

THE VALUE OF
COPPER

Safford Contractor Monthly Meeting

February 12, 2025

FCX
LISTED
NYSE



ICMM
Member



All Operating Sites

fcx.com

FREEPORT
FOREMOST IN COPPER

Working Together Saves Lives!

If you don't know, ask. Working with people is far better than working against them — always bring together all the people and information available to you!

PFE and Actionable Incidents

THE VALUE OF
COPPER

FREEPORT
FOREMOST IN COPPER



Uncontrolled
Release of Energy

Actionable Event: Haul Truck Dump Body Fell onto Frame

Preliminary Incident Details

Operation	Chino
Date / Time	January 19, 2025 / 1 p.m.
Event Type	Property Damage
Summary	Two contractor mechanics were replacing a haul truck engine and had also replaced all the hydraulic lines. After the engine swap, Mechanic 1 started the haul truck from the cab while Mechanic 2 went underneath to remove the retaining cable from the tow point and check the hydraulic tank fluid levels. Mechanic 1 pressed the switch to lower the dump body before building pressure on the bed hydraulic cylinders. Without the retaining cable and no pressure in the cylinders, the dump body fell freely onto the frame rails, breaking two cab windows and causing mud to fall near Mechanic 2.
Risk Category	Actionable – Significant (3) Likely (3)
Findings / Missing Controls	<ul style="list-style-type: none"> The retaining cable was removed prematurely. The hydraulic cylinders were not pressurized when the dump body was lowered.
Applicable Policies / Procedures	<ul style="list-style-type: none"> FCX-HS04 Control of Hazardous Energy Policy
Employee Condition	<ul style="list-style-type: none"> No injuries were reported.
Contact	<ul style="list-style-type: none"> Jim Cook, Manager-Health and Safety

Photos / Links



The retaining cable attached from truck bed to haul truck frame



Mechanic 1 –
inside truck cab

Mechanic 2 –
approx. 5 ft. from
hydraulic tank

Position of mechanics at time of incident



Exposure to
Electrical Hazard

Actionable Event: Shovel Cable and Mat Caught on Service Truck

Preliminary Incident Details

Operation	Sierrita
Date / Time	January 22, 2025 / 6:45 a.m.
Event Type	Property Damage
Summary	As a service truck was turning into a drill corral entrance, the right rear outrigger snagged a 7,200-volt shovel cable and crossover mat. Unaware of this, the operator continued driving. About 720 feet from the corral entrance, the cable contacted a portable restroom trailer. The cable broke at a section that had been previously patched, causing an arc flash. The truck finally came to a stop 360 feet beyond the point of the cable failure.
Risk Category	Actionable – Significant (3) Likely (3)
Findings / Missing Controls	<ul style="list-style-type: none"> The crossover mat was missing bolts and in poor condition, leaving minimal space between it and the outrigger.
Applicable Policies / Procedures	<ul style="list-style-type: none"> FCX-HS03 Electrical Safety Policy
Employee Condition	<ul style="list-style-type: none"> No reported injuries.
Contact	<ul style="list-style-type: none"> Cara Forbregd, Manager-Health and Safety Allen Kinney, Superintendent-Mine Operations

Photos / Links



Service truck with cable and mat caught on the outrigger.



Condition of the crossover mat after contact with truck.



Broken cable following contact with portable restroom trailer.



Cable and crossover mat before contact with truck.



Blasting

Actionable Event: Unplanned Blast Hole Ignition

Preliminary Incident Details

Operation	Morenci
Date / Time	January 25, 2025 / 5:23 p.m.
Event Type	Near Miss
Summary	Ground personnel were in the final stages of clearing the blasting area. All holes had been tied-in, and the blasting crew was in the process of stringing out the shot. During this process, one hole self-detonated. The blasting crew made a radio announcement to clear all personnel from the area. At the time of incident, the blasting pattern was not connected to the blasting box.
Risk Category	Actionable – Significant (3) Likely (3)
Findings / Missing Controls	<ul style="list-style-type: none"> • Human behavior did not contribute to this event, and all operating procedures were followed. • The probable cause is ground reactivity, which has been mitigated by using a blasting inhibitor in site blasting operations.
Applicable Policies / Procedures	<ul style="list-style-type: none"> • FCX-15 Surface Blasting Policy
Employee Condition	<ul style="list-style-type: none"> • No reported injuries.
Contact	<ul style="list-style-type: none"> • Belen Lawrence, Manager-Health and Safety • Kudir Kudadiri, Manager-Fragmentation and Mine Development

Photos / Links

Crew locations at time of blast. Closest employee was approximately 600 feet from the detonated hole.



