

SAFETY ALERT NOTIFICATION	Safety Alert #	SA – 2017 - 8
	IMS #	76616
CERRO VERDE – Domestic water contamination incident	OPERATION:	Cerro Verde
	INCIDENT DATE:	4/1/2017
	TIME:	19:30 Hrs.
	TYPE:	Injury
Issued By: Carlos Castro	Contact For Additional Details: ccastrog@fmi.com	

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

Workers who were at a change room, when using the services for hygiene (showers and washbasins), came into contact with pink colored water, coming from the domestic water system.

1 lost time, 16 first aid (digestive - dermatological)

GLOBAL SIGNIFICANT RISKS(if applicable)

Choose an item.	Choose an item.
Choose an item.	Choose an item.

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

Health risks from contact to contaminated water

PROBABLE DIRECT CAUSES

Domestic water piping system was connected to the cooling system circuit directly with a check valve and not isolated properly. A failed check valve allowed the refrigeration system chemicals to mix with the domestic water system.

IMMEDIATE CORRECTIVE ACTION(S)

Change rooms and restrooms where the pink water hazard was identified were closed and access restricted to determine causes of the event.
Water samples and plant inspections were taken to determine the source of contamination.

REQUIRED ACTIONS(S)

1. Physically isolate domestic water lines and process cooling system lines from HPGR crushers and mills.
2. Perform site wide inspections to verify any additional potential where domestic or potable water systems are connected to process water systems or other contamination sources
3. Develop site policy for Backflow Prevention and Cross Connection controls
4. Coordinate with FCX Engineering to review engineering and construction standards to prevent cross contamination to domestic and potable water systems
5. Review water quality monitoring procedures for domestic and potable water system.



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.

TP-5410-173 2" TO GRINDING BUILDING C2



TP-5410-185 2" TO HPGR & SECONDARY CRUSHING BLDG C2

