

DRIVEN BY VALUE



Monthly Contractor Safety Meeting

February 2018

INTRODUCTION

- Facilities
- Emergency Exits/Meeting Point
- Cell Phones
- Safety Share
- This months focus
 - Environmental
GreenShare
 - Branch Safety Performance
 - Safety Notice – Stop Use
MSA Gravity® Welder Harness
 - Contractors Safety Manual Section 5.15 Personal Protective Equipment (PPE)



When in doubt. Call an Environmental Services representative.



SPILL HOTLINE — (928) 865-7745



Environmental Administration Office — Christina Seballos — (928) 865-6000

Environmental Yard, Satellite Accumulation, Roll Offs & Hoppers — Cody Watkins — 928-965-6928

Asbestos & Lead — Rob Walker — 928-215-6422

Air Quality — Shanna Holguin — (928) 965-0245, Bobby Scott — (928) 965-1770, Waleed Sunna — (928) 215-5695



Environmental ISO 14001 & Product Approvals — Ruth Chismar — (928) 215-9312 — Jonathan Anderson (928) 215-2730

Water Quality & Wild Life — James Hogan — (928) 965-0061, Dee Broadwell — (928) 965-3142, SWPPP — Jamie Aberle — (928) 215-0667

Asset Recovery & Morenci Transfer Station — Bryan Taylor — (928) 965-2777

Environmental Administration Accounting & Contracts — Cheryl Wright — (928) 965-1785



Environmental Share Spill Notification Hotline (928) 865-7745 (SPIL)



- The Spill Hotline is located at the mine gate shack
- Give all information regarding the spill including:
 - Location
 - Type of spill
 - Quantity
 - Copper and acid content if applicable
 - Contact name and phone number
- The mine gate attendant will notify the environmental on-call personnel with information given to the mine gate
- Caller of the spill will receive a call from environmental regarding the spill and the steps to be taken



*For more information refer to BMP 400: Spill Notification & Proper Reporting and
BMP 402: Clean Up Procedures*

February 2018

Contractor Environmental Guidance

Contractors are responsible for understanding the FCX Environmental Policy and complying with all site EMS requirements while on site.

- <https://fcx365-public.sharepoint.com/>

Message from Contract Management: Gay Cole

Safety Performance

DRIVEN BY VALUE

2/5/2018



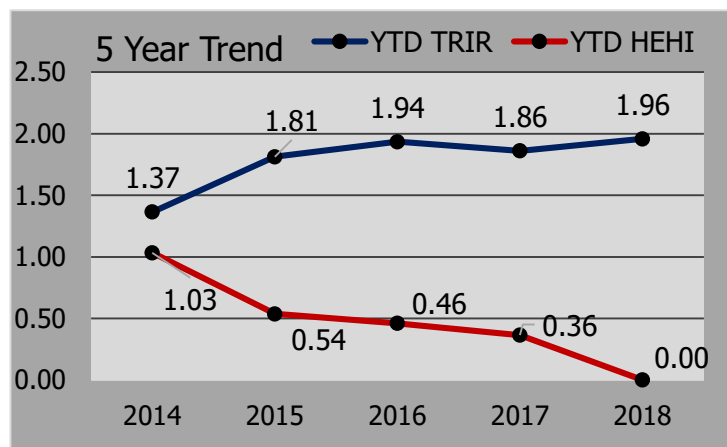
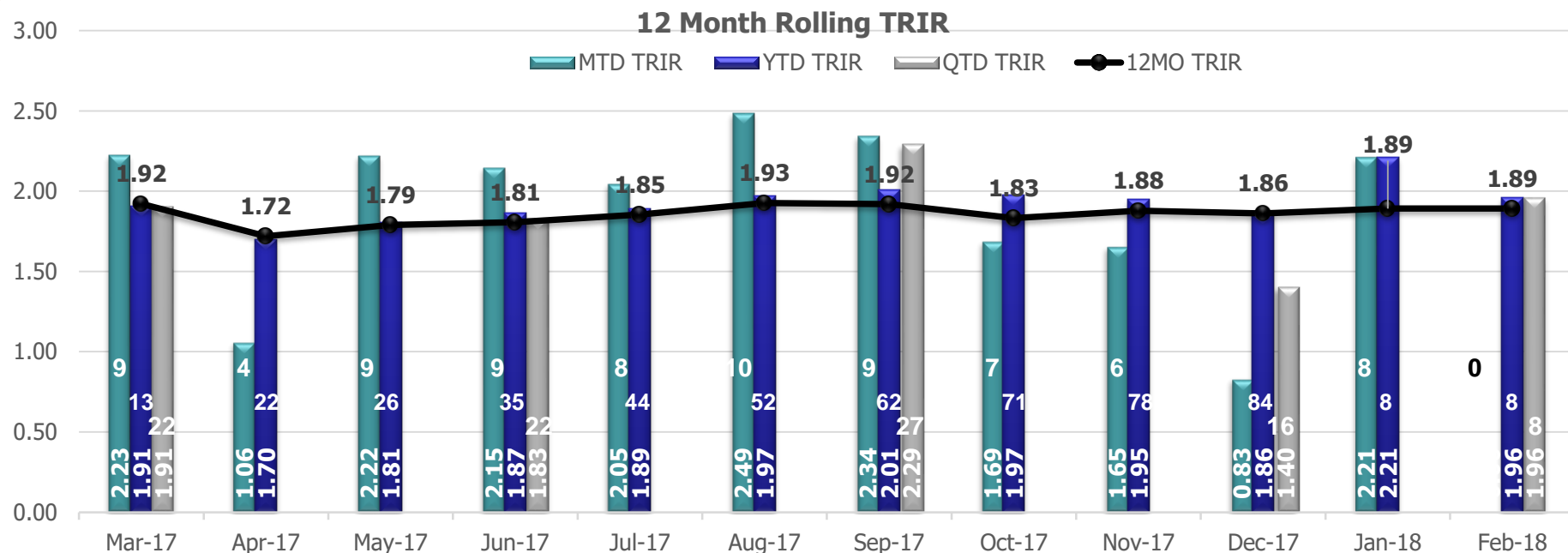
Day of the Year 35	FMMO Employees working Safely (Reportable Injuries Only)			DAYS W/O LTA	Hrs W/O LTA	Days W/O Rec.	Hrs W/O Rec.
	TOTAL	MTD	YTD				
Number	3,340	3,340	3,334	39	816,814	5	116,688
Rate							

