

BEST PRACTICE

LOCATION: Quarry
ACTIVITY: Production and Processing
SUB ACTIVITY: Aggregate processing
BEST PRACTICE No: BP2181
COUNTRY OF ORIGIN:

ARTICLE YEAR: 2022
COMPANY: CEMEX UK Materials
COMPANY LOCATION: Swinderby Quarry
COMPANY TEL: 0000

TITLE

Edge protection system for field hoppers

ARTICLE

Highly Commended

Field hoppers are a common method for transferring excavated material from the dig to the processing plant. Where they are fed by excavators the edge protection requirements surrounding their use are minimal however, if they are fed by wheeled loading shovels a ramp for access is usually required and with it edge protection.

The installation of edge protection is difficult being controlled by;

- Its position in relation to the hopper
- Its position in relation to the field conveyor the hopper is feeding
- The height/length of the ramp and therefore the size of the edge protection itself and the angle of settlement of the building material being used
- The size of the wheeled loading shovel
- Safe access and egress of the loading shovel on/off the ramp

The above is compounded by;

- The frequency of movement of the feed hopper
- Weather degrading the edge protection and the need to maintain it.

Generally, there is a compromise with the installation or lack of maintenance of the edge protection which exposes the driver and machine to the risk of overturn.

Please **additional pdf** to see the solution that was developed and see images below



ARTICLE IMAGES