

SAFETY Alert



PREPARED BY: Corporate QHSE Dept.

N° 04/2021 Date: April 2021

OBJECT: ROCK BREAKING

DESCRIPTION

During excavation activities in rocky or compact soils it is common to use the hammer installed on the arm of the excavator.

In a SICIM project, rock breaking activities were being performed in a mountain area with a rocky soil in order to facilitate the opening of the excavation. While rock breaking activity was ongoing, a piece of rock flew away with pressure and fell near appointed flagman for the activity.



CONSEQUENCES

- Possible serious injury;
- Activity immediately stopped by Construction Supervisor;
- Stand Down meeting conducted with crew;
- Start of the Incident Investigation process.

CAUSES

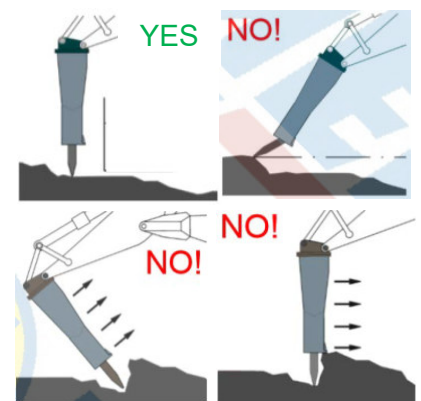
- Failure to follow procedure: the flagman relocated his assigned area which was closer to rock breaking area;
- Not identified the danger area and the line of fire of the flagman;
- Training and / or information missing / not adequate.



CORRECTIVE AND PREVENTIVE ACTIONS

Measures adopted in order to prevent the recurrence of a similar incident:

- Operators to perform an accurate daily check of the excavator and of all components of the hammer to prevent malfunctions or accidents caused by damaged organs;
- Train operators for a safe use of the hammer as per User's manuals;
- Flagman appointed to safe location as per activity procedure;
- Rock Breaking Area barricades re-arranged and safe distance increased;
- Additional safety signboard installed in the proximity to alert nearby personnel;
- TBT meeting with entire workforce rolling out the causes of the incident;
- Refresh the line of fire training in order to emphasize the responsibility of the individual to abide by the rules, regulations, procedures and safe systems of work given to them by SICIM;
- **Lateral Learning:** FOPS cabin to protect the operator from projected objects.



RECEPTION BY THE PROJECT

WHICH ACTIONS IDENTIFIED TO BE IMPLEMENTED IN THE PROJECT:

Project Manager:

Signature:

HSE Project Manager:

Signature: