Case study 612
Sykes prevent rising water levels

As the UK's most reputable pump supplier, we are used to working alongside the biggest names in quarrying and mining. Having operated within both industries for several decades, we have developed an appreciation of what these tough environments entail – allowing us to propose quick, robust solutions irrespective of the problem. At Sykes Pumps, we have both the resources and expertise necessary to oversee a full range of pumping projects while taking careful steps to minimise our impact on your site.

When a large quarry in the Kent area began flooding after a period of extreme rainfall, an urgent response was required to prevent water levels flowing into an adjacent construction development. We had installed a permanent pump system on a previous occasion, but constant wet weather meant that the water flowing in had now become greater than what could be removed via the existing pumps.

Fortunately, our prior knowledge of this particular application enabled us to recommend a temporary hire package suitable for controlling water levels on site. A Super Wispa 200 unit was provided – along with 150 metres of 200mm hosing – and this was perfect for initially pumping water from the surrounding roads back into the holding lagoon. A second pump – the Sykes UVO 200/150 – was also delivered to the quarry, which is designed for pumping large quantities of water through a pipeline over greater distances, in this case 1500 metres in length. This pump was positioned near the lagoon and ensured maximum flows could be achieved by overcoming any losses due to friction occurring in the pipeline.

The customer was extremely pleased with Sykes' swift response, which helped avoid a nearby building site suffering a potentially catastrophic deluge. Our equipment remained on hire for more than three months and lowered overall water levels by over a metre.

Performance Max head: 43m, Max flow: 161 l/s, Max solid: 75mm
Weight 2390kg with fuel, 2200kg without
Dimensions (mm) 2610 x 1250 x 1535
Noise level @7m = 65 dBA
Fuel tank capacity 207 litres. Max 24 hours
Pipe connections Suction: 8" Table D, Discharge: 8" Table D, Bauer couplings option
Fuel consumption Full load @ 1900rpm: 17 litres/hour