

# Monthly Contractor Safety Meet

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**PROVEN ASSETS.  
FUNDAMENTAL VALUE.**

# June 2019 Contractor Safety Topics



- **Run Down:**
  - **Problems with Heat**
  - **How to stay safe in the hot summer**
  - **Interns**
  - **Buggy whips and headlights**
  - **Morenci Safety Production Communication**
  - **Incident Reporting Forms and HIPAA**
  - **Fit for Duty**
  - **Morning warm ups**

# What is the Climate like in the Summer?

- **Morenci:**
  - June: 98 F
  - July: 99 F
  - Aug: 96 F
- **Precipitation: Expect most rain in July and August**



# Health Effects of Heat

HEAT EXHAUSTION	OR	HEAT STROKE
Faint or dizzy		Throbbing headache
Excessive sweating		No sweating
Cool, clammy skin		Red, hot, dry skin
Nausea or vomiting		Nausea or vomiting
Rapid, weak pulse		Rapid, strong pulse
Muscle cramps		May lose consciousness
<ul style="list-style-type: none"> <li>• Get to a cool shaded area or air-conditioned place</li> <li>• Drink water if fully conscious</li> <li>• Take a cool shower or use cold compresses</li> </ul>	 <ul style="list-style-type: none"> <li>• Call 9-1-1</li> <li>• Take immediate action to cool the victim by any means until help arrives (ice bath, cold towels, etc.)</li> </ul>	

# Heat stroke symptoms

- High body temperature. A core body temperature of 104 F (40 C) or higher.
- Altered mental state or behavior. Confusion, agitation, slurred speech, irritability, delirium, seizures and coma can all result from heatstroke.
- Alteration in sweating.
- Nausea and vomiting
- Flushed skin.
- Rapid breathing. Racing heart rate.
- Headache.





# How to treat a Heat Stroke

- Get the person into shade or indoors.
- Remove excess clothing.
- Cool the person with whatever means available — put in a cool tub of water or a cool shower, spray with a garden hose, sponge with cool water, fan while misting with cool water, or place ice packs or cold, wet towels on the person's head, neck, armpits and groin.



# Symptoms of Heat Exhaustion

- **Cool, moist skin with goose bumps when in the heat**
- **Heavy sweating**
- **Faintness**
- **Dizziness**
- **Fatigue**
- **Weak, rapid pulse**
- **Low blood pressure upon standing**
- **Muscle cramps**
- **Nausea**
- **Headache**



# How to treat Heat Exhaustion

- Move the person out of the heat and into a shady or air-conditioned place.
- Lay the person down and elevate the legs and feet slightly.
- Remove tight or heavy clothing.
- Have the person drink cool water or other nonalcoholic beverage without caffeine.
- Cool the person by spraying or sponging with cool water and fanning.
- Monitor the person carefully.





# Electrolyte Replenishment



# Buggy whips

- **Pick up Trucks = small vehicles**
  - **Small Vehicles need Buggy Whips**





# Vehicles on Mine Property

- **ALL vehicles on mine property (which includes the processing site) must have head lights on at all times.**



# Welcome the Interns!



**Congratulations on this opportunity  
Make sure to be helpful!!!**



# Safety Production Communication



Morenci Safe Production Communication  
May 24, 2019

Without Lost Time Injury: 70 Days 1,831,758 Hours Worked YTD Total Reportable Injuries 43  
Without RD/MT Injury: 0 Days 0 Hours Worked YTD Total Injuries 152

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
7	43	12	2.00	0	3	0	0.54	62	327	136	9.97	1	8	3	0.46
1.92	2.01	1.43		0.00	0.14	0.00		17.05	15.26	16.23		0.27	0.37	0.36	

Incident Review				
Date	Incident	Organization	Fatal Risk Present	Short Description
05/23/2019	Restricted Duty	Contractor Organization	No Fatal Risks	An employee lost their footing causing them to fall forward, landing on a metal hole cover with their left knee.
05/23/2019	Property Damage	Contractor Organization	No Fatal Risks	WIRC employee driving LV1925 struck a metal pipe causing a small crease in the left hand side of the front bumper.
05/23/2019	Property Damage	Processing Organization	No Fatal Risks	Employee was operating a Tel005A forklift dumping trash when the load shifted hitting the light on the forklift breaking it.
05/23/2019	Near Miss	Processing Organization	No Fatal Risks	Employee felt a crack in his knee while stepping out of the van. Employee did not want medical treatment.

