

# BEST PRACTICE

**LOCATION:**

**ARTICLE YEAR:**

2008

**ACTIVITY:**

Maintenance & Housekeeping

**COMPANY:**

CEMEX Eastern Region

**SUB ACTIVITY:**

N/A

**COMPANY LOCATION:**

Nottingham Coated Stone, Nottinghamshire

**BEST PRACTICE No:** BP513

**COMPANY TEL:**

01159 400171

## TITLE

Bay roof protection system

## ARTICLE

Over the years, the size of the vehicles delivering aggregate has increase dramatically. When the vehicles tip their load into the aggregates storage bays there is a danger of the lorry body colliding with the roofing. Initially the problem was solved by hanging a brightly coloured steel tube from the roof in the hope that drivers would stop tipping or move forwards when the vehicle body came into contact with the bar. However, the bar would often get pulled down or damaged by the vehicle.

It was decided that whilst this system had its merits, modifications were needed to make the installation fit for purpose.

The old system relied on the driver looking up but it was hoped that an audible warning would inform the driver of the impending danger. The prototype version used tilt switches, but these were too sensitive to the wind and would activate without being touched.

The final version uses a steel cable that is tensioned by balance weights that are connected to a limit switch. The system is powered by either mains or battery and creates an audible warning for drivers. This measure has greatly reduced the risk of collision between the vehicle and the bay roofing.

## ARTICLE IMAGES

