

August Contractor Safety Meeting

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Health & Safety Specialist

August 13, 2019



**PROVEN ASSETS.
FUNDAMENTAL VALUE.**

Meeting Agenda

- **Safety Share**
- **Emergency Exits/Meeting Point**
- **Cell Phones**
- **Facilities**
- **This months focus**
 - **Special Presentation – Kurt Reichard – Rain 4 Rent**
 - **Branch Performance**
 - **Environmental Share**
 - **Contractor Performance**

Rain 4 Rent

Welcome Kurt Reichard

Rain 4 Rent

Environmental Share

What We Do Environmental Services

Morenci
Environmental
Services

August
2019



- Develop and maintain Environmental Permits for mining operations, including exploration activities.
- Assist our operations to comply with all applicable environmental laws and regulations.
- Preventing pollution and environmental impacts using risk management strategies.
- Act as an environmental liaison between the Environmental Services Department and the Morenci employees.
- Educating and training employees and contractors to complete tasks in an environmentally responsible manner.
- Assisting all employees and contractors to achieve ISO 14001 environmental policy, initiatives, objectives and targets.
- Maintain a wildlife program to comply with federal regulations.

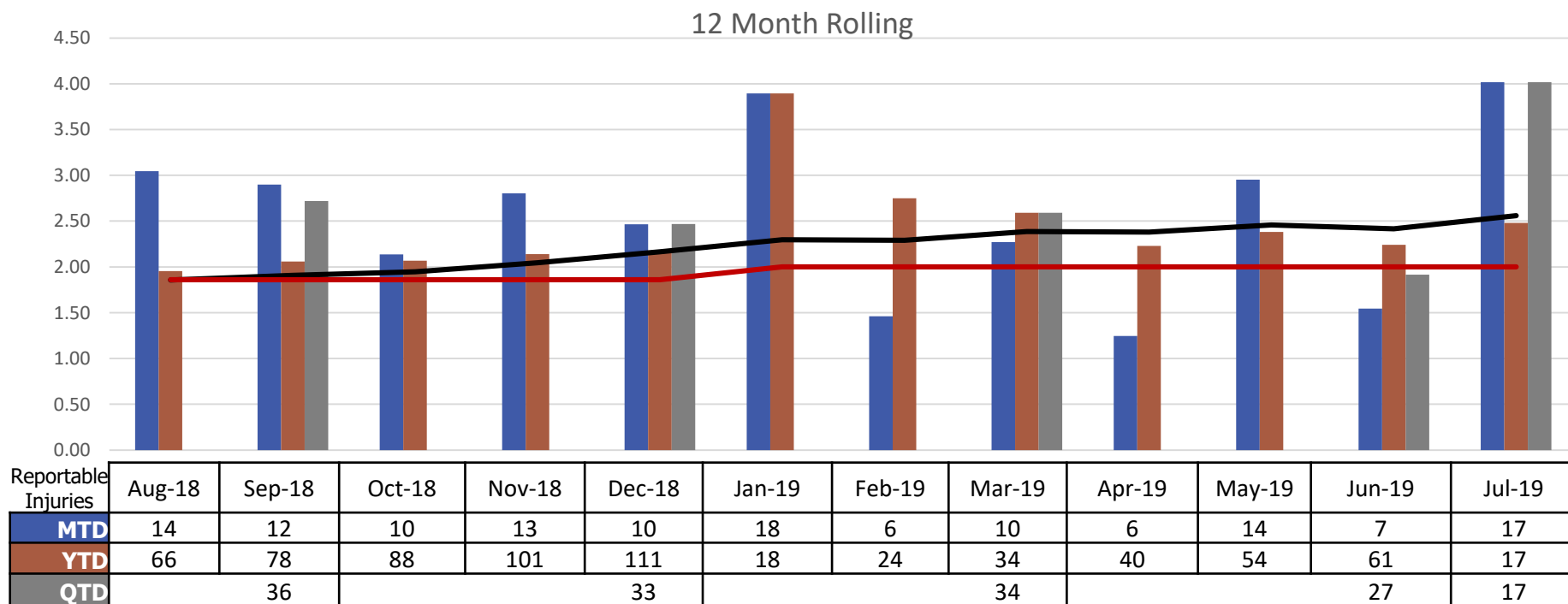
Report all spills outside of normal operations. If you find a spill, please contact the Spill Hotline 865-SPIL (7745), or Supervisor. Environmental Services (928) 865-6000



