

INCIDENT ALERT

LOCATION: Quarry
ACTIVITY: Production and Processing
SUB ACTIVITY: Aggregate processing

ALERT STATUS: Normal
DATE ISSUED: 14/07/08
INCIDENT No: 00188

TITLE

Loading Chute Detachment

ACCIDENT / INCIDENT DETAILS

Loading chute (with swing chute attached) became detached from the plant frame & swung down on the rear hinge coming to rest on truck mixer loading hopper. On inspection only one side had been bolted as there was no provision holes in the other side, it also appeared that the nuts on one or more of the bolts had come off.

It was found during the investigation that the chute was fully missing 2 of the six fixing bolts down one side. The remaining bolts on the other side had all become slack. If the remaining nuts had been on the bolts, and the chute had failed due to excess weight there would have been extensive damage to the chute flange with the bolts ripping through the existing bolt holes, this was not the case. So the nuts must of slackened and came off beforehand. Leading to the chute fixings failure.

ACCIDENT / INCIDENT IMAGES



LEARNING POINTS / ACTIONS TAKEN

All ELBA110 batch plants and all similar discharge point systems should immediately be assessed to ensure that the main loading chute assembly is fully attached to the main structure with all fixing bolts applied and fully tightened.

LEARNING POINTS / ACTIONS IMAGES