



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.

OPERATION:	Operational Improvement			Incident:	X
ISSUED BY:	Denard Brandt			Injury:	
DATE:	June 3, 2014			Property Damage:	
TIME:	12.35 PM			Process Loss:	
LOCATION/DEPARTMENT:	Safford Mine Pit Drilling and Blasting				
INCIDENT DESCRIPTION:	During a normal blast at the Safford Mine, an Orica Blast Box had a delay in firing (more than 20 seconds). After the delay, the blast fired correctly. Delays like this can cause serious incident or fatality on a blasting pattern.				
DETAILS OF INJURY TYPE:	N/A				
POTENTIAL FOR INJURY:	Fatality	Lost Time	Permanent Disability	Other Potential	
	X				
PROBABLE DIRECT CAUSES:	A contractor radio frequency interfered with the blasting system radio frequency which when keyed caused a delay in the blast signal on the blast boxes.				
IMMEDIATE CORRECTIVE ACTION:	Sites should ensure that contractors or others on site do not use radios with frequencies that interferes with FCX blasting system radio. Radio frequencies within 10 kHz of FCX blasting system frequencies have the potential to interfere. (See attached frequency list for all sites.)				
REQUIRED ACTIONS:	Ensure that site SOPs for blasting include this information and that contractors are made aware when they are working in blasting areas of the radio requirements.				
	Radios with interfering frequencies should not be used on site. If needed, contractors should borrow a radio from the Security gate or access one through an FCX project contact.				
	Ensure that contractors understand the importance of radio silence during a blast.				
	Safety inspections conducted with contractors prior to working on site should include this information and a physical check for radios and their frequencies.				

Radio Frequencies

Location	Frequencies Used (MHz)
Morenci	469.000
	469.425
	469.800
	461.100
Safford	469.425
	469.575
	469.800
Bagdad	469.000
	469.425
	469.575
Miami	469.000
Chino	469.425
Tyrone	469.425
Sierrita	469.575
	469.800
Candelaria	459.150
	459.525
Cerro Verde	469.850
	469.450
	469.600
	469.150
	470.000
El Abra	459.150
	459.625

****Grasberg does not use a radio remote. Climax and Tenke use a different system from Dyno which has not caused any problems or interferences.**

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.