High Risk

### Total Recordable Incident Rate

● MTD TRIR ● 12 Month Rolling Total

TRIR Goal 2024 - 2.65

Year	Month	MTD TRIR	12 Month Rolling Total
2023	Jan	1	~3
2023	Feb	1	~3
2023	Mar	2	~3
2023	Apr	2	~3
2023	May	2	~3
2023	Jun	2	~3
2023	Jul	2	~3
2023	Aug	3	~4
2023	Sep	4	~5
2023	Oct	4	~6
2023	Nov	4	~7
2023	Dec	4	~8
2024	Jan	1	~8
2024	Feb	1	~8
2024	Mar	2	~9
2024	Apr	2	~10
2024	May	2	~11
2024	Jun	3	~12
2024	Jul	3	~13
2024	Aug	3	~14

### High Risk Incident Rate

● Actionable ● Monitor ● 12 Month Actionable Rolling Total

→ Click to Add Monitor   🔁 Reset

Year	Month	Actionable	Monitor	12 Month Actionable Rolling Total
2023	Jan	0	0	~0.45
2023	Feb	0	0	~0.45
2023	Mar	0	0	~0.45
2023	Apr	0	0	~0.45
2023	May	0	0	~0.45
2023	Jun	0	0	~0.45
2023	Jul	0	0	~0.45
2023	Aug	0	0	~0.45
2023	Sep	0	0	~0.45
2023	Oct	0	0	~0.45
2023	Nov	0	0	~0.45
2023	Dec	0	0	~0.45
2024	Jan	0	0	~0.45
2024	Feb	0	0	~0.45
2024	Mar	0	0	~0.45
2024	Apr	0	0	~0.45
2024	May	0	0	~0.45
2024	Jun	0	0	~0.45
2024	Jul	0	0	~0.45
2024	Aug	0	0	~0.45

# Contractor TRIR

**Morenci Contractor TRIR**

Last Refresh:

8/9/2024 2:00:00 PM

2

Near Miss

65

Property Damage

60

First Aid

3

Lost Time

7

Medical Treatme...

14

Restricted Duty

0

Fatality

Date

8/1/2023

7/31/2024

**Contractor Name**

- Select all
- Ace Industries Inc
- Advanced Lining Solutions ...
- AECOM
- American Power LLC
- AMES CONSTRUCTIONS
- Arizona Electrical Apparatus
- B.J. Cecil Trucking Inc.
- Barney Trucking
- Boart Longyear
- Bowman Consulting
- Brahma Group
- Brightview Landscaping
- Burks Valley Sanitation LLC
- Call & Nicholas Inc
- Caltrol
- Canary Systems
- Carrier
- CKC Construction & Materials
- CnR Construction Services
- ...

1.85

TRIR

24

Total Recordables

0.13

High Risk Incident Rate

14

Total High Risk

### Total Recordable Incident Rate

● TRIR ● 12 Month Running Total

Month	TRIR	12 Month Running Total
August 2023	3	2.8
September 2023	4	3.2
October 2023	2	3.0
November 2023	3	2.6
December 2023	4	2.8
January 2024	1	2.4
February 2024	3	2.6
March 2024	4	2.8
April 2024	2	2.4
May 2024	2	2.2
June 2024	2	2.0
July 2024	1	1.85

### Actionable Incident Rate

● Actionable ● Monitor ● 12 Month Running Total

→ Click to Add Monitor 🔴 Reset

Month	Actionable	Monitor	12 Month Running Total
August 2023	0	3	0.18
September 2023	0	4	0.20
October 2023	0	2	0.22
November 2023	0	3	0.24
December 2023	0	4	0.26
January 2024	0	1	0.28
February 2024	0	3	0.30
March 2024	0	4	0.32
April 2024	0	2	0.34
May 2024	0	2	0.35
June 2024	0	2	0.35
July 2024	0	1	0.13



# Contractor TRIR

Morenci All Contractors


Last Reportable Injury	Recordable	Medical Treatment	Restricted Duty	Lost Time	First Aid	Property Damage	Near Miss
7/29/2024	21	78	21	134	5	12	14

