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 overfill

Reduced chance of blockages due to failed trace heating

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

ARTICLE IMAGES