

Contractor Success Meeting

08/11/2015

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Agenda



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- Introduction of New Contractor Safety Rep
- Risk Verses Hazard
 - JSA or Workplace exam
- Morenci Top 5 Risks-Do you have yours identified?
 - Critical Control Improvement Documents.
- PFE follow up and review-Where do you fit in?

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Success!!

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Morenci Leader



August 5, 2015

LEADERSHIP

PERFORMANCE

PRODUCTION

SAFETY

ENVIRONMENTAL

Building our Future through
the Strength of our People

From Josh Olmsted

Safe Production will not be compromised.

Our efforts around Safe Production are not going unnoticed. Morenci recently received two safety awards from the International Society of Mine Safety Professionals. Eddie Lopez received the H.L. Boling award and the Maintenance Services division received an award for one year without a reportable.

While we have struggled with the number of recordable event in July, we have some other great achievements. Crush and Convey and Leaching completed a year without a reportable incident. SWMFL passed 1 Million man hours without a lost time event.

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Congratulations!!!!

Difference?

- Hazard:
 - A source, situation, or act with the potential for harm in terms of human injury or ill health, or a combination.

- Risk:
 - A combination of the likelihood of an occurrence of a hazardous event or exposure and the severity of injury or ill health that can be caused by the event or exposure to that source.

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Work Place Exam Or JSA

- The purpose of a work place exam is to identify hazards in the workplace that either do not comply with a regulatory standard or create a hazard to employees if left in that condition. This is a process to fix workplace defects.
- JSA or Risk Assessment: the process of evaluating the risk arising from a hazard, taking into account the adequacy of any existing controls, and deciding whether or not the risk is acceptable.
- How can one document achieve both?

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Exercise:



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- Form 2 lines one on each side of the room.
- A statement will be read out loud.
- If you believe it should be included in workplace exams step to the right.
- If you believe is should be on a JSA step to the left.

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JSA or WPE

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Comparison

- Hazards=Workplace Exam
 - Looking at conditions
 - Looking around work area
 - Must be reviewed by management
 - Must be corrected in a timely manner
 - Required by MSHA
 - Must have training on how to conduct WPE
- Risks to being hurt by Hazard=Risk Assessment JSA
 - What is going to hurt me and what am I going to do about it.
 - Ensuring critical controls are in place.
 - Exercise in recognition and control of what an employee is exposed to during the course of a task.
 - Is not required by MSHA
 - Should be reviewed by management

THESE ARE TWO SEPARATE DOCUMENTS!!



Work Place Exam

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Freeport-McMoRan
Copper & Gold

FMMO Workplace Examination Record

Examiners Name: _____ Date: _____

Area(s) Examined: _____

*All areas where work is being performed must be inspected for health and safety hazards at least once per shift. If conditions or practices exist that could reasonably be expected to cause death or serious injury: **IMMEDIATE** action must be taken to correct or control the hazard.*

Hazard Checklist (* Asterisk denotes a potential imminent danger and requires immediate notification of your supervisor and correction)			
Y = Hazard/Unsafe Condition Exists N = No Hazard or Not Applicable	Y	N	Description of hazard, condition and corrective action taken (i.e. repaired or informed supervisor)
Housekeeping/Slippery Surface/Trash			
Damaged/Defective Electrical Equipment * Exposed electrical Wires			
* Unsafe Access to equipment or workplace			
Missing – Illegible warning signs and/or labels			
Damaged Handrails, platforms, ladders * If fall of person hazard exists			
Inadequate Illumination / Guarding around lights			
Safety defects on machinery, equipment, and tools			
* Exposed/Unguarded Moving Machine Parts			
Fall of Material * Uncontrolled suspended loads * Loose or unstable ground			
Overhead electrical hazards * Inadequate clearance			
Pressure Vessels/Air receivers * Damaged pressure vessels			
Dust, Fumes, chemicals * Inadequate ventilation or visibility			
Berms or Guardrails * Missing or severely damaged			
Defective fire extinguishers, eyewashes, e-stops, or other safety equipment			
Other Hazard: _____			

* This list does not cover all potential hazards that may be present within your work area. Use judgment when determining which conditions are too serious to allow for continued work. When in doubt inform your supervisor, safety professional or another FMMO management representative.

- Designate responsible person on your crew or by area.
- Train them.

