

# December Monthly Contractor Safety Meeting

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**Rassie Ras**

*Happy Holidays*

December 2019



**PROVEN ASSETS.  
FUNDAMENTAL VALUE.**

# To Begin

- **Bathrooms – To the front of the room**
- **Emergency Exits to the side**
- **Cellphones on silent please**
- **Safety Share anyone?**
  
- Focus this month:
  - Special Presentation – **Rory Wilson** from Ames Construction
  - Safety Production Communications
  - PFE 2019 – 18
  - Crosby Shackle Recall Notice
  - Serious Event over the Weekend
  - Staying healthy in the winter
  - Contractor FRM audit pattern findings
  - Safety Data Sheets
  - 2020 around the corner- MSHA refresher
  - Rain and lightening – How to retain safety while working
  - Housekeeping

# Safety Production Communication- Dec 3

Without Lost Time Injury:	<b>8</b>	Days	<b>244,696</b>	Hours Worked	YTD Total Injuries	<b>408</b>
Without RD/MT Injury:	<b>2</b>	Days	<b>61,174</b>	Hours Worked	YTD Total Reportable Injuries	<b>129</b>

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	129	22	2.00	0	28	6	0.54	4	716	107	9.97	0	24	3	0.46
0.00	2.54	2.28		0.00	0.55	0.62		13.08	14.08	11.11		0.00	0.47	0.31	

## Incident Review

Date	Incident	Organization	Fatal Risk	Short Description
12/2/2019	Property Damage	Mine Organization	Fire	Employee turned on a heater and came back later in the day to find no power in the office. Upon investigation, the breaker box had burned.
12/2/2019	First Aid	Contractor Organization	No Fatal Risks	A contract mechanic was removing the steering knuckle from the left front suspension, when the impact slipped and pinched their finger.
12/2/2019	First Aid	Processing Organization	No Fatal Risks	Late report: Employee was adjusting the SIE stripper when they got electrolyte mist into their left eye. Employee washed eye out, but they didn't report incident until next shift.
12/2/2019	Near Miss	Processing Organization	No Fatal Risks	Locomotive was shoving cars into the wash rack to get water, when the second locomotive split the switch and derailed.
12/2/2019	Property Damage	Mine Organization	No Fatal Risks	The 93 dozer was picked up at shift change with damage to the left engine compartment door.
12/2/2019	Property Damage	Mine Organization	Vehicle Collision or Rollover	The operator of the 543HT proceeded to pass the 555HT and got too close and made impact. Cables had been laid out at the end of dayshift for the 17 shovel to move and had not yet been moved to the side of the road.

# Safety Production Communication- Dec 4



## FREEPORT-McMoRAN

Morenci Safe Production Communication

December 4, 2019

Without Lost Time Injury: 9 Days 275,283 Hours Worked YTD Total Injuries 409  
Without RD/MT Injury: 3 Days 91,761 Hours Worked YTD Total Reportable Injuries 129

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	129	22	2.00	0	28	6	0.54	5	717	108	9.97	0	24	3	0.46
0.00	2.53	2.25		0.00	0.55	0.61		10.90	14.06	11.03		0.00	0.47	0.31	

### Incident Review

Date	Incident	Organization	Fatal Risk	Short Description
12/1/2019	Property Damage	Processing Organization	No Fatal Risks	The ST074A was found with damage to the rear fender, out rigger, and bumper.
12/3/2019	First Aid	Processing Organization	No Fatal Risks	An employee was removing a hook from the strong-back when their hand slipped striking a piece of copper and causing a minor scratch.

# Electrical Cord Inspection Policy

- **Contractors will be responsible for their own daily, monthly and yearly inspections and testing of their own equipment.**
- **In 2020, the marking tape color for continuity testing will be green.**

**To learn more about the FMI Electrical Cord Inspection Policy, please take a copy near the sign in sheet.**

# PFE 2019 - 18

## DESCRIPTION / DETAILS OF ADVISORY

**Summary:** Excavator was directly exposed to stockpile transfer material collapse.

**Description:** An Excavator CAT 349D was rehandling underground development waste rock while being aided by a spotter. The task was to use the underground waste rock that had rolled past the toe of the stockpile's angle of repose to uncover the bench and generate the material required to build a lower bench. During this process, waste rock from the slope's angle of repose above the excavator failed and slid down the slope approximately 15 meters to where the Excavator was operating.