Unplanned hole ignition.



Potential Fatal Event: Failed Converter Guard

Fall From Height

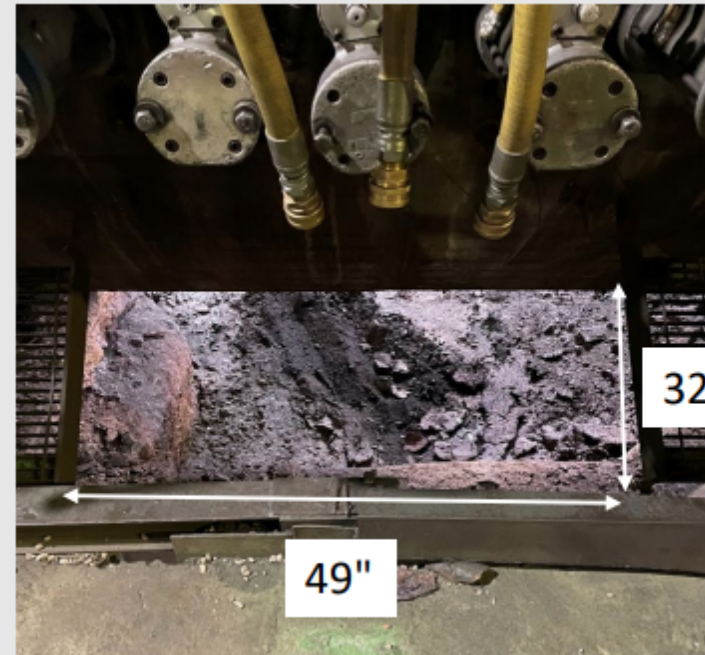
Preliminary Incident Details

Operation	Miami
Date / Time	January 26, 2025 / 7:30 p.m.
Event Type	Near Miss
Summary	An employee was tightening bolts on the air guns of a converter. In this area, guards are in place to cover holes when the converter is rolled down and handrails are removed. The employee had one foot on the hole guard when its weld failed. This caused the employee to fall forward, but they managed to catch themselves before falling through the opening. The potential fall distance was about 14.5 feet (4.5 meters).
Risk Category	Actionable – Significant (3) Likely (3)
Findings / Missing Controls	<ul style="list-style-type: none"> The converter hole guards are not designed to support personnel, but this is not widely understood. <ul style="list-style-type: none"> The guards are meant to protect against falling objects between the floor and the converter. Employees refer to the guard as a “platform,” leading to confusion about how it should be used. Proper weld procedures were not followed during installation, resulting in poor-quality welds. Preventative maintenance checks do not include weld inspections.
Applicable Policies / Procedures	<ul style="list-style-type: none"> FCX-HS02 Working at Heights
Employee Condition	<ul style="list-style-type: none"> No reported injuries
Contact	<ul style="list-style-type: none"> Justin Taylor, Manager-Health and Safety

Photos / Links



Broken guard welds



A view looking down through the open hole after guard failure

32"

49"

MSHA Daily Fatality Report 2021-2025

(as of Feb 11th)

Fatalities chargeable to the Mining Industry

Accident Classifications	2021		2022		2023		2024		2025	
	UG	S	UG	S	UG	S	UG	S	UG	S
ELECTRICAL	0	0	0	0	0	3	0	0	0	0
EXP VESSELS UNDER PRESSURE	0	0	0	0	0	0	0	0	0	0
EXP & BREAKING AGENTS	0	0	0	0	0	0	0	0	0	0
FALL/SLIDE MATERIAL	0	0	0	1	0	0	0	0	0	2
FALL OF FACE/RIB/HIGHWALL	0	0	0	0	0	0	0	0	0	0
FALL OF ROOF OR BACK	0	0	1	0	0	0	0	0	0	0
FIRE	0	0	0	0	0	0	0	0	0	0
HANDLING MATERIAL	0	0	0	0	0	0	0	0	0	0
HAND TOOLS	0	0	0	0	0	0	0	0	0	0
NONPOWERED HAULAGE	0	0	0	0	0	0	0	0	0	0
POWERED HAULAGE	1	2	0	2	0	1	0	2	1	1
HOISTING	0	0	0	0	0	0	0	0	0	0
IGNITION/EXPLOSION OF GAS/DUST	0	0	0	0	0	0	0	0	0	0
INUNDATION	0	0	0	0	0	0	0	0	0	0
MACHINERY	0	1	1	0	1	1	0	0	0	1
SLIP/FALL OF PERSON	0	0	0	1	0	1	0	0	0	0
STEP/KNEEL ON OBJECT	0	0	0	0	0	0	0	0	0	0
STRIKING OR BUMPING	0	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0	0	0	0
YEAR TO DATE TOTALS	1	3	2	4	1	6	0	2	1	4
COMBINED YEAR TO DATE TOTALS	4		6		7		2		5	
END OF YEAR TOTAL	38		30		40		28			