REPORTABLE INJURY RATE TRIR				Lost Time Injury Rate LTIR				Property Damage Rate PDIR				High Energy High Impact HEHI Events			
MTD	YTD	QTD	Target	MTD	YTD	QTD	Target	MTD	YTD	QTD	Target	MTD	YTD	QTD	Target
0	8	8	1.69	0	0	0	0.53	5	49	49	12.31	0	0	0	0.43
0.00	1.96	1.96		0.00	0.00	0.00		10.71	12.00	12.00		0.00	0.00	0.00	

21 Total Injuries

8 Reportable Injury

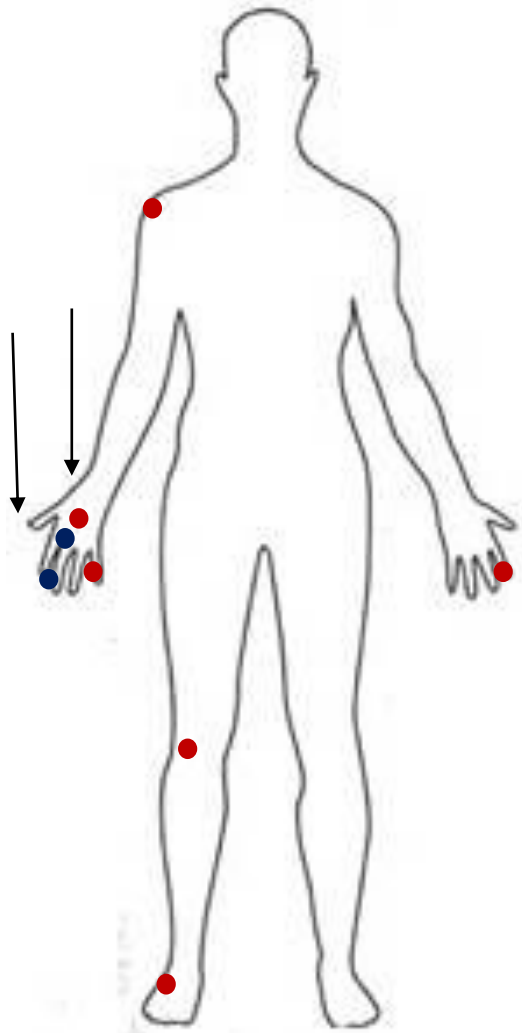
Safety Dashboard as of 2/4/2018



Injury Report

Incident Date	Incident Type	Organization/ Division	Short Description
1/23/2018	First Aid	Processing Hydromet	While adjusting a copper pre-strip, employee was bent over and pushing pre-strip with nodule knocker and felt pain in his back.
1/24/2018	First Aid	Processing Morenci Concentrator	An employee attempted to open the guard/gate to the #2 ball mill discharge box when the guard struck her hand.
1/29/2018	Medical Treatment	Mine Mine Maintenance	An employee was removing a hose when he was sprayed with pressurized oil.
1/30/2018	Medical Treatment	Contractor Townsite	A Velocity employee was cutting wood with a 10 inch table saw when the blade caught the glove and pulled his hand, cutting the tips of the index and middle fingers.
1/31/2018	First Aid	Processing Maintenance Services	The 37 Locomotive derailed and landed down an embankment just south of the MW&E rail crossing. The brakeman jumped off the train and experienced pain in his knee.
1/31/2018	First Aid	Mine Mine Maintenance	An electrician was working at the 18R drill when a grease line pressurized by an air pump blew striking him in the hand and covering him in grease.
2/03/2018	First Aid	Mine Haulage	An employee was attempting to manually raise the boarding ladder and felt pain in his abdomen.
2/04/2018	First Aid	Mine Haulage	An employee was crouched down to pass under the steering cylinder on 645HT when he stood up and hit his head.

Reportable Injuries – Top Injuries



Nature of Injury	Total No. of Injuries		Medical Treatment	Restricted Duty	Lost Time
Cut/Laceration	2	25%	2		
Sprain/Strain	2	25%		2	
Abrasion	1	13%	1		
Amputation	1	13%	1		
Avulsion	1	13%		1	
Fracture	1	13%	1		

● = Last two week's injuries

● = Year to date injuries.

Part of Body by Classification of Injury	Total No. of Injuries		Medical Treatment	Restricted Duty	Lost Time
Finger	3	38%	2	1	
Face	1	13%	1		
Foot	1	13%	1		
Hand	1	13%	1		
Knee	1	13%		1	
Shoulder	1	13%		1	

Medical Treatment

Incident Detail

Date 01.29.2018 (night shift 1/28)
Organization Mine
Division Mine Maintenance