The spotter who was standing 20 meters behind the Excavator immediately moved to a safer location while the operator dug the Excavator's bucket deep into the bench floor for anchorage. Most of the material slid to the front of the Excavator while some rock struck the equipment, damaging the cabin's left window. Material entered the operator cabin and buried the operator to knee-height. The operator then switched off the engine and radioed for assistance to evacuate the cabin. The operator managed to exit the cabin through the right window with assistance from the spotter. No injuries were sustained during the incident.

## FATAL RISKS

Ground Failure

N/A

## OTHER SIGNIFICANT RISK (specific to site or task not categorized as global)

N/A

## ABSENT / INSUFFICIENT CONTROLS CONTRIBUTING TO THE EVENT

- Failure to assess or identify the risk of potential material slide from the stockpile transfer.
- Inadequate supervision / experience in muck control and reclamation work.



# Detailed picture of PFE



# Crosby Shackle Re-call

- THE CROSBY GROUP has determined some of their shackles may have a condition that can reduce the ultimate load capacity. This is due to the shackle bow's previously undetected defect, and continued use may result in loss of load, property damage, severe injury, or death.
- Please identify all 7/8" 6.5t shackles with PIC 5VJ, remove from service, and arrange for return and replacement.





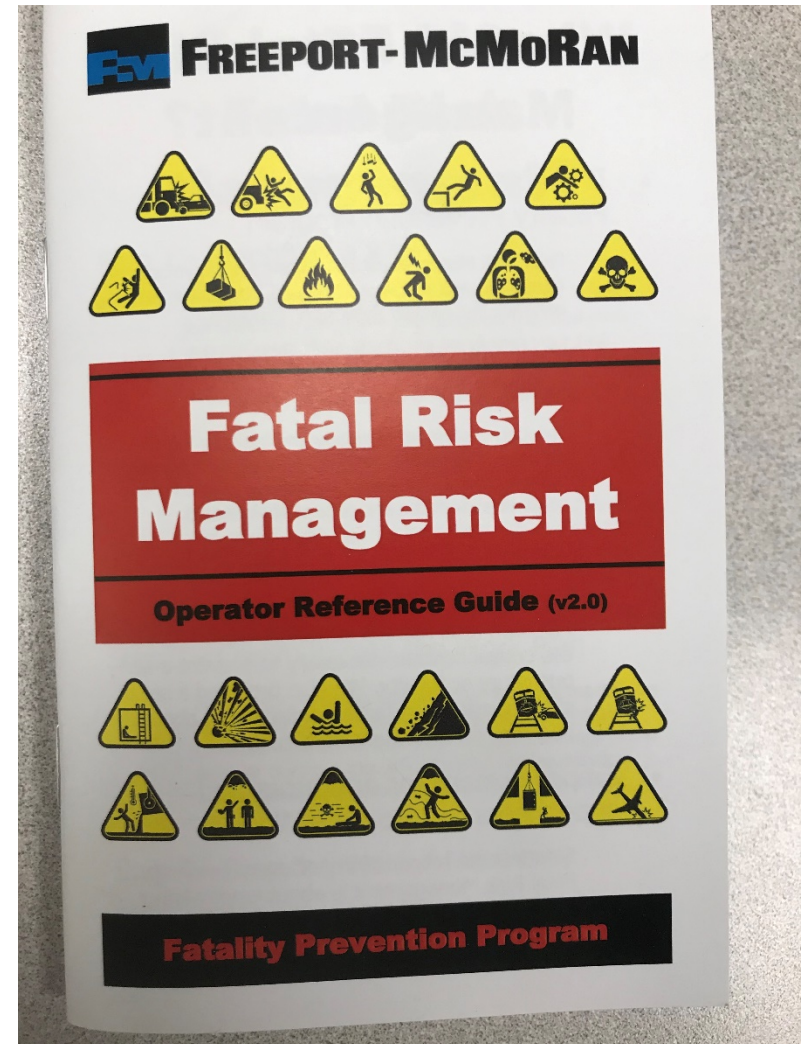
# Serious Event This Weekend

- **Two American Power employees were digging and setting pole grounds. One employee was inside the backhoe digging holes for ground rod. The other employee was standing on the concrete foundation prepping area to install the ground lug to the pole next to the trench. The operator of the backhoe swung the arm and bucket to continue work. At this moment, the employee on the foundation was struck in the arm/ribs with bucket.**