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Morenci Top 5

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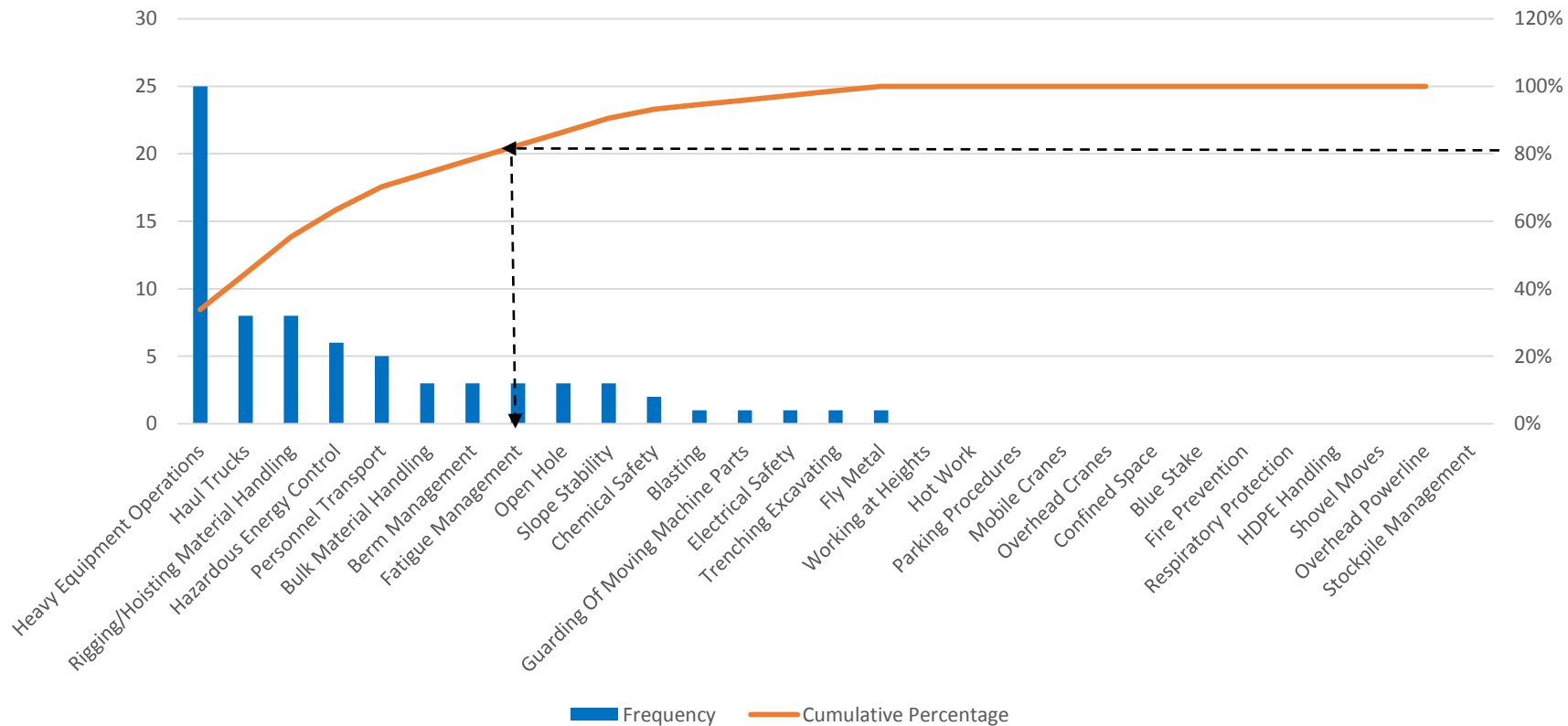