Potential Risk	3 Consequence	2 Likelihood	6 - Monitor Potential Risk
----------------	------------------	-----------------	-------------------------------

Brief Description

Two employees were working on the truck steering system and a leaking hose was found on the system. The hose needed to be changed out; one employee proceeded to get a new hose for the change-out while the other employee was still removing the hose that needed to be changed. The hose was still under accumulator pressure and was not bled out. As soon as the bolts were loosened, the high pressured oil sprayed on the employee who was working on removing the hose resulting in abrasions on the face. Employee was taken to the clinic for medical care and flown out for advanced care.



Medical Treatment

Incident Detail

Date	01.30.2018		
Organization	Contractor		
Division	Townsite		
Potential Risk	3	2	6 - Monitor
	Consequence	Likelihood	Potential Risk
Brief Description	The Velocity Builders employee was cutting a piece of wood with a 10 inch table saw. As he was cutting, the saw blade hit his glove and pulled his right index and middle fingers into the blade, cutting the tips of both fingers. The employee received 5 stitches to tip of the middle finger and a Band-Aid was applied to the tip of the index finger.		



First Aid

Incident Detail

Date 01.31.2018
Organization Processing
Division Maintenance Services

Potential Risk	3 Consequence	2 Likelihood	6 - Monitor Potential Risk
----------------	------------------	-----------------	-------------------------------

Brief Description

Operator of the 37 Locomotive was traveling south on the mainline towards the lower scale yard. The locomotive started gaining speed just south of the Columbine gate area and the operator made an attempt to slow the locomotive using the braking systems. The locomotive could not slow down. The operators jumped off the locomotive resulting in a runaway Locomotive. The locomotive derailed and came to rest next to the tracks down an embankment.



Contractor On-Boarding and Up-Dating

- Bryon Wiley – Safety
- Christina Seballos – Environmental
- Dusty Gatlin – Training
- Victoria Broz – Contract Administration
- Gay Cole – Contracts Management

■ Processing

- Morenci Mill/Filter Plant/Moly Plant/CLP – **Cliff Mull**
928-965-2530
- Metcalf Mill/Tailings– **Deborah Kamba**
928-965-4035
- Hydromet – **James Giacoletti**
928-965-5677
- C&C – **Frank Maldonado**
928-965-0219
- Maintenance Services – **George Connell**
928-965-2047

■ Processing Cont.