UG- Underground Mines
 S – Surface Mines

5 Fatalities for 2025

- 2 Powered Haulage
- 1 Machinery
- 1 Highwall Failure
- 1 Falling Material

Safford Site HS Info

THE VALUE OF
COPPER

FREEPORT
FOREMOST IN COPPER

Safford MAYDAY SOP



STANDARD OPERATING PROCEDURE (SOP) Safford Operations	SOP #	SHS-002	
	ORIGINAL DATE	2/5/2025	
	REVISION DATE		
	RISK CLASSIFICATION		HIGH
			MEDIUM
	X		LOW
Initiate an Emergency (MAYDAY)			

1. MAYDAY, MAYDAY, MAYDAY on the primary channel in the area of the emergency.
2. Press the ORANGE/P4 button on the radio and wait for console operator to answer the call.
3. Call the EMERGENCY NUMBER 928-792-5800.

I. PURPOSE

All employees know and understand how to initiate an Emergency (MAYDAY). Following these procedures will help ensure the safest and most efficient emergency response for all employees, contractors, and visitors on the Freeport-McMoRan Safford property.

NOTE: When a Mayday is called at any location, maintain radio silence to give access to emergency services. All traffic in all areas is to stop until the Mayday is cleared. At times specific areas of the property may be cleared sooner, this is to be done by Supervision receiving the approval from the on-scene safety professional. All Confined Space entries are suspended until an all clear is given AND Rescue is back in service and available to respond.

[FMSO Initiate An Emergency\(Mayday\) SOP.docx](#)