Safety Dashboard as of 7/28/2019

BRANCH W/O LOST TIME INCIDENT		BRANCH W/O MT or RD INCIDENT		Year to date Reportable Injuries	Year to date Total Injuries
Day	Hours	Day	Hours		
17	513,682	3	90,650	78	245

REPORTABLE INJURY RATE TRIR				Lost Time Injury Rate LTIR				Property Damage Rate PDIR				Monitor & Actionable Events			
MTD	YTD	QTD	Ceiling	MTD	YTD	QTD	Ceiling	MTD	YTD	QTD	Ceiling	MTD	YTD	QTD	Ceiling
17	78	17	2.00	3	13	3	0.54	58	481	58	9.97	4	13	4	0.46
4.02	2.48	4.02		0.71	0.41	0.71		13.71	15.30	13.71		0.95	0.41	0.95	



Injury Report I

Incident Date	Injury Classification	Organization	Division	Short Description
7/15/2019	First Aid	Contractor Organization	Townsite	Employee was on duty at the outside pool when a bee stung right side rib cage.
7/15/2019	First Aid	Administration Organization	Townsite	Employee was outside of the Townsite Maintenance office when a small black bee flew down collar of shirt and stung arm 5 times.
7/16/2019	First Aid	Administration Organization	Human Resources	An employee was walking to the stairs and a bee stung them in the neck.
7/17/2019	First Aid	Mine Organization	Frag - Loading/ Support	Employee was sitting outside of the auditorium when a wasp stung them on the left forearm.
7/17/2019	First Aid	Processing Organization	Maintenance Services	Employee was shoveling material along the S12 conveyor belt when they were stung by a bee in the back of the neck.
7/17/2019	Restricted Duty	Mine Organization	Haulage	Employee stated they were backing into the 46 shovel to be loaded when the dipper tripped and dropped the dipper load onto the dovetail of the haul truck causing the bed to raise and slam back down.
7/18/2019	First Aid	Processing Organization	Leaching	Employee was stung by a bee while seated in the transfer van.
7/18/2019	First Aid	Processing Organization	Metcalf Concentrator	Employee was out at the NE Booster performing LOTOTO when they were stung by a wasp.
7/18/2019	First Aid	Mine Organization	Haulage	The operator of HT596 discovered a bite on their right calf.
7/18/2019	Restricted Duty	Contractor Organization	Maintenance Services	Employee climbed on the bumper on the back of the LV564 to get out the tie down chains and felt their right knee pop.
7/18/2019	First Aid	Processing Organization	Crush & Convey	Employee was doing clean up work at the P-10 conveyor when they were stung by a scorpion.
7/19/2019	Restricted Duty	Processing Organization	Hydromet	Late report: employee was getting tools from truck and heard their knee pop. Employee continued working and reported knee pain the following day.
7/19/2019	Occupational Illness	Processing Organization	Morenci Concentrator	Employee stated they were working on cleaning a discharge box for the section 1 ball mills when they became hot and dizzy.