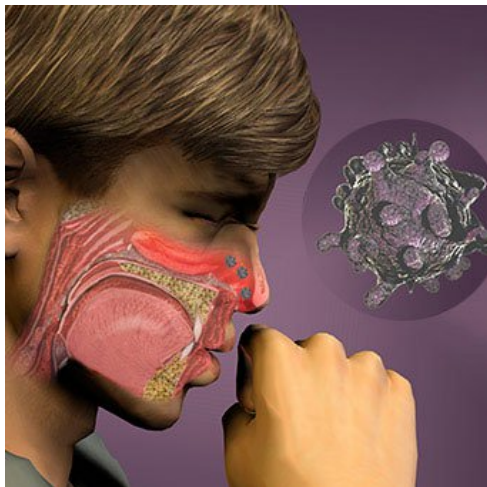
# Fatality Prevention Class

- A very useful Freeport class if you are working a high risk job.
- Helps you identify ALL fatal risks in a job and how to control for hazards/spot control flaws.
- Different Fatality Prevention classes for employees and supervisors.



# Winter is Here at Morenci

- Common Cold
- Flu
- Pneumonia
- Strep Throat
- Sedentary Living
- Seasonal Depression
- Road danger



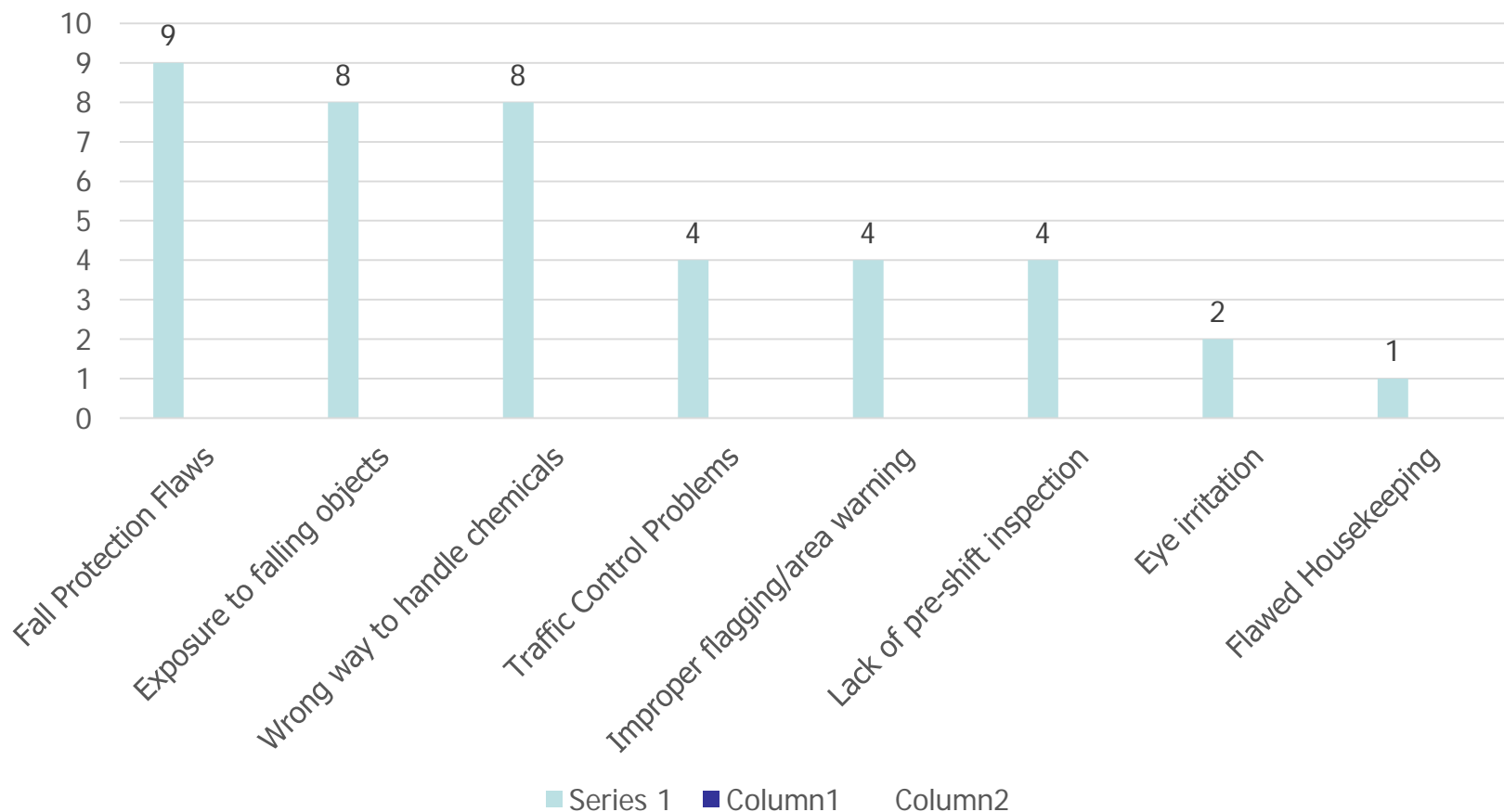
# Stay Healthy in the Winter

- Remember to wear plenty of warm clothing, sometimes one sweater is not enough.
- Wear extra padding on extremities to retain warmth: gloves, scarves, multiple socks etc.
- For the winter, focus on eating enough Vitamin C to prevent sickness.
- Try to keep as active as possible, physically and socially. This will beat away the winter lethargy, as well as the winter depression.
- Don't be stubborn! If you feel like you are starting to get sick, warn your co-workers, and talk to your supervisor.
- Don't drive unless you make sure wind shields are visible (no ice, fog, snow preventing clear vision)



# What are we missing?

Mistakes Found in our Fatal Risk Management Audits



# Safety Data Sheets

- **Ask your FMI Contact to access an SDS sheet if you would like to know the chemical make up of what you area working with.**
- **The environmental department could also provide you the needed information : (928) 865-6000**
- **The industrial hygienist can give you information if the above are too busy: (Jill Leavitt (928) 965-6692)**
- **All employees handling chemicals need to be trained to the SDS and must be readily available**

# Lightning alert Categorization

- **Yellow Alert:** Lightning is identified as striking in a 7 to 15 mile radius from an established reference point in the Mine, or a 4 to 15 mile radius in Processing.
- **Red Alert:** Lightning is striking within a 0 to 7 mile radius from an established reference point in the Mine, and a 0 to 4 mile radius in Processing. Work is prohibited in high risk areas when in a Red Alert.