- Administration – **Estevan Varela**
928-965-0542
- Leaching – **Jessica Rodriguez**
928-965-6104

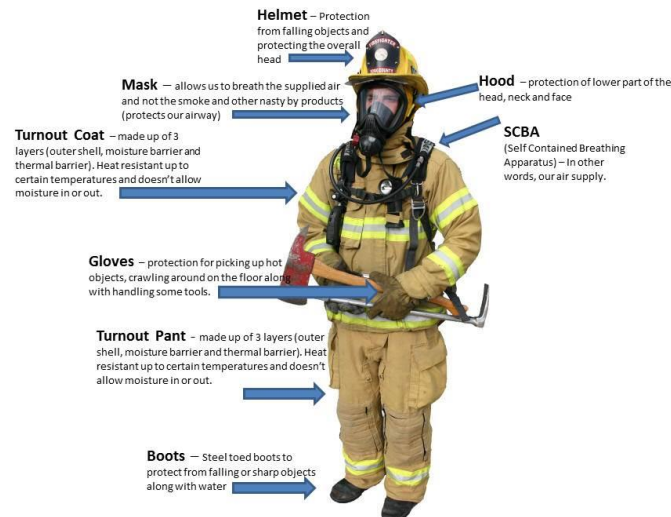
FMMO Safety Departments/Contacts

■ Mine

- Haulage/Resource Management – **Danny Leyvas**
928-965-0292
- Mine Shops – **Garrit Culver**
928-965-4890
- Fragmentation & Loading – **John Koon**
928-215-0547

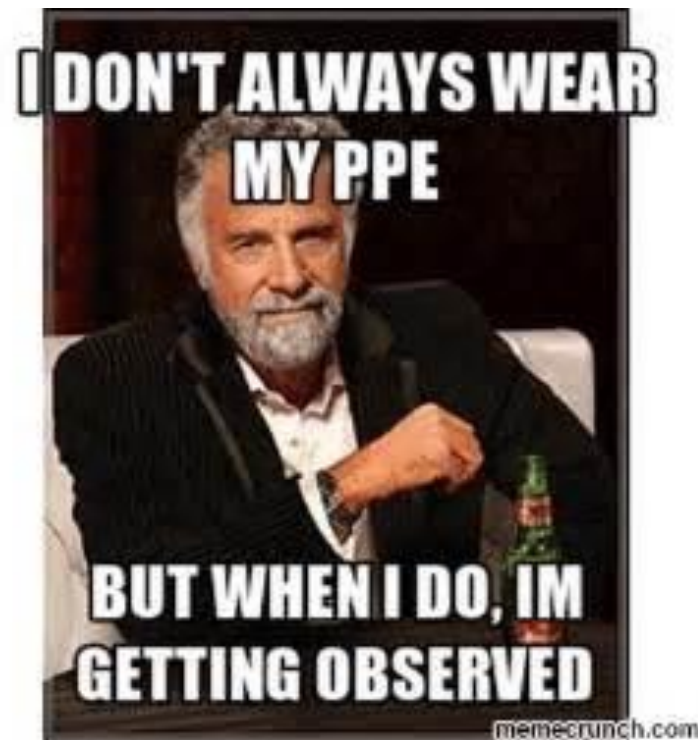
5.15 Personal Protective Equipment (PPE)

All contractors are responsible for providing and ensuring use of the required personal protection equipment. Each work area will be reviewed as to the hazards present, and appropriate PPE to control these hazards will be provided. Wearing jewelry is not permitted in areas where moving parts or equipment is located and/or where chemicals are being used. Consult site safety practices for guidance.



5.15 Personal Protective Equipment (PPE)

This section establishes the minimum requirements of personal protective equipment to be used. As applicable, equipment complying with OSHA/MSHA/NIOSH/ANSI criteria shall be used.



5.15 Personal Protective Equipment (PPE)

5.15.1 Head Protection

- The wearing of approved, non-conductive, safety hats, classes E (electrical) or G (general) or above is mandatory in all project areas 100% of the time. Refer to ANSI Z89.1, "Safety Requirements for Industrial Head Protection." Aluminum hard hats are not allowed.
- All PPE shall be visually inspected by the employee before use and after any event which may have adversely affected the PPE.
- Nothing shall be worn between the helmet and head unless approved by Project Manager or his delegate.

5.15 Personal Protective Equipment (PPE)

5.15.2 Eye and Face Protection

- Safety glasses with side shields will be provided by the contractor and are mandatory at all times. Mirrored and dark safety lenses are prohibited indoors.



5.15 Personal Protective Equipment (PPE)

- All work areas require 100% eye protection 100% of the time. Minimum eye protection includes approved safety glasses with side shields or mono-goggles meeting the standards specified in ANSI Z87.1-2015, or equivalent international standard, “Practice for Occupational and Educational Eye and Face Protection.” The contractor shall ensure that the protective equipment is adequate and effective for the hazard(s) present—for example, a splash shield is not the same as an impact-resistant shield.