Injury Report II

Incident Date	Injury Classification	Organization	Division	Short Description
7/20/2019	First Aid	Contractor Organization	Leaching	Employee was walking across the leach pad and tripped, falling on their left wrist causing pain.
7/22/2019	Restricted Duty	Contractor Organization	Crush & Convey	Employee was stepping down from the cab of a GapVax Unit and rolled their ankle.
7/22/2019	Medical Treatment	Contractor Organization	Townsite	While removing a door frame the swinging sledge hammer missed its target and struck a person.
7/23/2019	First Aid	Processing Organization	Metcalf Concentrator	Midway through shift employee felt burning sensation in upper portion of foot and noticed a blister beginning to form.
7/23/2019	Restricted Duty	Processing Organization	Leaching	Employee picked up two cases of bottled water and felt a sharp pain in his lower back.
7/23/2019	Restricted Duty	Mine Organization	Haulage	Employee was attempting to pick up a 50lb bag of floor dry and felt pain in their left wrist and shoulder.
7/24/2019	First Aid	Processing Organization	Maintenance Services	Employee was working at the top of the P6 when a rock came off the belt and made contact with the employee's right hand. Employee applied ice and no further treatment was needed.
7/25/2019	First Aid	Processing Organization	Crush & Convey	While inspecting the Metcalf secondary area for a future job assignment, employee could smell a cleaning chemical and stated they did not feel well.
7/25/2019	Restricted Duty	Processing Organization	Metcalf Concentrator	While replacing the floor after a main frame replacement employees were lifting the grating to place them back, the grating did not sit right and flipped through the opening coming back and hitting the employee's right knee.
7/25/2019	First Aid	Mine Organization	Haulage	Employee stated they were driving down the 801 early in their shift and believes they hit a pothole or a hard knob and the seat bottomed out. The employee stated they felt pain but continued to drive.
7/26/2019	First Aid	Mine Organization	Haulage	Employee driving HT525 hit a pot hole while enroute to get loaded at the 45 shovel and stated they experienced lower back pain.
7/26/2019	First Aid	Processing Organization	Hydromet	Late report: An employee claims they were climbing a set of stairs in the tank house on 7/26 when their boot got caught and they felt pain in their hip. Employee went home and reported it the following day.
7/27/2019	First Aid	Mine Organization	Frag-Loading/ Support	An electrical issue on a dozer caused smoke to form. The operator of the dozer breathed in some of the smoke and was taken to the clinic for evaluation.

Introduction

Handling and storing materials involve diverse operations such as hoisting tons of steel with a crane; driving a truck loaded with concrete blocks; carrying bags or materials manually; and stacking palletized bricks or other materials such as drums, barrels, kegs, and lumber.

What are the potential hazards for workers?

Other hazards include falling objects, improperly stacked materials, and various types of equipment. Employees must be aware of potential injuries that can occur when manually moving materials, including the following:

- **Strains and sprains from lifting loads improperly or from carrying loads that are either too large or too heavy,**
- **Fractures and bruises caused by being struck by materials or by being caught in pinch points, and**
- **Cuts and bruises caused by falling materials that have been improperly stored or by incorrectly cutting ties or other securing devices.**

Precautions

Workers should always wear appropriate personal protective equipment and use proper lifting techniques.

To prevent injury from oversize loads, workers should seek help in the following:

- **When a load is so bulky that employees cannot properly grasp or lift it,**
- **When employees cannot see around or over a load, or**
- **When employees cannot safely handle a load.**

Mechanical Uses

What precautions should workers take when moving materials mechanically?

- **Avoid overloading equipment when moving materials mechanically by letting the weight, size, and shape of the material being moved dictate the type of equipment used.**
- **Ensure that the equipment-rated capacity is displayed on each piece of equipment and is not exceeded except for load testing.**
- **Take precautions when stacking and storing material.**

Who would this standard affect?

- Employees designated to move and stack material
- Personnel that move throughout a warehouse
- Delivery personnel
- Employees that gain access to material
- Everybody that comes in close proximity to material that is handled or stored



Basic Requirements of Subpart N

- Proper industrial trucks
- Proper use of industrial trucks
- Operator training
- Walkways and travel controls
- Proper storage locations
- Secure storage
- Understand overhead crane precautions
- Guarding



Material Considerations

- **What materials are handled?**
 - Are they hazardous chemicals?
 - Is the material bulky and hard to stack?
 - Is there enough room to move the material around?
 - Will the material need to be secured?



Moving and Stacking Considerations

- What type of powered industrial truck will be the safest to use?
 - Forklifts?
 - Platform lifts?
 - Motorized hand trucks?