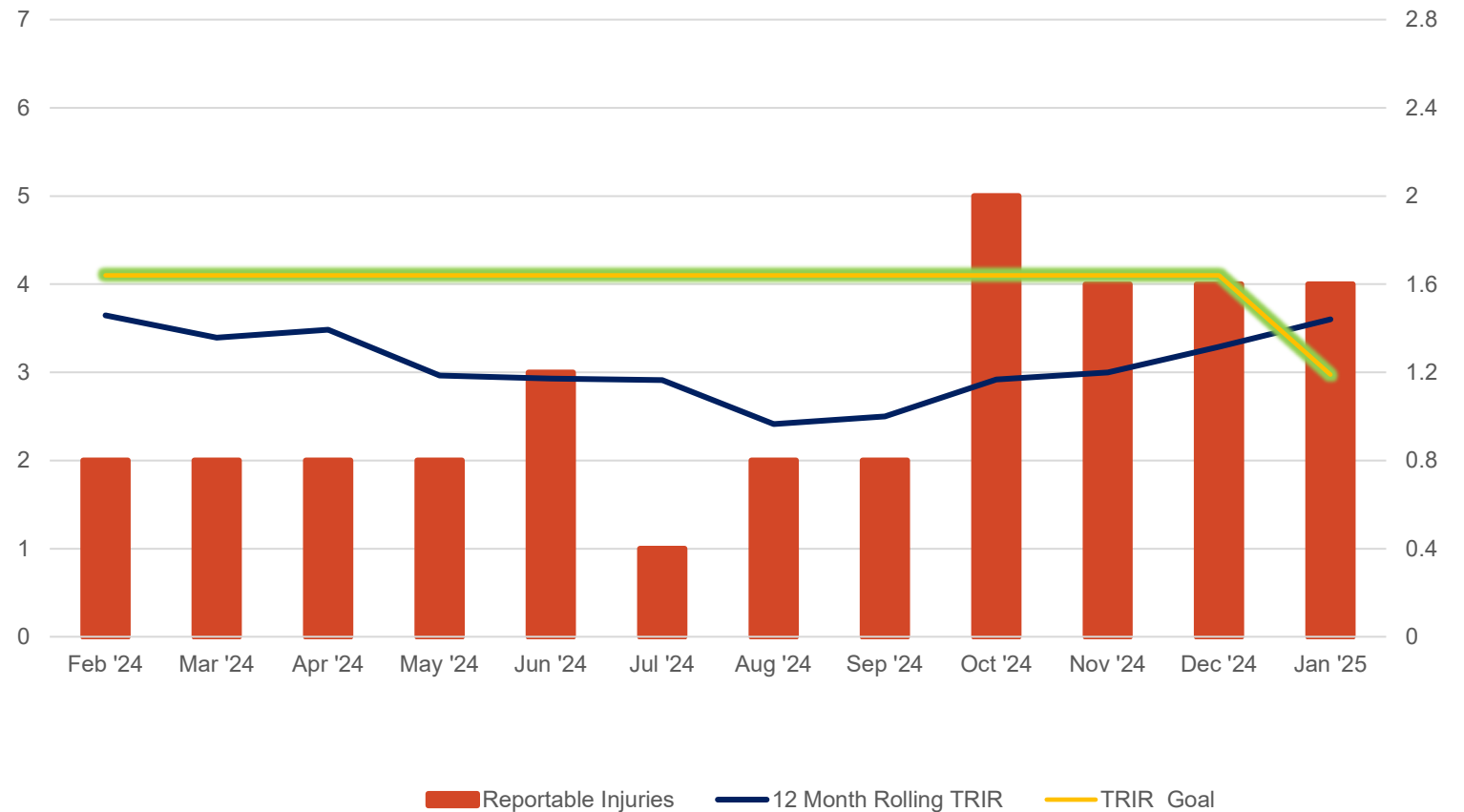
Safford January Reportable Incidents

Incident #	Date	Type	Division	Description	Mechanism	Body Part
1	1/10/2025	Lost Time	Mine Maintenance	Lube truck rear brakes caught fire, and employee was trying to put out flames with fire extinguisher when the rear tire blew.	Contact with	Head/Neck
2	1/21/2025	Medical Treatment	RAM Enterprises	Employee felt object in eye and rubbed it causing a small scratch	Rubbed or Abraded	Eye
3	1/29/2025	Restricted Duty	Hydromet	While lifting propane gun, employee felt pain.	Sprain/Strain	Torso
4	1/29/2025	Restricted Duty	Mine Operations	Haul truck driver was jarred in truck when it struck a mine haul road berm.	Collision	Back

4 First Aids (Oil in eye, copper blank to leg, debris in eye, rolled rock onto finger)

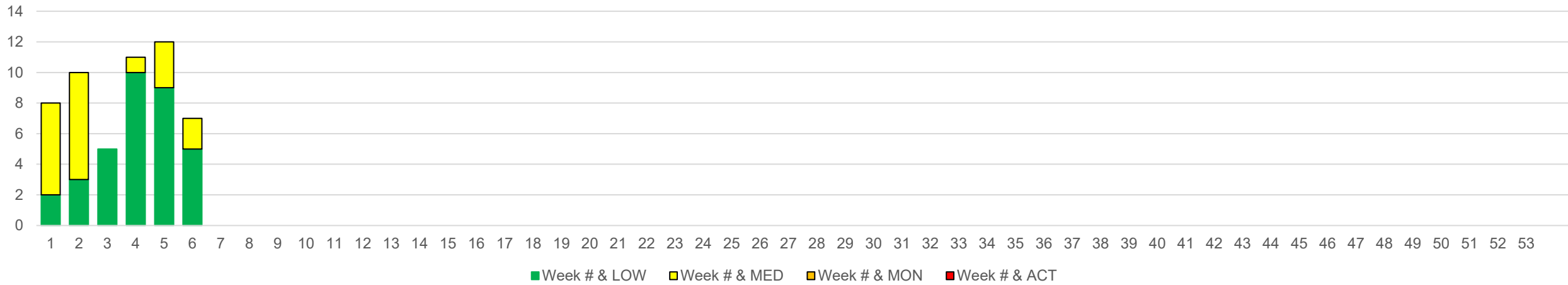
Safford Safety Performance

- Reportable Incidents/Rate January: 4 / 1.98
- 1Q24 Incidents/Rate: 4 / 1.98
- YTD Incidents/Rate: 4 / 1.98
- 2025 TRIR Target: 1.19
- **Contractors YTD: 1 / 1.63**

