

## BEST PRACTICE

LOCATION: Quarry  
ACTIVITY: Occupational Health  
SUB ACTIVITY: Air and dust  
BEST PRACTICE No: BP321  
COUNTRY OF ORIGIN: United Kingdom

ARTICLE YEAR: 2006  
COMPANY: Hanson Bath & Portland Stone  
COMPANY LOCATION: Avon Mill Lane, Somerset  
COMPANY TEL: 0117 9869631

### TITLE

**Dust removal system**

### ARTICLE

The process of cutting and shaping stone at this works creates a high level of airborne dust. The idea to counter this was based upon a wet suppression system found in asphalt plants.

A powerful fan is located in a building where it is linked back to the masons' workstation. The fan sucks the dust through the ducting link where it passes through a series of water bars which send out a fine spray, turning the dust into slurry. This slurry then falls to the bottom of the tank where it is mixed with a flocculent and turned into a semi-solid, ready for disposal. This process therefore removes the dust and releases clean air into the atmosphere. As a consequence, the dust levels have been cut by 50 per cent.

### ARTICLE IMAGES