- **Green Alert:** Lightning activities are outside the 20 miles radius from the center point of the system.

# Lightning Alert

- Any work groups working for Freeport here at Morenci that may be affected by lightning must be able to monitor the activity via radio and receive communication about status.
- Each individual work group should establish their own list of high risk activities and high risk locations where lightning is of concern.
- Generally, when a red alert is announced, any employee working outside should cease work immediately and find refuge.





# Re-entry in Times of a Red Alert

- **Workers in high risk lightning areas will be allowed to return to normal operations when the following conditions are met:**
  - 1. Red Alert conditions no longer exist,**
  - 2. The area is verified as being safe by a competent individual.**
  - 3. Established department procedures permit re-entry into the area.**
- **If lightning activity is not detected by a lightning detection system, and lightning activity is prevalent, reasonable judgment must be made to ensure employees are safe.**

# Housekeeping = Safer Environment

- **Contractors:** are responsible for maintaining areas, equipment and facilities (owned by the contractor and FMMO) in a clean, orderly manner.
- **Contractor employees** shall inform their supervisor and/or an FMMO management representative of unsafe conditions or practices which do not comply.



# Last things to note for Contractors

- **All general contractors must have their sub-contractors on-boarded.**
- **Department managing the resident contractors has the option of setting expectations for audit frequency.**
- **In next month and a half, H&S will be announcing tips/advice for upcoming MSHA inspections.**



**Thank you and Stay Safe**



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FUNDAMENTAL VALUE.**