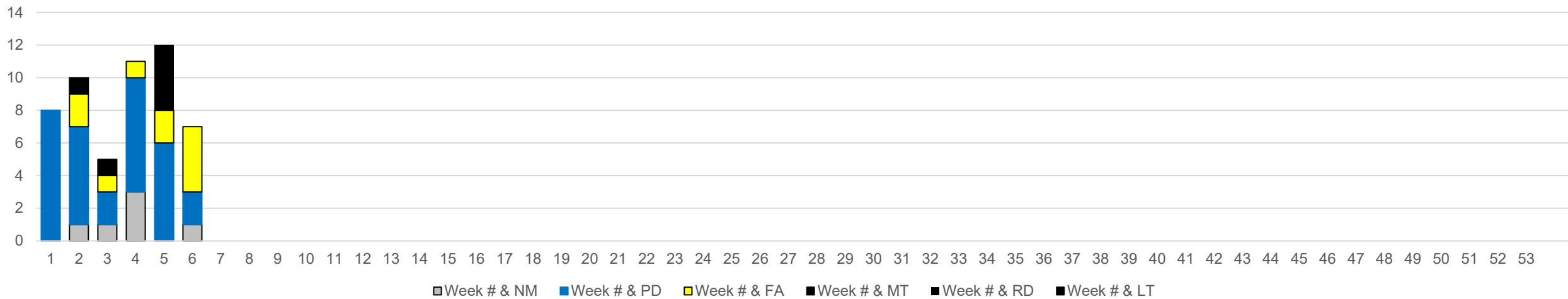


Incident trends 2024 Week to Week

Incidents / Week by Risk Rating



Incidents / Week by Type




Monthly Incident/Hours reporting

- Due the 5th day of the month (or sooner) for the following month
- Be sure to send to Dolli Herrera (dherrera3@fmi.com)
 - You may remove Marjorie Ogas and Cynthia Lacey-Dalton

Contractor Company Name	Number of First Aid Incidents	Number of Medical Treatment Injuries (not lost time or restricted)	Number of Lost time/Restricted Duty incidents	Number of lost/restricted workdays	Number of Occupational Illnesses	Number of Fatalities	Number of Property Damage	Number of Near Miss	Number of Fire Incidents	Number of Environmental Releases	MSHA Regulated Project Hours Worked	OSHA Regulated Project Hours Worked	Total work hours	Project TRIR	Status of Project H&S Goals, as applicable
January													0.00	#DIV/0!	
February													0.00	#DIV/0!	
March													0.00	#DIV/0!	
April													0.00	#DIV/0!	
May													0.00	#DIV/0!	
June													0.00	#DIV/0!	
July													0.00	#DIV/0!	
August													0.00	#DIV/0!	
September													0.00	#DIV/0!	
October													0.00	#DIV/0!	
November													0.00	#DIV/0!	
December													0.00	#DIV/0!	
Cumulative Year-to-Date	0	0	0												

Daily Manpower Report



- Just a reminder that if you are reporting TRIR hours you should have turned in a Daily Manpower Report for the days that you are onsite. This report is to be emailed to Alicia Aranda / aaranda1@fmi.com by 10am each day.

Personal Monitor - Rescue



- If personal monitors are needed, they can be checked out daily at **Site 3 – Rescue Trailer**
- Sign out and **Badge** is required to use these monitors for the day
- Badge will be returned at end of day or end of job when monitor is returned to Site 3

THE VALUE OF COPPER

FREEPORT
FOREMOST IN COPPER

fcx.com

Global Supply Chain - Safford

FCX
LISTED
NYSE



ICMM
Member



All Operating Sites

Grievance Mechanisms

Compliance Line Poster

Principles of Business Conduct

Business Partner Code of Conduct

Guiding Principles

Community Grievance Mechanism

PLUS:

- Compliance with legal judgements
- Participation in third party non-judicial grievance mechanisms (OECD National Contact Points, Copper/Moly Mark Grievance Mechanism, etc.)

Grievance Mechanisms

Ensure to do both Panel 1 & Panel 2

GSC will finalize with GM approval

After GM approval is received and profiles finalized - EID's will be forwarded to you so that you may schedule training. Headshots / MSHA docs will be needed for badges. Badges are for employees who will be onsite for 2 weeks or more.

All Sub-contractors must be in ISN as well.

Any questions reach out to Alicia Aranda

(928)651-2832 / aaranda1@fmi.com



Environmental Monthly Bulletin

THE VALUE OF COPPER

FREEPORT
FOREMOST IN COPPER

2024 SPCC spill Stats – Feb 2025

ENVIRONMENTAL MONTHLY BULLETIN

February 2025

2024 Petroleum Spill Stats

Safford's Spill Prevention, Control, & Countermeasure Plan (SPCC) requires tracking and reporting of petroleum spills.

When Should I Report a Spill?

