

BEST PRACTICE

LOCATION:		ARTICLE YEAR:	2008
ACTIVITY:	Manual handling and storage	COMPANY:	CEMEX Readymix East Anglia
SUB ACTIVITY:	N/A	COMPANY LOCATION:	Colchester Mortar Plant, Essex
BEST PRACTICE No:	BP541	COMPANY TEL:	01206 862222

TITLE

Silo pressure relief device modification

ARTICLE

This site has cementitious materials silos which have pressure relief devices fitted to them which are regularly inspected and maintained. These devices are hinged, heavy lids and as part of the maintenance, require any hardened cement and the hinge pin to be removed. The problem arose during this cleaning process as the lid could only be taken back by 45 degrees which made cleaning difficult. As a result, the restraining chain had to be removed to gain better access for cleaning.

However, there was a risk that the shackle and the cement screw could fall down into the silo and that the lid could also fall and trap hands and fingers. To overcome this problem, a simple design was created involving an 8/10mm (carbine) carabiner, which when unhooked allows the lid to be quickly and safely tilted back for cleaning. Tools are also no longer needed to remove the shackle.

ARTICLE IMAGES