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All GSR Events

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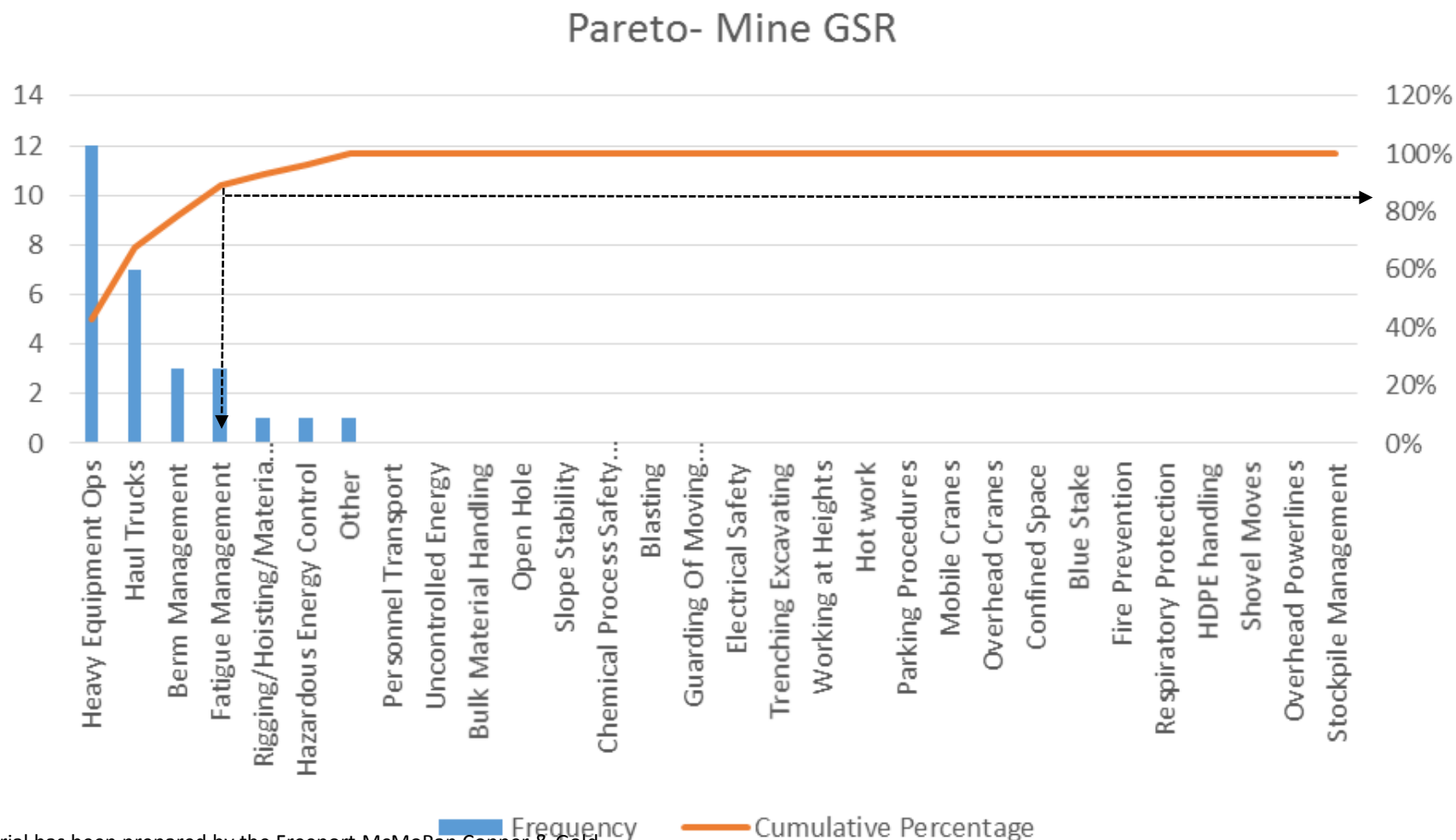
Morenci Pareto -All GSR