Contractor Name	Last Reportable Injury	Recordable	Medical Treatment	Restricted Duty	Lost Time	First Aid	Property Damage	Near Miss
Brightview Landscaping	12/3/2023	260	260	684	1126	361	123	2016
Sollers Construction	12/12/2023	251	336	251	No LT	432	439	1811
Velocity	10/28/2021	1026	1026	No RD	No LT	No FA	No PD	1929
Webster Energy		No REC	No MT	No RD	No LT	No FA	No PD	No NM
<b>Total</b>	<b>12/12/2023</b>	<b>251</b>	<b>260</b>	<b>251</b>	<b>1126</b>	<b>361</b>	<b>123</b>	<b>1811</b>

- Snowflake
- Diamond 5
- Focus Ind.
- Get-A-Grip

[Monthly Safety Hours – TRIR Is on the Morenci Public Portal](#)

# Contractor TRIR



**Morenci Specific Policies & Forms**

Passing Procedures Memo

Pit Driving Map

Mine Area Responsible Map

Lightning Notification Standard

Electrical Cord Inspection


PPE Policy

Conveyor Safety Standard

Townsite Blue Stake Checklist

Townsite Training Checklist

MWE Training Checklist

Monthly Safety Hours - TRIR 

Submit to:  
[MOR-Contractor-TRIR@fmi.com](mailto:MOR-Contractor-TRIR@fmi.com)

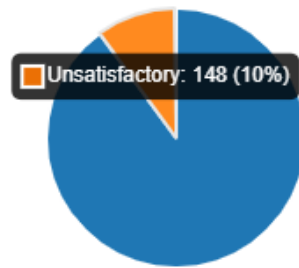
202207	Example Contractor Name	Enter Number	1350	Project Work	Administration	Global Supply				
202207	Example Contractor Name	Enter Number	1350	Project Work	Administration	Plant Engineering				
202207	Example Contractor Name	Enter Number	1350	Project Work	Administration	Environmental				
202207	Example Contractor Name	Enter Number	1350	Project Work	Administration	Training Department				
202207	Example Contractor Name	Enter Number	1350	Project Work	Administration	Health & Safety				
202207	Example Contractor Name	Enter Number	1350	Non Direct Support	Mine Maintenance	Mine Maintenance				
202207	Example Contractor Name	Enter Number	1302	Administration	Administration	Townsite				
202207	Example Contractor Name	Enter Number	1341	Administration	Mercantile	Mercantile Motel				
202207	Example Contractor Name	Enter Number	1341	Administration	Mercantile	Mercantile Lanes				
202207	Example Contractor Name	Enter Number	1341	Administration	Mercantile	Mercantile Conoco				
202207	Example Contractor Name	Enter Number	1302	Administration	Mercantile	Recreation Center				
202207	Example Contractor Name	Enter Number	1322	Morenci Water and Electric	Administration	Townsite				

# Safety Audits

## 14. PPE / First Aid

[More Details](#) [Insights](#)

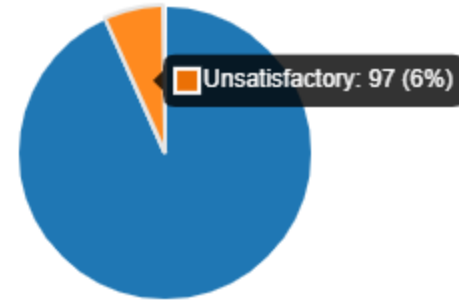
Satisfactory	1352
Unsatisfactory	148
Not Applicable	3



## 6. Housekeeping

[More Details](#) [Insights](#)

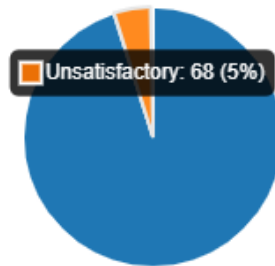
Satisfactory	1403
Unsatisfactory	97
Not Applicable	3



