



**FREEPORT-McMoRAN**

**SAFETY ALERT NOTIFICATION**

This is NOT an investigation report. It is a NOTIFICATION of a Significant Incident that has taken place at a Freeport-McMoRan location. The information below is a preliminary assessment and not a formal investigation.

<b>OPERATION:</b>	Morenci Operation			<b>Incident:</b>	
<b>ISSUED BY:</b>	John Russell – Mine Electrical Superintendent			<b>Injury:</b>	
<b>DATE:</b>	September 24, 2015			<b>Property Damage:</b>	
<b>TIME:</b>	2100			<b>Process Loss:</b>	
<b>LOCATION/DEPARTMENT:</b>	Mine Maintenance – P & H 4100 Electric Shovel				
<b>INCIDENT DESCRIPTION:</b>	<p>Mine electricians were checking the rotation of the swing blower and swing motor which had been changed earlier on dayshift during a PM. As they were checking the swing motor rotation the electrician tried to set the hoist brake and the alarm for “Hoist Brakes Did Not Set Fault” appeared on the fault screen. He was unable to set the hoist brake or stop the dipper from lowering on its own with the hoist controller. He then pushed the “E-Stop” shutting off all control to the machine in an attempt to stop the dipper. However, the loss of control caused the dipper to free fall at a high rate of speed resulting in extensive damage to the collector rings and hoist ropes.</p>				
<b>DETAILS OF INJURY TYPE:</b>	N/A				
<b>POTENTIAL FOR INJURY:</b>	<b>Fatality</b>	<b>Lost Time</b>	<b>Permanent Disability</b>	<b>Other Potential</b>	
	<b>X</b>				
<b>PROBABLE DIRECT CAUSES:</b>	<p>Hoist MAC-valve stuck open                  Hoist electric air exhaust valves stuck closed                  Auto drain valve for air compressor tank was capped                  Air dryer bypassed                  Air tank had a significant amount of water                  Unknown operation of air system oiler</p>				
<b>IMMEDIATE CORRECTIVE ACTION:</b>	<p>Initiated and Completed RCA                  Inspected Shovel Fleet for identified causes</p>				
<b>REQUIRED ACTIONS:</b>	<p>Check auto drain valve on air tank for proper operation.                  Audit shovel brakes using following procedure: With bucket on the ground, machine running and brakes released; manually hold in mac valve, activate e-stop and verify electric brake exhaust valves open and all brakes set.                  Verify operators are draining air tanks at end of each shift.                  Check air system oiler and air dryer to verify proper operation.                  Revise SOP's to ensure no personnel are in the vicinity of the hoist drum when testing.</p>				

Establish Preventative Maintenance program for air brake inspections.



**This is NOT an investigation report. It is a NOTIFICATION of a Significant Incident that has taken place at a Freeport-McMoRan operation and is being communicated to enhance safety awareness should a similar situation exist. The information above is a preliminary assessment of the event and is not a formal investigation.**