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Mine -GSR

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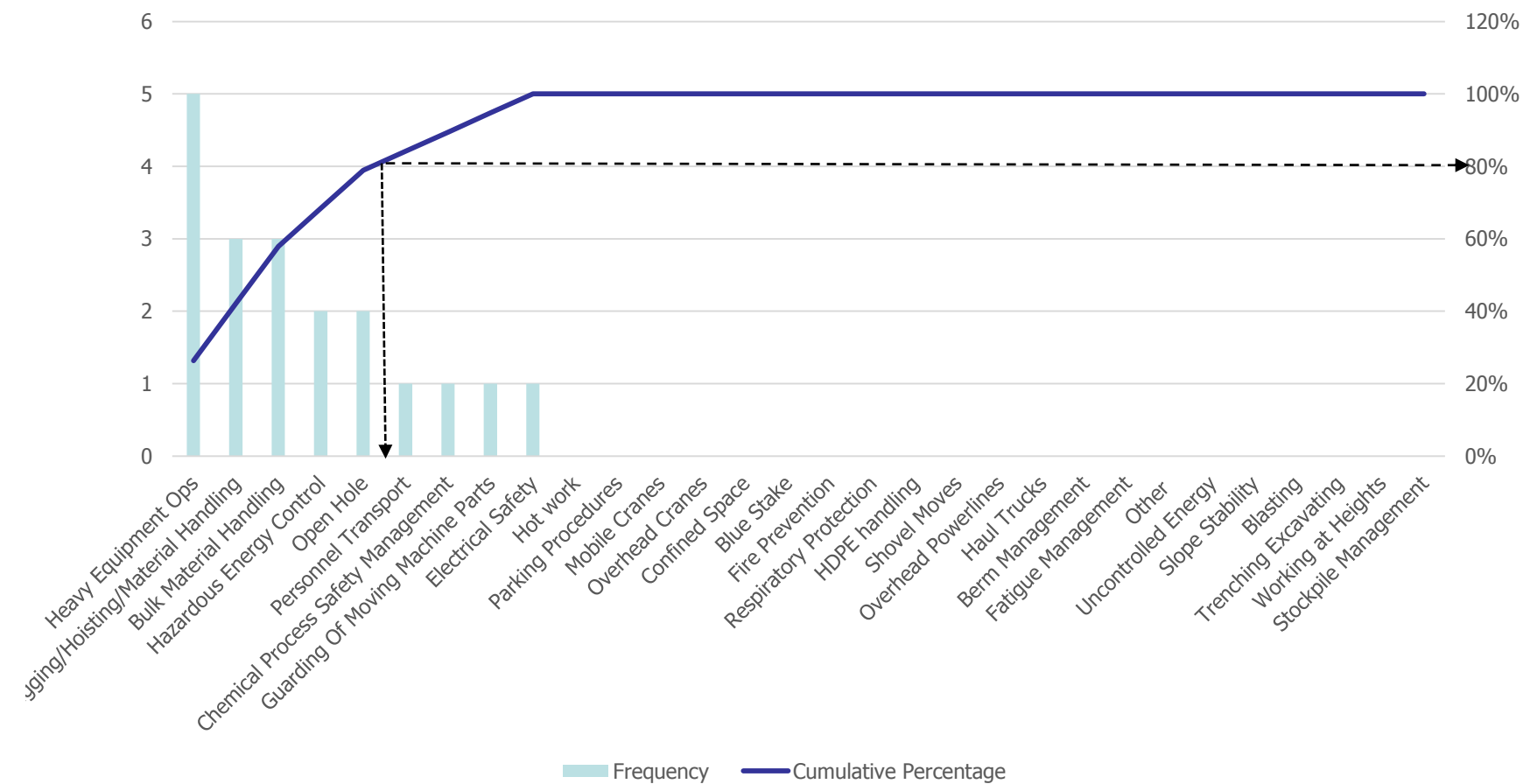