## 8. JRA/JSA

[More Details](#) [Insights](#)

Satisfactory	1430
Unsatisfactory	68
Not Applicable	5



## 7. Comment

[More Details](#)

4  
Responses

Latest Responses

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**Freeport Safety Incidents,  
Successes & Alerts**

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# Potential Fatal Event: Unoccupied Haul Truck Rolls Backward



## Preliminary Incident Details

<b>Operation</b>	Climax
<b>Date / Time</b>	June 19, 2024 / 10:25 a.m.
<b>Event Type</b>	Near Miss
<b>Summary</b>	As part of routine maintenance activities, an employee set up a haul truck on wood planks in front of a bay at the shop to remove both outer tires. The employee noticed the truck wasn't properly centered and went to move it, but it wouldn't start. The employee called over two other technicians, who went under the truck and behind the front left tire to air start it. When air was applied, the truck started and rolled backward, missing the two technicians underneath. The truck traveled about 25 yards in reverse across the road before coming to a stop against a berm. Initial review indicates the park brake was not set and only one chock was set.
<b>Risk Category</b>	Actionable – Significant (3) Likely (3)
<b>Findings / Missing Controls</b>	<ul style="list-style-type: none"> <li>• Failure to follow proper protocols</li> <li>• Park brake was not set</li> <li>• Only one chock was placed to prevent movement</li> </ul>
<b>Applicable Policies / Procedures</b>	<ul style="list-style-type: none"> <li>• N/A</li> </ul>
<b>Employee Condition</b>	<ul style="list-style-type: none"> <li>• No injury</li> </ul>
<b>Contact</b>	<ul style="list-style-type: none"> <li>• Amy Reyes, Senior Supervisor-Health and Safety</li> </ul>

## Photos / Links



*A view of the haul truck after it rolled off the wood planks and crossed the road in reverse before coming to a stop against a berm.*



Exposure to  
Electrical Hazard

# Actionable Event: Breaker Arc Flash

## Preliminary Incident Details

<b>Operation</b>	El Paso
<b>Date / Time</b>	July 7, 2024 / 6:30 p.m.
<b>Event Type</b>	Near Miss
<b>Summary</b>	An electrician was called to reset an overloaded and tripped breaker at the coil collecting process of the Rod Plant. After the first reset, the table section of the conveying system did not respond. As the electrician returned to the breaker to troubleshoot, an arc occurred when a voltmeter contacted a contactor.
<b>Risk Category</b>	Actionable – Significant (3) Likely (3)
<b>Findings / Missing Controls</b>	<ul style="list-style-type: none"> <li>Faulty electrical equipment</li> </ul>
<b>Applicable Policies / Procedures</b>	<ul style="list-style-type: none"> <li><a href="#">FCX-HS03 Energized Electrical Work Technical Supplement</a></li> </ul>
<b>Employee Condition</b>	<ul style="list-style-type: none"> <li>Employee was uninjured</li> </ul>
<b>Contact</b>	<ul style="list-style-type: none"> <li>Roland Ruybe, Manager-Health and Safety</li> <li>Alejandro Valadez, Manager-Rod Mill Operations</li> </ul>

## Photos / Links



Arc flash label



Table E conveyor door



Electrician inside of the motor control center when arc flash occurred





# Actionable Event: Lowboy Fender Falls

## Preliminary Incident Details

<b>Operation</b>	Bagdad
<b>Date / Time</b>	July 25, 2024 / 7:30 a.m.
<b>Event Type</b>	Near Miss
<b>Summary</b>	Contractor technicians were replacing a lowboy rear fender. The night crew positioned the fender with a crane but did not tack weld it in place before removing the crane and leaving site. The next morning, the fender fell to the ground as the day crew was preparing for work approximately 45 feet away.
<b>Risk Category</b>	Actionable – Significant (3) Likely (3)
<b>Findings / Missing Controls</b>	<ul style="list-style-type: none"> <li>• Failure to follow standard operating procedure.</li> <li>• A welder was unavailable during the evening shift.</li> </ul>
<b>Applicable Policies / Procedures</b>	<ul style="list-style-type: none"> <li>• Contractor standard work practice</li> <li>• <a href="#">FCX-HS32 Crane and Rigging Policy</a></li> </ul>
<b>Employee Condition</b>	<ul style="list-style-type: none"> <li>• No injuries.</li> </ul>
<b>Contact</b>	<ul style="list-style-type: none"> <li>• Danielle Murphey, Sr. Supervisor-Industrial Hygiene</li> <li>• Benny Corbell, Manager-Mine</li> </ul>

