

Accident Investigation Data
Event Number: 6696158



A. Mine Information

1. Mine ID 02-03131	2. Mine Name Freeport-McMoRan Safford Inc	3. Operating Company Name Freeport-McMoRan Safford Inc
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4. a) Mine Location Information City: Safford County: Graham State: AZ	4. b) Union Affiliation 9999 - None (No Union Affiliation)
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5. Mine Type S - Strip/Open Pit Quarry	6. a) Material Mined / Processed 102100 - Copper Ore Mining, N.E.C. - Metal	6. b) Part 48/Part 46? (M/NM only - Coal is assumed to be Part 48) Part 48	7. Name of Seam (Coal Only)
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8. Mining Data			
a) Mining Method:	01 - Multi-bench (Open Pit)	Description:	Multi-Bench
b) Extraction Method:	05 - Shovel/Drumline/Loader	Description:	P&H Shovel
c) Haulage Method 1:	03 - Truck	Description:	Haul Trucks
Haulage Method 2:	01 - Conveyor Belt	Description:	Conveyor Belt
Haulage Method 3:	-	Description:	-
d) Are explosives used in the extraction of material?	-	Description:	Y

9. Employment	10. Production (Coal Only)	11. Hours of Operation
At Time of Accident: a) Underground: b) Surface: 697	Avg Tons per Day:	a) Hrs per Shift: 12
Average Mine Employment: a) Underground: b) Surface: 720		b) Shifts per Day: 2
		c) Days per Week: 7

12. Number of Active MMU's (UG Coal Only)	13. Methane Liberation (UG Only)	14. Average Mining Height
a) Development: b) Retreat:	Cubic Ft in 24 Hrs:	Feet: 50 Inches:

15. Management/Labor Officials

Title	First Name	MI	Last Name	Street	City	State	Zip
General Manager	Jeff		Monteith	8500 N Freeport-McoMoRan	Safford	AZ	855481019
Health and Safety Manager	Drew	d	Borcherding	8500 N Freeport-McoMoRan	Safford	AZ	855481019
President, FMA	Harry	M	Conger	One N Central Ave	Phoenix	AZ	85004
Sr. VP & General Counsel	Richard		McMillan	333 North Central Ave	Phoenix	AZ	85004

B. Accident Information

16. Date/Time of Accident 04/09/2016 2:03 PM	17. Type of Investigation F - Fatal Injury	18. Accident Classification 01 - Electrical	19. Number of Deg. 1-5 Injuries 1
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20. Location of Accident/Injury/Illness	21. Number of Independent Contractor Companies Involved in Accident
a) Surface Location: 01 - Mill/Preparation Plant b) Underground Location:	0

22. Equipment Involved			
Equipment #1	a) Type:	760000 - Equipment or machine not listed	
	b) Manufacturer:	3000 - Not listed API International	
	c) Model No:		
	d) Serial Number:		
	e) Controls:	N - Not Applicable	
Equipment #2	a) Type:	-	
	b) Manufacturer:	-	
	c) Model No:	-	
	d) Serial Number:	-	
	e) Controls:	-	

23. Description of the Accident
 On April 9, 2016, Bryan Ortiz, Hydromet Electrowinning Operator I, age 25, was seriously injured when he was electrocuted by an energized flange on the electrolyte return line. Ortiz was instructed to prime a pump in the area and was found incapacitated kneeling in electrolyte solution with his head contacting an energized flange. Ortiz died of his injuries on April 10, 2016.

24. Conclusion

The accident occurred due to management's failure to insulate or guard the energized flanges on the electrolyte return piping and failure to provide adequate PPE for the electrical hazards that existed.

25. Enforcement Actions

Violation Type	Citation Number	Regulation Cited	Section of the Act	Citation or Order	Type of Action	IC ID	Summary of Violation
Condition	8838363	56.12030 - M		8838363	104(a)		The victim was found electrocuted in contact with a stainless steel flange fitting that was electrified.
Condition	8838364	56.15006 - M		8838364	104(a)		The victim's dielectric boots had holes through the soles, negating the dielectric rating. The company did not provide any other PPE for electrical hazards.
Condition	8940472			8940472	103(k)		Order to protect individuals and preserve the accident scene to prevent the destruction of evidence.

C. MSHA Information

26. Last Quarter NFDL Injury Rate (PEIR) Industry: 2.04 This Mine: 2.69 Contractors:		27. Did Technical Support participate in this investigation? Yes			28. Part 50 Doc Control # (Form 7000-1)		
29. MSHA District Office M6000 - Denver District		30. MSHA Field Office M6861 - Mesa North AZ Field Office			31. Date Last Regular Inspection Completed 12/09/2015		
32. Lead Accident Investigator AR Number Date First Name MI Last Name 4729 04/09/2016 Lee A. Hughes		33. Date On-site Investigation Started 04/09/2016			34. Formal Report Yes		35. Report Release Date 12/06/2016