Powered Industrial Truck Considerations

- **Is the powered industrial truck approved by part II, of the ANSI B56.1 - 1969?**
 - There must be a label or some other identifying mark indicating approval by this testing laboratory
- **Is there sufficient room for the truck to operate?**



Powered Industrial Truck Considerations

- **Are specific safety considerations addressed?**
 - As stated in the OSHA 1910.178 (b), there are eleven different designations of industrial trucks, they are as follows; D, DS, DY, E, ES, EE, EX, G, GS, LP, and LPS



Powered Industrial Truck Considerations

- **Be sure to research which industrial truck is approved for the area and material you handle by referencing the OSHA 1910.178 (b) section**
 - For instance,,, you may create a hazardous atmosphere with using a G classified (gas) truck in an enclosed room or building and the DY classified trucks do not have any electrical equipment as a safeguard



Industrial Truck Considerations

- No modifications that affect capacity and safe operation are allowed without manufacturer's prior written approval
- Warning markings must be maintained legible



Powered Industrial Truck Considerations

- **Training - as described in 1910.178 (I)**
 - **Each operator must be competent to operate an industrial truck safely**
 - **Refresher training is required for various reasons stated in this section but at minimum every 3 years**



Travel-way Considerations

- **Will the industrial truck travel near walkways on a regular basis?**
 - **If this is the case, paint stripes should be used to designate walkways**
 - **Administrative controls should also be used**
 - **Employees are instructed to stay on the walkways**
 - **Operator instructed to honk horn on blind corners etc.**



Side Note

The **General Duty Clause** should be strongly considered when addressing this standard. There are too many possible scenarios to be covered specifically, when it comes to storing and handling material.

Storage Considerations

Fuel handling and storage

- The handling and storage of liquid fuel shall be in accordance with NFPA No. **30** – 1969



Storage Considerations

- Is the storage area lighted adequately?
- Is there a need to control noxious gases or fumes?
- Does the storage area create emergency escape hazards?



Storage Considerations

- Is the stored material secure against sliding or collapse?



Q/A

- **What type of trucks do you use at your location?**
- **Are they marked with the ANSI approval?**
- **Is training provided?**

Summarize

- **Choose the proper industrial truck**
- **Industrial truck training**
- **Travel-ways and walkways**
- **Storage must be secured if unstable**
- **Storage must not create a hazard**

Contractor First Report of Incident

Contractors First Report Of Incident

Morenci Operations

[Clear Form](#)

Incident Reporting Form (IRF)

[Print](#)

[Email to FMI Safety](#)

Information contained within this report may be confidential in nature and should only be distributed as necessary to communicate critical details of the event. All documents (Statements, photos, and and this form) will need to be sent to the appropriate FMI safety professional.

GENERAL INCIDENT INFORMATION					
Incident type:	<input type="text"/>	Injury Type:	<input type="text"/>	Date of Report:	<input type="text"/>
Date of Incident:	<input type="text"/>	Time of Incident:	<input type="text"/>	Reported By:	<input type="text"/>
Responding HS-3:	<input type="text"/>	Contracting Company:	<input type="text"/>		
Responding Safety:	<input type="text"/>	Supervisor Name/ID#:	<input type="text"/>		
Organization:	Contractor	Supervisor Contact #:	<input type="text"/>		
Division:	<input type="text"/>	FMI Area Contact:	<input type="text"/>		
Department:	<input type="text"/>	Crew:	<input type="text"/>		
Exact Location:	<input type="text"/>				
Geotags:	Latitude:	<input type="text"/>	Longitude:	<input type="text"/>	<input type="text"/>
DETAILED INCIDENT INFORMATION					
Detailed Description:	<input type="text"/>				
Immediate Actions:	<input type="text"/>				
Critical Lessons:	<input type="text"/>				
Potential Risk Rating:	Potential Consequence:	<input type="text"/>	Potential Frequency:	<input type="text"/>	Risk Category:
Fatal Risks:	<input type="text"/>				
Energy Source:	<input type="text"/>	Energy Level:	<input type="text"/>		
Agent Involved:	<input type="text"/>				
PROPERTY INFORMATION					
EQUIPMENT 1:	<input type="radio"/> DAMAGED <input type="radio"/> INVOLVED	EQUIPMENT 2:	<input type="radio"/> DAMAGED <input type="radio"/> INVOLVED		
Property Description (make, model, etc.):	<input type="text"/>		Property Description (make, model, etc.):	<input type="text"/>	
Property ID Number:	<input type="text"/>		Property ID Number:	<input type="text"/>	
Property Owner:	<input type="text"/>		Property Owner:	<input type="text"/>	
Description of Damage:	<input type="text"/>		Description of Damage:	<input type="text"/>	
Comments:	<input type="text"/>		Comments:	<input type="text"/>	