## Photos / Links



*Lowboy fender after falling to ground (approximately 45 feet to crew members gathered at truck).*

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## Potential Fatal Events

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Fall from Height

# Potential Fatal Event: Employee Falls from Fixed Ladder

## Preliminary Incident Details

<b>Operation</b>	Miami
<b>Date / Time</b>	July 10, 2024 / 4:55 p.m.
<b>Event Type</b>	Injury – Medical Treatment
<b>Summary</b>	An employee was climbing a fixed ladder after cleaning hoppers. Approximately 12 feet up from the landing, the employee lost their grip and fell to the grating at the base of the ladder. The employee landed on their left arm and struck their head.
<b>Risk Category</b>	Monitor – Significant (3) Possible (2)
<b>Findings / Missing Controls</b>	<ul style="list-style-type: none"> <li>Fall protection was not required</li> </ul>
<b>Applicable Policies / Procedures</b>	<ul style="list-style-type: none"> <li><a href="#">FCX-HS02 Working at Heights</a></li> </ul>
<b>Employee Condition</b>	<ul style="list-style-type: none"> <li>Employee broke thumb</li> </ul>
<b>Contact</b>	<ul style="list-style-type: none"> <li>Justin Taylor, Manager-Health and Safety</li> </ul>

## Photos / Links

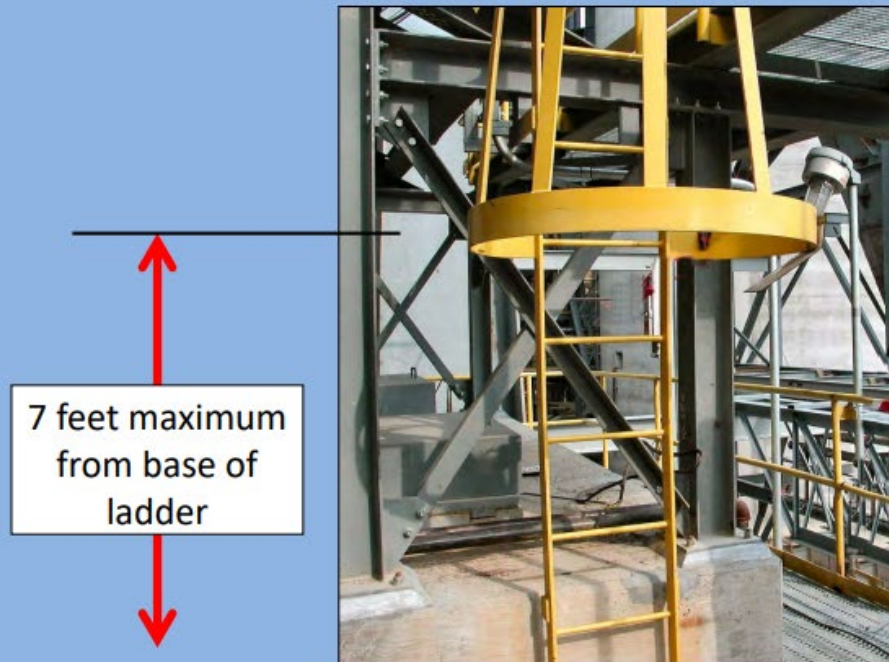


Location of ladder and fall.