MYTH: Only report a spill if it is a release > 5 gallons

FACT: Report all spills outside of normal process conditions

Tips to avoid Petroleum Spills:

- Ensure containers are closed and secure
- Have controls in place such as secondary containments and spill kits
 - Petroleum containers or tanks that contain 55 gallons or more require secondary containment
- Secondary containments can be constructed from concrete, metal, plastic, or an earthen berm, and must hold 110% of the single largest container/tank inside the containment
- Remove rainwater, spills, trash, and debris from containments

Submit an MOC when moving, removing, or adding containers, storage areas, and tanks.

2024 Petroleum Spills		
Month	Number of Spills	Gal
Jan	5	395
Feb	3	72
March	3	1416
April	3	100
May	3	550
June	1	1
July	2	104
Aug	2	50
Sept	6	305
Oct	4	566
Nov	3	101
Dec	6	819
Total:	41	4479

Total Petroleum Spills by Year	
Year	Total
2024	41
2023	21
2022	51
2021	40

* FMSI lost approximately \$20,000.00 from spills of petroleum product in 2024.

**Recent MSHA
Inspection
Findings -
Morenci**

THE VALUE OF
COPPER

FREEPORT
FOREMOST IN COPPER

Top Citation Grouping

- Electrical – Illumination, broken conduit, exposed wires, boxes not labeled, clearance in front of electrical boxes, missing knockouts
- Housekeeping – Material in walkways, footprints in mud, built up dirt/debris
- Machinery & Equipment – Cracked windows, missing bolts, broken handrail welds, homemade tools, guarding not secured, parking brake not set
- Fire Hazards – Annual fire suppression inspections, used oil accumulation, oily rags disposal, BO fire extinguishers
- General Requirements – Eye wash stations, dismounting equipment face forward

Fatal Risk Policy Review

THE VALUE OF COPPER

FREEPORT
FOREMOST IN COPPER

February – Electrical FRM



Electrical Safety Policy

Health and Safety FCX-HS03 | Release 08/2019 | Version 1.1

POTENTIAL FATAL RISKS

Exposure to Electrical Hazards

CRITICAL CONTROLS

- Access Control
- Barriers and Segregation
- Electrical PPE
- Energized Electrical Work Permit Execution
- Energy Isolation/LOTOTO
- Engineering Controls

ELECTRICALLY QUALIFIED INDIVIDUAL

Only Electrically Qualified Individuals will perform de-energizing process to bring equipment to electrically safe work condition.

An Electrically Qualified Individual:

- Has demonstrated skills and knowledge related to the construction and operation of electrical

POLICY

This policy intends to protect employees and contractors from the hazards of work around electrical installations and equipment.

1. Manage and reduce arc flash levels to the lowest possible.
2. Reduce exposure to electrical shock.
3. Provide protection to personnel when electrical work is performed.
4. Maintain electrical equipment and installations as safe and serviceable

ACTIONS TO STAY SAFE

- Electrical risk assessment is required before starting the work.
- Review SOPs for specific task before starting electrical work.
- Equipment must be de-energized except under exceptional conditions or trouble shooting.

ELECTRICALLY SAFE WORKING CONDITION

A state in which an electrical conductor or circuit part has been disconnected from energized parts, locked/tagged in accordance with established standards, tested to verify the absence of voltage, and, if possible, temporarily grounded for personnel protection.

Procedures to De-energize Electrical Equipment must include:

1. Determine all possible sources of electrical supply to the specific equipment. This may include: drawings, diagrams, and identification tags.

- Electrically Qualified
- Proper Labeling
- Distance from Over head Powerlines
- Requirements for Energized Work



TECHNICAL SUPPLEMENT

ELECTRICAL SAFETY FCX-HS03 | ENERGIZED ELECTRICAL WORK
 RELEASE 07/2018 | VERSION 1

GENERAL INFORMATION

- Anytime work is performed on electrical equipment and circuits, every effort must be made to de-energize the power in order to perform the necessary tasks. However, there are times when de-energizing the circuit is not possible. In these cases, appropriate justifications are required and must follow the processes and procedures defined in this Technical Supplement.
- When working within the restricted approach boundary or the arc flash boundary of exposed energized electrical conductors or circuit parts that are not placed in an electrically safe work condition, work to be performed shall be considered energized electrical work.
- This policy applies to all qualified electrical personnel.
- Overhead line work is not covered under this policy.
- Only an electrically qualified individual may perform energized work.

Personnel

ENERGIZED WORK JUSTIFICATION

Prior to performing energized work, an electrical risk assessment must be completed to determine if an energized work permit must be completed.