Fatal Risk Information	
No Fatal Risks present for incident review	

Process KPI's	Daily	MTD/AVG	Daily Target
Total Tons Mined (tpd)	792,456	759,967	789,601
Total Tons Crushed/Primary (dtpd)	229,900	207,200	227,700
Total Tons Stacked (dtpd)	56,000	70,200	57,800
Mill Throughput (dtpd)	152,179	143,764	127,391
Mill Head Grade (%Tcu)	0.56%	0.38%	0.40%
Total Salable Cu lbs Filtered	1,058,322	554,939	894,282
Total PLS Flowrate (gpm)	99,571	102,163	106,500
Leach PLS Grade (gpl)	1.77	1.69	1.56
Total Cu lbs Plated	1,872,307	1,893,142	1,830,262
Total Cu lbs Harvested	1,991,824	1,915,221	1,828,233

**Safety On-Call**  
**928-965-6605**

## Safety Share

### Fighting Fatigue

Fatigue is the condition of being physically or mentally tired or exhausted. Extreme fatigue can lead to uncontrolled and involuntary shutdown of the brain.

- Accident rates
- Property damage list
- Safety On Call Number
- Safety Share



# Safe Production Communication: May 29



## Morenci Safe Production Communication

May 29, 2019

Without Lost Time Injury: 75 Days 1,962,598 Hours Worked YTD Total Reportable Injuries 47  
Without RD/MT Injury: 1 Days 26,168 Hours Worked YTD Total Injuries 158

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
11	47	16	2.00	0	3	0	0.54	75	340	149	9.97	1	8	3	0.46
2.48	2.12	1.74		0.00	0.14	0.00		16.94	15.30	16.24		0.23	0.36	0.33	

### Incident Review

Date	Incident	Organization	Fatal Risk Present	Short Description
5/28/2019	Property Damage	Mine Organization	No Fatal Risks	Employee found damage to the rear right brake lens during pre-op inspection.
5/28/2019	Property Damage	Mine Organization	No Fatal Risks	While pulling cable up the ramp, the #5 hot stick was buried by a dozer in the berm.
5/28/2019	Property Damage	Contractor Organization	No Fatal Risks	Employees were staging material for a belt job scheduled for the 12-4 conveyor when the belt staging stand made contact with a de-energized 480 V plug causing damage to the plastic casing of the plug.

# May 29 Continued

## Fatal Risk Information

No Fatal Risks present for incident review

## Safety Share

### Complacency

Webster's Dictionary defines complacency as: ***self-satisfaction especially when accompanied by unawareness of actual dangers or deficiencies***

Complacency is perhaps one of the biggest problems we face in completing our day to day tasks. We are "used" to things being a certain way each time and unless the obvious comes right out and hits us . . . we can be oblivious to it all. This is state of mind can affect many things such as productivity, quality and safety.

#### Here is an example:

Aoccdrnig to a rscheearch at Cmabrigde Uinervtisy, it deosn't mtttaer in waht oredr the ltteers in a wrod are, the olny iprmoeint tihg is taht the frist and lsat ltteer be at the rghit pclae. The rset can be a toatl mses and you can sitll raed it wouthit porbelm. Tihs is bcuseae the huamn mnid deos not raed ervey lteter by istlef, but the wrod as a wlohe.

You probably didn't have much trouble reading that paragraph. It probably took you back at first, but then you were able to zip right through the text and understand the content. This is an example of how complacency works with our mind. We get used to words starting with certain letters and being a certain length and we skip right over it "thinking" we know what the word is.

In reading paragraphs it's not a big deal . . . however when it comes to safety, complacency can be a literal "killer" on the job. Each moment we are working with hazardous energy, whether it be a large production machine, forklift, automobile, power tools, and electricity or even walking from one end of the facility to the other, we must keep focused on the task at hand.

There is much danger in going into "autopilot" when working on the job. All too often we don't realize how complacent we are until we have a near miss or close call. Those events tend to jump start our hearts and focus our attention . . . at least for a little while, on the task at hand.

One technique found to be effective in battling complacency in your own actions is to watch the actions of other while they work. This has a dual-fold effect in that it raises your awareness as you examine the actions of a coworker as they are working and it may raise your coworker's awareness if you share with them some of the observations you made that would allow them to do their job in a safer manner. It can be a win-win.

Try this technique today as you are working and feel yourself going into the complacent state of auto-pilot. You'll find it truly can work well . . . for everyone.