# Ladder Cages

## 30 CFR §§ 56/ 57.11026

Fixed ladders, 70 degrees to 90 degrees from the horizontal and 30 feet or more in length, shall have backguards, cages or equivalent protection, starting at a point not more than seven feet from the bottom of the ladders.



### Working at Heights Policy

Health and Safety FCX-HS02 | Release 03/2018 | Version 1

#### Ladders

- Persons may climb a ladder that is 20ft (6.1m) or less w/o fall protection if '3 points of contact' used.
- Tie off or secure ladders prior to use.
- Ladders must extend 3ft (1m) beyond the access point.
- Never use the top two steps of stepladders.
- Do not reach outside the plane of the ladder to prevent tipping.
- Use 4 –to-1 principal for extension ladders.
- Hot work from a ladder is not permitted without a variance



Fall from Heights

# Potential Fatal Event: Employee Falls From Crossover

## Preliminary Incident Details

<b>Operation</b>	Bagdad
<b>Date / Time</b>	July 29, 2024 / 9:15 a.m.
<b>Event Type</b>	Injury – Medical Treatment
<b>Summary</b>	A mill employee was standing on top of a rougher flotation crossover approximately four feet from the floor. The employee fell backwards, hit their ribs on a pipe and fell to the floor.
<b>Risk Category</b>	Actionable – Significant (3) Likely (3)
<b>Findings / Missing Controls</b>	<ul style="list-style-type: none"> <li>No fall protection was being used above four feet.</li> <li>Employee should not have been on top of crossover.</li> <li>No field verification by supervision that employees were working safely.</li> </ul>
<b>Applicable Policies / Procedures</b>	<ul style="list-style-type: none"> <li><a href="#">FCX-HS02 Working at Heights Policy</a></li> </ul>
<b>Employee Condition</b>	<ul style="list-style-type: none"> <li>Employee was transported off-site for medical treatment.</li> </ul>
<b>Contact</b>	<ul style="list-style-type: none"> <li>Danielle Murphey, Senior Supervisor-Industrial Hygiene</li> <li>Ryan Fidler, Manager-Mill</li> </ul>