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Processing-GSR

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Pareto- Processing GSR

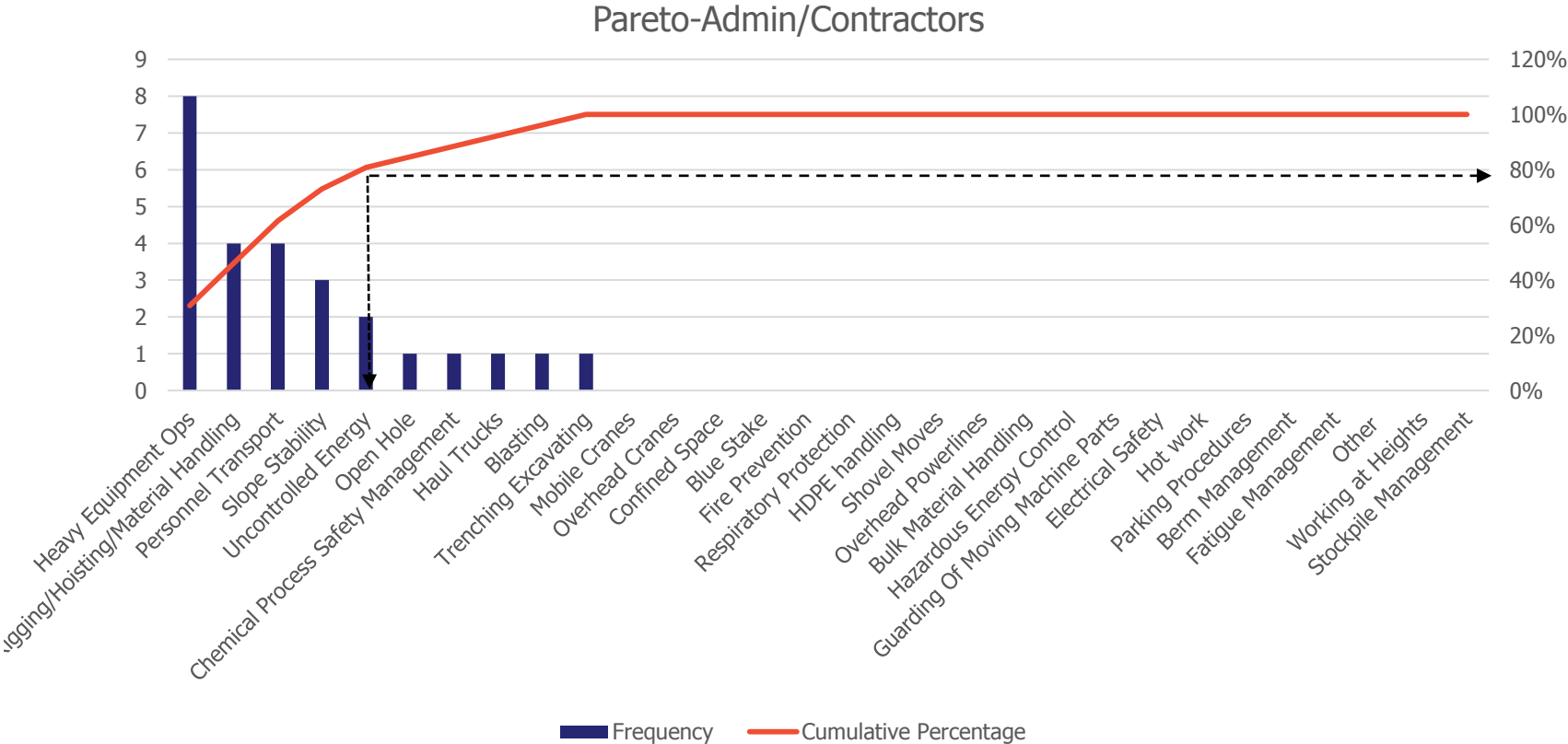


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Contractor/Admin-GSR

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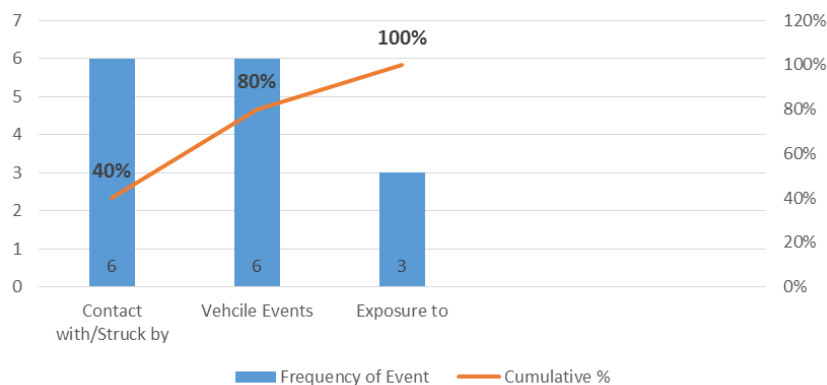


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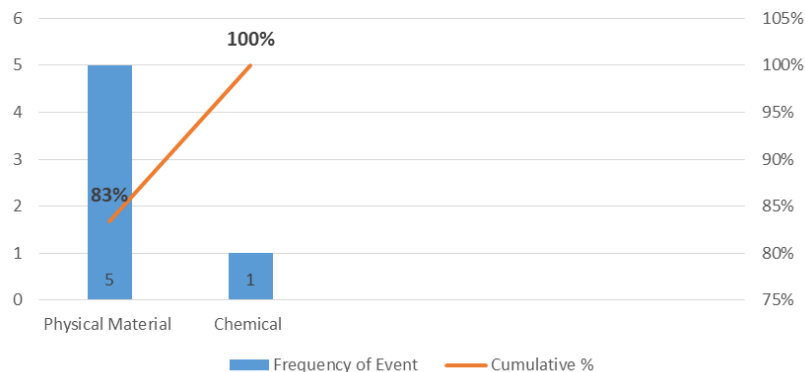
Contractors

