FREEPORT-McMoRan

SAFETY ALERT NOTIFICATION



Boom Contact with Overhead Power Line

Safety Alert #	SA - 2019 - 4
IMS #	96714
OPERATION:	Morenci
INCIDENT DATE:	4/16/2019
TIME:	8:45 a.m.
TYPE:	Near Miss

Issued By: Scott Brack, Health and Safety Manager

Contact For Additional Details: Tim Summers, Plant Engineering Manager

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.

INCIDENT DESCRIPTION

Summary: An arc flash occurred when the raised boom of an excavator came in contact with an overhead power line.

Description: A contractor employee was doing excavation work at the townsite tailings pond – a location that required driving under overhead power lines. After working several hours, including under the power line, the employee switched to a larger excavator and drove under the power line with the boom raised. The boom made contact with the ground wire and pushed it up into a phase wire, causing an arc flash away from the excavator and tripping the breaker. No injuries or property damage occurred, and the excavator was not energized. Autoreclosure on the breaker re-engergized the line soon after the excavator passed.

FATAL RISKS	HEALTH AND SAFETY POLICIES
Exposure to Electrical Hazard	N/A

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

N/A

PROBABLE DIRECT CAUSES

- Failure to re-assess the job after equipment change
- Failure to lower boom and keep a safe clearance distance from the power line
- Absence of a spotter while operating heavy equipment under the overhead power line

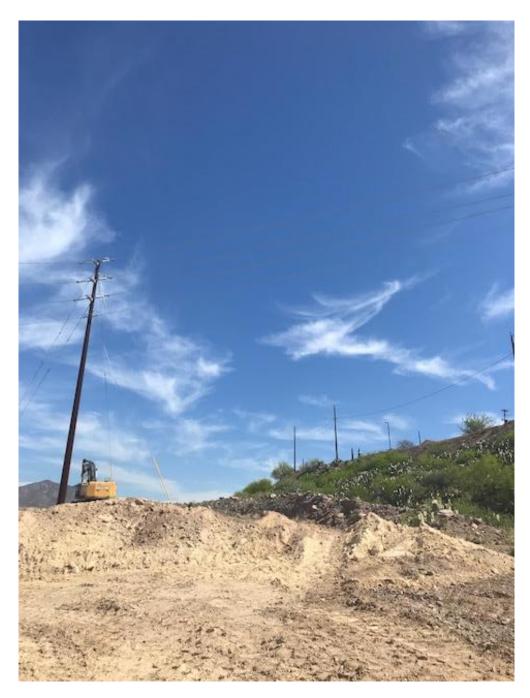
IMMEDIATE CORRECTIVE ACTION(S)

- Stopped the job
- Notified safety pro and electrical superintendent
- Initiated investigation

REQUIRED ACTION(S)

- Ensure proper spotting procedures are followed when operating equipment near overhead power lines
- Communicate the need to re-assess the job after a change in the scope of work and / or equipment

Rev: 2 March 2017



The area where the track hoe was driving underneath the power lines.

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 situationexist. The information above is a preliminary assessment of the event and is not a formal investigation.