

BEST PRACTICE

LOCATION:
ACTIVITY: Production and Processing
SUB ACTIVITY: Asphalt & coated stone
BEST PRACTICE No: BP736

ARTICLE YEAR: 2010
COMPANY: Tarmac Limited
COMPANY LOCATION: Hillwood Quarry
COMPANY TEL: 07725 142019

TITLE

safe bitumen handling at Hillwood Quarry

ARTICLE

Description

Tarmac™s new coating plant at Hillwood Quarry incorporates a wide range of safety features. The bitumen delivery system has a single fill point and, rather than taking pressurised delivery from a delivery vehicle, the plant features a suction pump that empties bitumen from the vehicle™s tank.

Other key safety features are:

A two-way intercom allowing clear communication between the delivery driver and the plant operator

Dual high level alarms and digital tank level indication with ,traffic light™ visual indication

Suction pump emergency stop

Improved CCTV and lighting

A frost-proof safety shower complete with an alarm that sounds on activation

A one-way system around the coating plant for all traffic

Designated parking areas for delivery vehicles and safety barriers around the delivery area

A combination of handrails and a warning sign with flashing lights that are actuated while the fill pump is in use to keep pedestrians clear from the bitumen delivery area

A standard operating procedure to allow the ultimate high level alarm to be tested manually to ensure the system is always fully operational.

The new bitumen delivery system was set up in conjunction with health & safety and delivery personnel from Nynas, the company™s bitumen supplier, to ensure the best configuration.

Benefits

- 1.Minimal risk of high pressure, high temperature bitumen escaping from the fill point
- 2.The plant operator can both see and communicate with the delivery driver at all times

ARTICLE IMAGES