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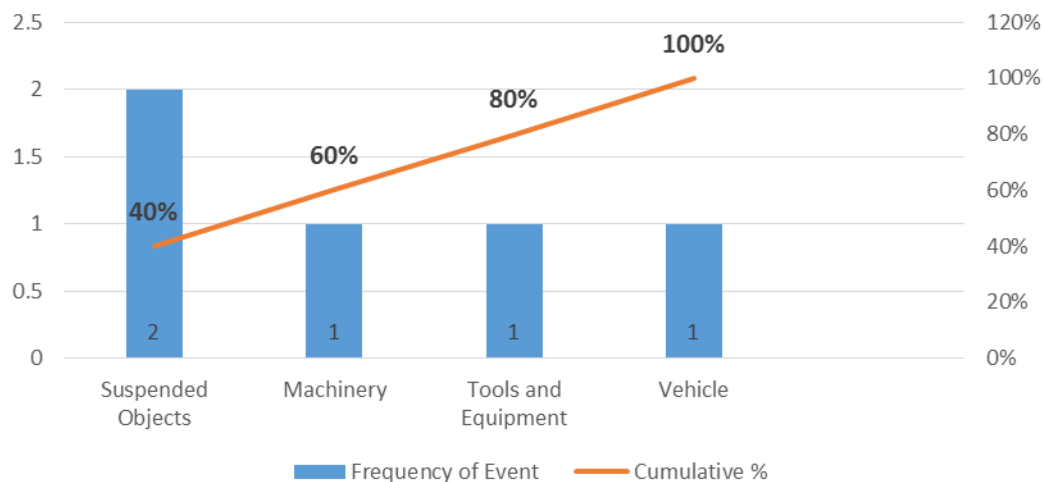
Total Events-Contractor



Total Contact Struck by



Total Physical Material



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Determining Top 5

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2013-2015						
FXC Global Risks	HIRA	PFE/Alert FMMO	Fatality FMMO/FCX	HIGH RISK	MSHA Fatal	%
	30	20	10	30	10	100
Energy Control	x			x		60
Mobile Equipment Operations	x		x	x	x	80
Fatigue Management	x					30
Contact with Moving Machine Parts	x					30
Rigging and Suspended Loads	x	x	x	x	x	100
Working at Heights (Fall Protection)		x	x	x	x	70
Overhead Power Line						0
Haul Truck Operations		x	x	x	x	70
Electrical		x	x			30
Fire Prevention						0
Insufficient Berms						0
Slope Stability and Ground Control			x		x	20
Overhead Crane Operations						0
Hot Work						0
Conveyor Belt Management						0
Confined Space Entry						0
Blue Stake (locating utilities)						0
Open Hole						0
HDPE Pipe Handling and Transport						0
Excavation and Trenching						0
Stockpile Management						0
Bus Safety			x			10
Chemical/Gas			x			10
Vehicle Operation				x		30

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2015 Sustainable Development Top 5 Risks

FXC Global Risks	2013-2015					%
	HIRA	PFE/Alert FMMO	Fatality FMMO/FCX	HIGH RISK	MSHA Fatal	
	30	20	10	30	10	100
Energy Control	X			X		60
Mobile Equipment Operations	X		X	X	X	80
Fatigue Management	X					30
Contact with Moving Machine Parts	X					30
Rigging and Suspended Loads	X	X	X	X	X	100
Working at Heights (Fall Protection)		X	X	X	X	70
Overhead Power Line						0
Haul Truck Operations		X	X	X	X	70
Electrical		X	X			30
Fire Prevention						0
Insufficient Berms						0
Slope Stability and Ground Control			X		X	20
Overhead Crane Operations						0
Hot Work						0
Conveyor Belt Management						0
Confined Space Entry						0
Blue Stake (locating utilities)						0
Open Hole						0
HDPE Pipe Handling and Transport						0
Excavation and Trenching						0
Stockpile Management						0
Bus Safety			X			10
Chemical/Gas			X			10
Vehicle Operation				X		30

2015 TOP 5 RISKS

Energy Control

Mobile Equipment Operations

Rigging/Hoisting/Material Handling

Working at Heights (Fall Protection)

Haul Truck Operations/Fatigue

Do you know your Top 5?

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PFE Follow Up

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FMMO - FATALITY PREVENTION PFE – PREVENTIVE ACTIONS

BRIEF DESCRIPTION / DETAILS OF PFE ADVISORY	
GENERAL CONCLUSION	
LESSON TO BE LEARNED	
WHAT AREA OR PROCESS IN DEPARTMENT HAS SIMILAR RISK?	

PREVENTIVE ACTION (s)			
Deliverable	Action	Responsible	Due Date
FOLLOW - UP PREVENTIVE ACTION (s) (The preventive action was implemented and this was effective?)			
Responsible for follow up		Date	
Comment / Additional recommendations			

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Thank You!! Any questions?



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