5.15 Personal Protective Equipment (PPE)

Additional eye and face protection shall be worn by employees when:

- Welding, burning or cutting with torches
- Using abrasive wheels, grinders or files
- Chipping concrete, stone or metal
- Working with any materials subject to scaling, flaking or chipping
- Drilling or working under dusty conditions

5.15 Personal Protective Equipment (PPE)

Additional eye and face protection shall be worn by employees when:

- Abrasive or water blasting
- Waterproofing
- Working on energized switchboards
- Using explosive-actuated fastening or nailing tools
- Working with compressed air or other gases
- Working with chemicals or other hazardous materials
- Working near any of the operations listed above

5.15 Personal Protective Equipment (PPE)

5.15.3 Respiratory Protection

These following practices detail requirements for respirator use to protect workers against the inhalation of harmful air contaminants in the workplace:



5.15 Personal Protective Equipment (PPE)

- Development of a **written respiratory protection** policy for the selection and use of respirators that specifies which respirator to use under specific conditions.
- Long hair is to be contained or secured.

5.15 Personal Protective Equipment (PPE)

- Development and implementation of procedures for medical evaluation of each worker required to use respiratory equipment (**Note:** Medical clearance is required prior to respirator use). An implemented respirator fit test program which is done at the time a respirator is issued to a worker, and annually thereafter for all "tight fitting" respirators. **NOTE:** each worker who will wear a tight fitting respirator must have proof of medical clearance and documentation for their fit test which identifies the make, model, and size of respirator before being allowed to work in areas where respiratory protection is required.

5.15 Personal Protective Equipment (PPE)

- Development and implementation of **initial and annual training** for workers on the proper use and limitations of respirators to be used for routine or emergency work, with training including respirator selection, functions and limitations of individual respirator types.



5.15 Personal Protective Equipment (PPE)

- Development of fit-check procedures to be taught to each individual required to wear a respirator.
- Development of procedures and schedules for cleaning, disinfecting, storing, inspecting, repairing, discarding and otherwise maintaining respirators.
- Identification of, and communication on, workplace areas and job-specific tasks requiring respiratory protection to all employees.
- Establishment of procedural systems to ensure proper respirator usage is adhered to at all times, including policy of clean-shaven faces to ensure proper seal of respirator to face piece.

5.15 Personal Protective Equipment (PPE)

5.15.4 Hearing Conservation

The criteria and requirements for occupational noise exposures are contained in FCX policy. Employee hearing will be protected in accordance with this procedure and accepted hearing conservation measures. The hearing conservation program will include:

5.15 Personal Protective Equipment (PPE)

- A written hearing conservation plan
- Conducting a determination of job assignments that could expose a worker to noise levels above 85 dBA over an 8-hour Time Weighted Average (TWA), with hearing protection required wherever 85 dBA is exceeded. **Note:** double hearing protection is required to be provided to workers who are exposed to noise levels at or above 105 dB.

5.15 Personal Protective Equipment (PPE)

- Implementing feasible engineering and administrative controls to reduce employee exposures to 85 dBA or less
- Training on the effects of noise exposure and the proper use of earplugs and earmuffs
- Provisions for and enforcement of, the use of adequate earplugs or earmuffs for employees who work in areas exceeding 85 dBA. Pre-exposure baseline and annual audiometric hearing tests for all workers exposed to noise at or above 85 decibels (dB) as a Time Weighted Average (TWA) of 8 hours.

5.15 Personal Protective Equipment (PPE)

5.15.5 Safety Shoes

Safety boots/shoes as appropriate for the work location are required. Bare feet, tennis shoes, sandals, Docksidors, Hush Puppies or other footwear that doesn't meet the standard are prohibited. **Metatarsal protection shall be worn for certain operations as required, specifically when operating tamping equipment and where employees handle or carry heavy tools or objects.**

5.15 Personal Protective Equipment (PPE)

5.15.6 Gloves and Hand Protection

Appropriate gloves shall be provided and worn when handling hazardous objects or substances that could cut, tear, burn, be absorbed through the skin or otherwise injure the hands or health of workers.

5.15 Personal Protective Equipment (PPE)

5.15.7 Other Personal Protective Equipment

Other required equipment to be used under unusual circumstances such as high temperature work, handling corrosive liquids, etc., not specifically covered in this section shall be reviewed by the site project manager with the contractor and will be furnished by the contractor when required.

5.15.8 Maintenance

Personal protective equipment shall be destroyed if it has been altered in any manner so as to reduce its effectiveness.

2018 Contractor Monthly Safety Meeting Schedule Freeport Morenci

[illegible]

Living the Vision

- Positive Recognition
- Who want's next month's Special Presentation?