DRAFT

## Photos / Links

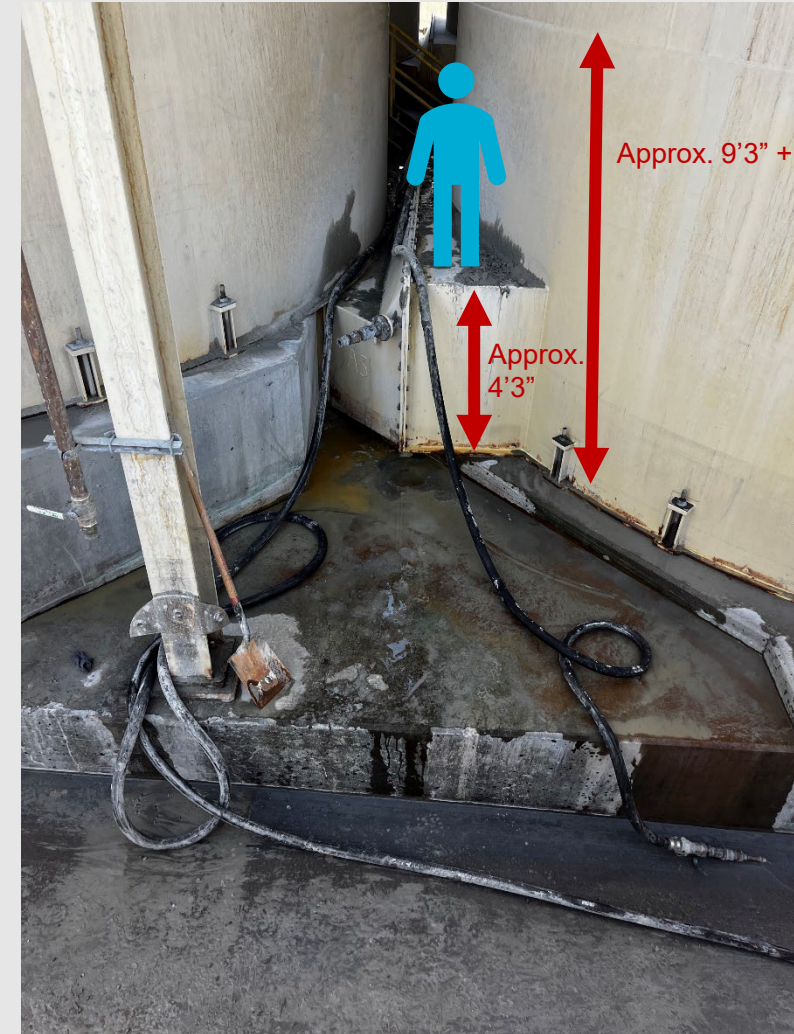


Diagram of employee location prior to fall and approximate heights.

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## Training

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# Contractor Training

- Process for certification of trainers
- Deadlines for certification
- Grace period for certification
- 3<sup>rd</sup> party training
- What are Morenci site specific training classes



# Train the Trainer - Contractor Options

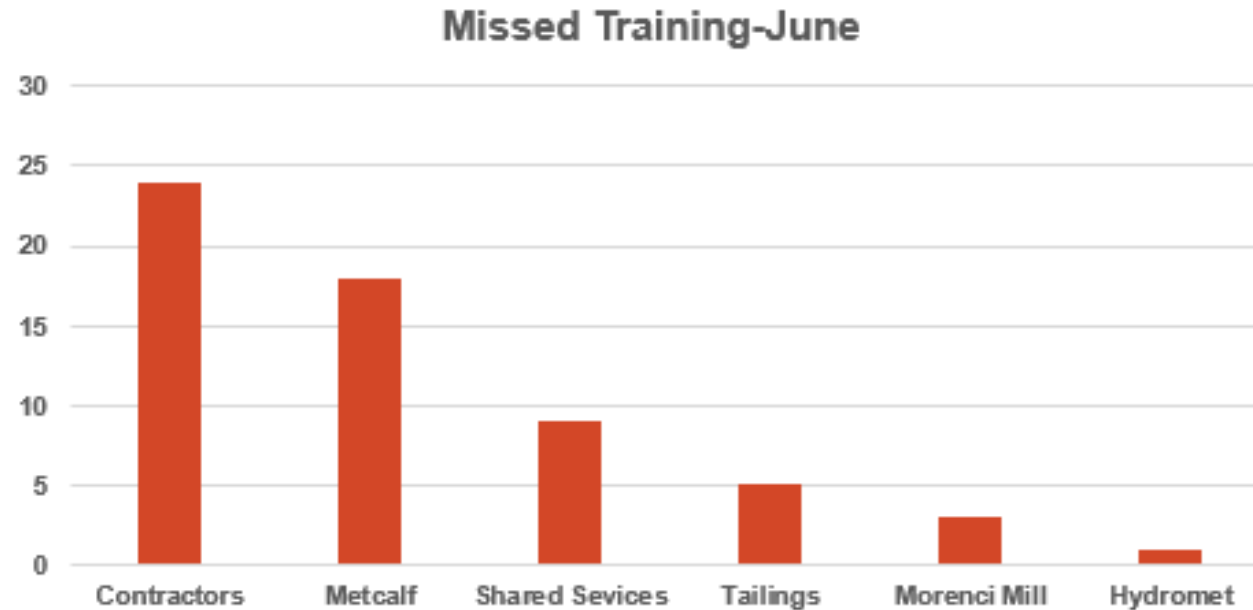
1. Attend, Co-teach, Sole Instruct at a Site
2. Attend a Formal FCX MTI - TTT course.
3. Attend Approved Vendor Based Training for FCX TTT per compliance course.

\*Variance only available for those contractor instructors that can demonstrate previous 12-month history of training to FCX material or when a new initial course is released.



# Other Training Options

- Contractors can still attend Morenci trainings at the Clifton Training Center
- Ensure attendance when these are booked:



- Missed training hurts us in several ways – others cannot attend