

BEST PRACTICE

LOCATION:	Asphalt/Coating plant	ARTICLE YEAR:	2011
ACTIVITY:	Production and Processing	COMPANY:	Aggregate Industries UK Ltd
SUB ACTIVITY:	Asphalt & coated stone	COMPANY LOCATION:	Back Lane Quarry
BEST PRACTICE No:	BP755	COMPANY TEL:	01524 738830
COUNTRY OF ORIGIN:	United Kingdom		

TITLE

Safety improvements to bitumen plant

ARTICLE

Description

Aggregate Industries undertook a complete overhaul of the bitumen delivery system and associated safety measures at their Carnforth plant. The changes made and new systems introduced have significantly reduced the potential for accidents. The measures taken include:

Warning lights advising when a tanker is discharging so an alternate route can be followed keeping pedestrians away from the danger zone.

Emergency shower activation warning in the mixing cabin

Splash guard fitted to inlet flanges

High level alarm activation in the mixing cabin

Highly visible flange cover fitted to avoid discharging into the wrong line

Ground pump system fitted

Valve safety system electrically fitted to ensure that only one tank can be filled at once.

New comprehensive sign put in place to improve communication to tanker drivers

New procedure, SSoW and risk assessment drawn up.

Independent high level kettle alarm fitted to avoid overfilling the bitumen kettle.

Trace heating maintenance system adopted to avoid the potential for blocked lines

Non-removable keys fitted to valve controls

Benefits

No accidental entry into the danger zone by pedestrians

Staff are aware the instant a high level alarm or emergency shower is activated.

No more compressed air deliveries

Tanker drivers have greater clarity on delivery points and safety procedures

Reduced chance of a kettle overflow

Reduced chance of blockages due to failed trace heating

Eliminated risk of an overspill when more than one tank is being filled.

ARTICLE IMAGES