Exposed

Employees need to understand electrical exposure as part of the risk assessment in any task. With electrical equipment, most enclosures provide a barrier from energized conductors. Sites need to protect employees from inadvertently, accidentally, unintentionally touching, or approaching nearer than a safe distance to electrical equipment. For example, working on smaller 480V panels where 480V disconnects or transformers may be placed in a panel with PLCs or other low voltage electronics.

Energized Work Permit Requirements

- Any Repair work while energized in the restricted approach boundary, including physical alteration of electrical

[FCX-HS03 Electrical Safety Policy.pdf](#)
[FCX-HS03 Energized Electrical Work Technical Supplement.pdf](#)

February – Electrical FRM



TECHNICAL SUPPLEMENT

ELECTRICAL SAFETY FCX-HS03 | PERSONAL PROTECTIVE CLOTHING AND EQUIPMENT
RELEASE 07/2018 | VERSION 1

GENERAL INFORMATION

- This defines the minimum requirements that must be followed if work requires circuits of 50 volts or more to be energized. Electrical personnel include for example: electricians, instrument technicians, relay technicians, linemen, electrical engineers, electrical superintendents, and in some cases computer/communications technicians.
- This policy does not cover non-electrical personnel.
- Only electrically trained personnel are permitted to perform the work. Proper safety equipment and current editions of the National Electrical Code (NEC) shall be used.
- Refer to the Arc Flash Risk Assessment for specific rules for

Assessment and Shock Protection Boundaries

- Shock risk assessment is the process that identifies exposure to the potential electrical shock hazards, estimates the potential severity of a shock injury, estimates the likelihood of occurrence of this injury and then determines if protective measures are required and determines the appropriate protective measure to use.



TECHNICAL SUPPLEMENT

ELECTRICAL SAFETY FCX-HS03 | ARC FLASH MANAGEMENT
RELEASE 07/2018 | VERSION 1

GENERAL INFORMATION

This technical supplement is intended to establish minimum requirements for electrical Arc Flash studies in all Freeport-McMORan mining operations and plants in order to balance production requirements, distribution system reliability and troubleshooting, to protect equipment, and to define administrative safety controls to properly protect our people.

Management Process

FCX will assign an Electrical Safety Lead to oversee compliance to this policy and manage a process that includes: tracking the completion of electrical studies, application of arc flash labels, and updating of drawings.

Electrical Safety Lead

The Electrical Safety Lead, in coordination with site leaders, is responsible for verifying and documenting that each site is in compliance with FCX-HS03 Electrical Safety Policy. This includes verification and documentation that each site has updated arc flash results, in compliance with Arc Flash Study requirements section, and updated arc flash labels, single line drawings and an electrical equipment database, as defined in this document.

Arc Flash Study Requirements

Three Phase electrical equipment, rated greater than 240V (RMS-LL), such as switchboards, panel boards, industrial control panels, meter socket enclosures, switchgear, and motor control centers (MCC) that are in other than dwelling units and that are likely to require examination, adjustment, servicing, or maintenance while energized shall have an arc flash analysis performed. One of two methods below shall be used to obtain the arc flash incident energy.

1. Incident Energy Analysis Method
2. Arc Flash PPE Category Method

Equipment rated equal to or less than 240V may be labeled as follows:

- 3-Phase equipment rated 240V may be labeled with an incident energy of 4.0cal/cm².
- 3-Phase equipment rated less than 240V:
 - Fed by a transformer rated less than 125KVA, may be labeled with an incident energy of less than 1.2cal/cm²
 - Fed by a transformer rated greater than or equal to 125KVA, may be labeled with an incident energy of

- Minimum requirements if work requires 50V or more to be energized
- NFPA 70E
- Arc Flash Boundary
- PPE based on the incident energy shown on arc flash label or from “Arc Flash Risk Assessment”

- Arc Flash Study Requirements

[FCX-HS03 Electrical Personnel Protective Clothing Equipment Technical Supplement.pdf](#)

[FCX-HS03 Arc Flash Management Technical Supplement.pdf](#)

February – Electrical FRM

- Requirements for allowing qualified, non-electrical personnel to work safely when switching/operating designated electrical equipment
- Unless specifically trained, no disconnecting means rated greater than 300V
- Non-electricians trained may operate between 300V-1000V (Shall be labeled)
- Access to MCC to be only for “Qualified Electricians” unless discussions or other measures have been put in place and non-electrician have a specific task/need to be in MCC



TECHNICAL SUPPLEMENT

ELECTRICAL SAFETY FCX-HS03 | SWITCHING FOR NON-ELECTRICAL PERSONNEL
 RELEASE 07/2018 | VERSION 1

GENERAL INFORMATION

- This technical supplement covers the requirements for allowing qualified, non-electrical personnel at Freeport-McMoRan Operations to work in a safe manner when switching/operating designated electrical equipment.
- The process of operating electrical switches or disconnects has significant hazards associated with it. The potential for electrical arc, flash and blast hazards is always present and these conditions can cause severe damage, injury or even death.