# Safe Production Communication: June 3



Morenci Safe Production Communication  
June 3, 2019

Without Lost Time Injury:	<u>80</u>	Days	<u>2,093,437</u>	Hours Worked	YTD Total Reportable Injuries	<u>50</u>
Without RD/MT Injury:	<u>3</u>	Days	<u>78,504</u>	Hours Worked	YTD Total Injuries	<u>164</u>


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
0	50	19	2.00	0	3	0	0.54	6	358	167	9.97	0	8	3	0.46
0.00	2.19	1.94		0.00	0.13	0.00		18.97	15.67	17.03		0.00	0.35	0.31	



# June 3 Continued

Incident Review				
Date	Incident	Organization	Fatal Risk	Short Description
5/31/2019	Property Damage	Contractor Organization	Vehicle Impact on Person	Down Time Logistics driver set the park brake on the truck and trailer but did not set wheel chocks. The trailer started moving forward allowing the 3rd stack of concrete wall sections to hit the 4th stack, both 3rd and 4th stacks of wall sections sustained damage to the edges.
5/31/2019	Near Miss	Mine Organization	Vehicle Collision or Rollover	The 554 HT had to jump a windrow to avoid hitting the 557 HT. All trucks involved were traveling 2mph or slower.
5/31/2019	Property Damage	Contractor Organization	No Fatal Risks	A WIRC employee moved the 1822 truck and made contact with the right front bumper causing a small dent.
5/30/2019	Property Damage	Processing Organization	No Fatal Risks	A soma machine was found with a broken screen.
5/31/2019	Property Damage	Processing Organization	No Fatal Risks	A supervisor was backing up a light vehicle and hit a rack of blank cathode sheets cracking a taillight on their truck.
5/31/2019	Property Damage	Mine Organization	No Fatal Risks	Mechanic doing a pre-op inspection noticed the 994 boom stand was damaged.
6/1/2019	Property Damage	Mine Organization	No Fatal Risks	The Drill Operator walked the Drill too close to the high wall resulting in the walkway on the left side of the cab brushing against the wall lifting the walkway. The walkway lifted high enough to limit the opening of the cab door.
6/1/2019	Property Damage	Mine Organization	No Fatal Risks	The RTD operator found during the pre-op inspection, the lower right door window cracked.
6/1/2019	Property Damage	Mine Organization	No Fatal Risks	While performing the pre-op inspection, the Shovel Operator noticed fresh scrapes along the right side of the car body. The Operator also noticed several caps for the lower rollers were missing.
6/1/2019	Property Damage	Mine Organization	Uncontrolled Release of Energy	While taking a load up the HHH ramp, the HT Driver drove over a small boulder blowing out the #5 tire.
6/1/2019	Property Damage	Processing Organization	No Fatal Risks	An EW operator was using an overhead crane to lift a jumper frame when it contacted a mount for overhead lighting causing damage to a light and the jumper frame.
6/2/2019	Property Damage	Mine Organization	No Fatal Risks	The operator of the 23 Rubber Tire Dozer performed a pre-shift inspection and notified HS3 that the Sirius radio unit had been pushed into the mounting spot on roof of the dozer cab.
6/2/2019	Near Miss	Processing Organization	Uncontrolled Release of Energy	An SX operator was cleaning a gunk pump at the Metcalf SX plant when some residual pressure sprayed them with gunk. The operator was not hurt and returned to work after washing up.

# June 3 Continued

Fatal Risk Information		
Icon	Critical Control	Verification Questions
 <p>Vehicle Collision or Rollover</p>	<i>Positive Communication</i>	<ul style="list-style-type: none"> <li>✓ Am I using the required equipment for communication and is this equipment operational?</li> <li>✓ Are all positive communication protocols being followed (e.g. Passing, Distance Rule)?</li> </ul>
	<i>Road Design &amp; Maintenance</i>	<ul style="list-style-type: none"> <li>✓ Are the roads I intend to use safe for travel in current and expected weather conditions?</li> <li>✓ Are roads maintained in good condition?</li> </ul>

Safety Share
<p>Dehydration occurs when you use or lose more fluid than you take in, and your body doesn't have enough water and other fluids to carry out its normal functions. If you don't replace lost fluids, you will get dehydrated. You can reverse mild to moderate dehydration by drinking more fluids. To prevent dehydration, drink plenty of fluids and eat foods high in water such as fruits and vegetables. Letting your thirst be your guide is an adequate daily guideline for most healthy people. <i><b>What you drink today will affect you tomorrow!</b></i></p>



