



## BEST PRACTICE

**LOCATION:** Asphalt/Coating plant      **ARTICLE YEAR:** 2007  
**ACTIVITY:** Manual handling and storage      **COMPANY:** Aggregate Industries, Bardon Aggregates  
**SUB ACTIVITY:** N/A      **COMPANY LOCATION:** Topley Pike Quarry  
**BEST PRACTICE No:** BP450      **COMPANY TEL:** 01298 22351

### TITLE

 Award Winner  On Video

### Bitumen ground pump suction delivery system

#### ARTICLE

There has been an improvement to the process of bitumen management and deliveries. Traffic modifications have allowed for better safety. The new one-way system eliminates the need for a vehicle to reverse towards a bitumen tank.

The tank location has also been considered to maximise safety. The key difference is that a ground pump is now used. This is not pressurised so the risks are greatly reduced.

The benefits of the system are:

- Bitumen is drawn from the delivery vehicle so the pipeline is not pressurised. This reduces the risk of a flexible delivery line failing and thus reduces the chance of bitumen spillage / spray
- The rate of bitumen delivery is controlled by the pump and not by the delivery driver as was the case previously
- The pump removes the reliance on a driver to act quickly if there is a problem
- There is less fumage
- The pump can shut down if there is a problem.

#### ARTICLE IMAGES