Contractors First Report of Incident (back page)

Incident Reporting Form (IRF)

Morenci Operations

[Clear Form](#)

Information contained in this report is confidential by nature and should only be distributed to the appropriate personnel. All documents (statements, photos and this form) will need to be sent to the appropriate FMI safety professional.

[Email This Form](#)

INJURED EMPLOYEE DATA – CONFIDENTIAL – DO NOT DISTRIBUTE (send to lludvigs@fmi.com, asammito@fmi.com and SafetyOn_Call@fmi.com only)					
Name:	<input type="text"/>	Age:	<input type="text"/>	Employee Experience:	Years <input type="text"/> Months <input type="text"/>
Employee ID:	<input type="text"/>	Gender:	<input type="radio"/> M <input type="radio"/> F	Job:	<input type="text"/>
Job Title:	<input type="text"/>	Date of Birth:	<input type="text"/>	Site:	<input type="text"/>
Contact Phone:	<input type="text"/>	Last 4 of SS#:	<input type="text"/>	Industry:	<input type="text"/>
Nature of Injury:	<input type="text"/>	Mechanism of Injury:	<input type="text"/>		
Severity of Injury:	<input type="text"/>	Part of Body:	<input type="text"/>	Side of Body:	<input type="text"/>
Employee's Next Scheduled Shift:	Date: <input type="text"/>	Shift:	<input type="text"/>		
Treated Onsite:	<input type="radio"/> YES <input type="radio"/> NO	Treatment:	<input type="text"/>		
Treated Offsite:	<input type="radio"/> YES <input type="radio"/> NO	Treatment:	<input type="text"/>		
Air/ Ambulance Transfer:	<input type="text"/>	Location:	<input type="text"/>		
<p>Notification of an injury following air, ambulance transfer, and/or hospitalization:</p> <ol style="list-style-type: none"> Immediately contact the FMI On-Call Safety Professional at 928-965-6605 Email a short note regarding the incident to the following individuals: <ul style="list-style-type: none"> i. jedwards@fmi.com ii. tzaytsov@fmi.com iii. rfrancis1@fmi.com iv. bwiley@fmi.com v. tsmith2@fmi.com 					
INVOLVED DATA (Include individuals directly involved but NOT injured)					
Name	Job Title	Employee ID	Gender	Job Experience (Years/Months)	
			<input type="radio"/> M <input type="radio"/> F	Job	Site
			<input type="radio"/> M <input type="radio"/> F	Industry	
			<input type="radio"/> M <input type="radio"/> F		
			<input type="radio"/> M <input type="radio"/> F		
			<input type="radio"/> M <input type="radio"/> F		
			<input type="radio"/> M <input type="radio"/> F		
WITNESS DATA					
Name	Job Title	Employee ID	Gender	Job Experience (Years/Months)	
			<input type="radio"/> M <input type="radio"/> F	Job	Site
			<input type="radio"/> M <input type="radio"/> F	Industry	
			<input type="radio"/> M <input type="radio"/> F		
			<input type="radio"/> M <input type="radio"/> F		
			<input type="radio"/> M <input type="radio"/> F		
			<input type="radio"/> M <input type="radio"/> F		
INVESTIGATION DOCUMENTATIONS					
PHOTOS:	<input type="radio"/> YES <input type="radio"/> NO	COMMENTS:			
STATEMENTS:	<input type="radio"/> YES <input type="radio"/> NO				
INSPECTION RECORDS:	<input type="radio"/> YES <input type="radio"/> NO				
OTHER: (if yes, please describe)	<input type="radio"/> YES <input type="radio"/> NO				



PROVEN ASSETS.
FUNDAMENTAL VALUE.