# Incident Reporting Forms



## 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"/>	Supervisor Name/ID#:	<input type="text"/>
Responding Safety:	<input type="text"/>	Supervisor Contact #:	<input type="text"/>	Organization:	<input type="text"/>
Division:	<input type="text"/>	FMI Area Contact:	<input type="text"/>	Department:	<input type="text"/>
Exact Location:	<input type="text"/>				
Geotags:	<input type="text"/>	Latitude:	<input type="text"/>	Longitude:	<input type="text"/>
DETAILED INCIDENT INFORMATION					
Detailed Description:	<input type="text"/>				
Immediate Actions:	<input type="text"/>				
Critical Lessons:	<input type="text"/>				
Potential Risk Rating:	<input type="text"/>	Potential Consequence:	<input type="text"/>	Potential Frequency:	<input type="text"/>
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

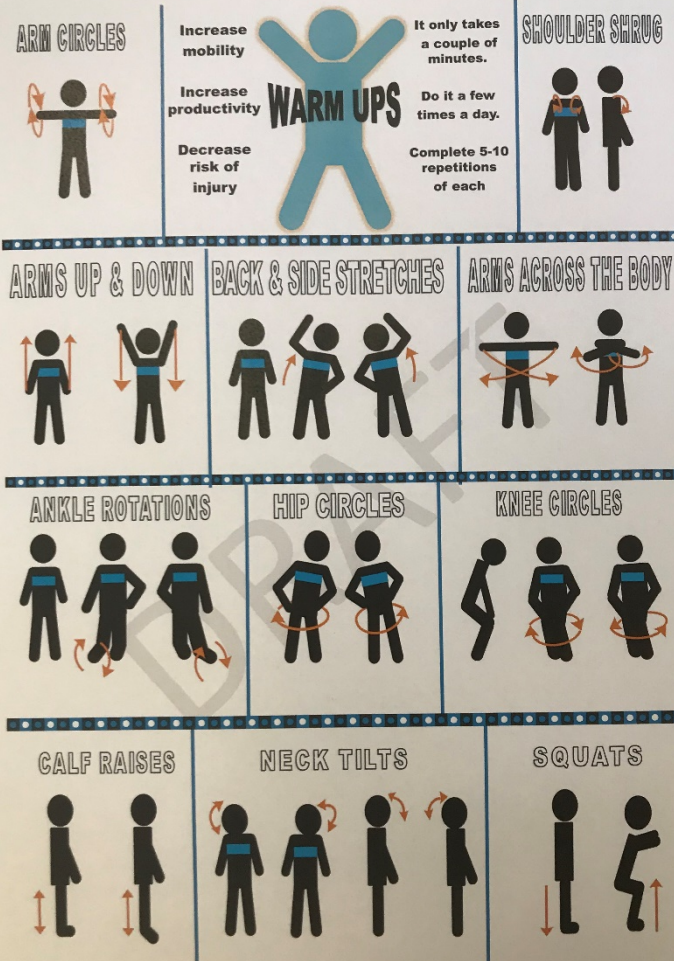
Information contained in this report is confidential by nature and should only be distributed to the appropriate personnel. All documents (statements, photos and this form) will need to be sent to the appropriate FMI safety professional.

[Clear Form](#)

[Email This Form](#)

INJURED EMPLOYEE DATA – CONFIDENTIAL – DO NOT DISTRIBUTE (send to <a href="mailto:iludvigs@fmi.com">iludvigs@fmi.com</a> , <a href="mailto:asammito@fmi.com">asammito@fmi.com</a> and <a href="mailto:SafetyOn_Call@fmi.com">SafetyOn_Call@fmi.com</a> 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 SSN:	<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><b>Notification of an injury following air, ambulance transfer, and/or hospitalization:</b></p> <p>1. Immediately contact the FMI On-call Safety Professional at 928-965-6605</p> <p>2. Email a short note regarding the incident to the following individuals:</p> <p>i. <a href="mailto:jedwards@fmi.com">jedwards@fmi.com</a> iv. <a href="mailto:bwiley@fmi.com">bwiley@fmi.com</a></p> <p>ii. <a href="mailto:traystow@fmi.com">traystow@fmi.com</a> v. <a href="mailto:tsmith2@fmi.com">tsmith2@fmi.com</a></p> <p>iii. <a href="mailto:rfrancis@fmi.com">rfrancis@fmi.com</a></p>					
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 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		
			<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 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		
			<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	<input type="text"/>			
INSPECTION RECORDS:	<input type="radio"/> YES <input type="radio"/> NO				
OTHER: (If yes, please describe)	<input type="radio"/> YES <input type="radio"/> NO				


# Industrial Athlete



# Are You Fit For Duty?







**Thank you  
Any Questions?**



**PROVEN ASSETS.  
FUNDAMENTAL VALUE.**