Requirements

- Unless specifically trained and authorized employees will not operate any disconnecting means rated greater than 300V voltage level.
- Area manager approval is required for non-electrical personnel who operate disconnect switches.
- Qualified non-electrical personnel, who are trained and authorized may operate a disconnecting means which meets

Labeling

- A
- e
- T
- n
- p
- E
- d
- T
- r
- a
- N
- t
- o
- T
- c
- c
- c



Policy Interpretation

Electrical Safety FCX-HS03 | Release 09/2018

The following policy interpretation letter is provided to clarify the intent of the Electrical Safety Policy, or to communicate minor adjustments to the policy prior to a full document revision.
Always consult with your site Electrical Safety Steering Team member or Health and Safety for additional information.

GENERAL COMMENTS

- The Electrical Safety Policy was created protect employees and contractors from the hazards of work around electrical installations and equipment. To accomplish this, sites must:
1. Manage and reduce arc flash levels to the lowest possible.
 2. Reduce exposure to electrical shock.
 3. Provide protection to personnel when electrical work is performed.
 4. Maintain electrical equipment and installations as safe and serviceable

MCCs have unique electrical hazards that could be unfamiliar to non-electrical personnel. Only a qualified electrician has training and experience to identify the hazards and reduce the associated risk in the MCC. With the 600V training for non-electricians, personnel may be permitted to engage/disengage disconnects under 200 amps with management approval outside an MCC. This training does not qualify individuals to enter or work in MCC rooms or areas or operate breakers or switchgear.

Difference in “Qualified Electrician” or “Employee who has received NFPA 70E training”:
 The NFPA 70E and FCX define a qualified electrician as “someone who has demonstrated the skills and knowledge related to the construction and operation of the electrical equipment and installations and has received safety training to identify the hazards and reduce the associated risk.” NFPA 70E training alone requires no demonstration of the above, and would not provide comprehensive knowledge related to the construction and operation of the

[FCX-HS03 Switching for Non-Electrical Personnel Technical Supplement.pdf](#)
[Policy Interpretation Letter- Electrical Safety.pdf](#)

February – Guarding/Entanglement

Guarding

Material handling systems components shall be guarded to prevent individuals from contacting moving machine parts. **Guarding** shall be readily identifiable as a guard and properly secured. They shall be maintained in a condition that is not easily defeated by intentional or accidental behavior of employees.

- Sites must ensure all **guarding** and pull cords meet applicable regulations and requirements.

§ 56.14107 Moving machine parts.

- (a) Moving machine parts shall be guarded to protect persons from contacting gears, sprockets, chains, drive, head, tail, and takeup pulleys, flywheels, couplings, shafts, fan blades, and similar moving parts that can cause injury.
- (b) Guards shall not be required where the exposed moving parts are at least seven feet away from walking or working surfaces.

- Flagging/barricading
- Loose jewelry/Clothing/Hair
- Safe Distances
- Escape Routes
- LOTOTO Procedures
- Replacement of guards after maintenance work

**Health & Safety
Team
2025**

THE VALUE OF
COPPER

FREEMPORT
FOREMOST IN COPPER

Health & Safety Team Assignments 2025

- Mine/IH/Admin oversight – Dora Bleak, Sr. Supervisor 928 965-8637
 - Mine Ops – Marjorie Ogas, H&S Specialist 928 965-1551
 - Mine Maintenance – H&S Specialist
 - Industrial Hygiene – Kirk Redden, IH Lead 928 324-5348
 - Admin Assistant – Dolli Herrera 928 792-7273

Project/Processing oversight – Shannon Del Curto, Sr. Supervisor 928 379-9326

- Hydromet/Leaching - Christie Stannard, H&S Lead 928 651-5582
- Crush Convey – Franus Tomkiewicz, H&S Specialist 928 432-1309
- Projects – Jennifer Cheatham, H&S Specialist
- Projects, Exploration, Rescue – Joe Santiago 928 965-0231

You Are All Safety Pros!

***Carefulness costs you nothing.
Carelessness may cost you your life.***

THE VALUE OF COPPER

QUESTIONS, FEEDBACK, CONCERNS?

FREPORT
FOREMOST IN COPPER



Attendees