

SAFETY ALERT NOTIFICATION		Safety Alert #	SA – 2017 - 11
 Bagdad Broken Socket, Mill Maintenance		IMS #	78529
		OPERATION:	Mill Maintenance
		INCIDENT DATE:	7/12/2017
		TIME:	9:45 am
		TYPE:	Injury
Issued By: John Melfi		Contact For Additional Details: jmelfi@fmi.com (928) 925-8203	

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

On July 12, 2017, Mill maintenance employees were working several maintenance jobs at the mill. Early in the shift, a 1-inch drive 2-3/8 inch socket was identified with a crack and was removed from service. Once removed this defective socket was not properly tagged out of service or discarded.

Over the course of the shift, it migrated its way back into the work tasks and the cracked socket had not been identified. It was then used to unbolt the number 2 crusher motor base. Upon starting the impact wrench, the socket came apart striking the impact operator in the knee and resulted in a first aid injury.

Upon further investigation it was identified the socket was the wrong size for the job (should have used a 2-1/4 inch socket) and a keeper ring was not used in this process.

FATAL RISKS	HEALTH AND SAFETY POLICIES
Uncontrolled Release of Energy	Choose an item.
Choose an item.	Choose an item.
Choose an item.	Choose an item.

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

PROBABLE DIRECT CAUSES

- **Use of defective (cracked) and wrong sized socket for the job.**

IMMEDIATE CORRECTIVE ACTION(S)

- **Re-inspect tools for safety defects.**
- **Communicate the use of proper tools, inspection and associated safe guards.**

REQUIRED ACTIONS(S)

- Verify tools are effectively removed from service when safety deficiencies are identified.
- Communicate investigation finding to all employees.

Photo showing 1-inch impact with broke 2-3/8" socket.
Broken piece flew apart striking employee in the knee.



Photos showing the broken socket after the accident
and a red keeper ring which should have been used
as a best practice.



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.