

Application Report - No.10



Overpumping



KMI Water, working for United Utilities, required a number of pumps to undertake overpumping operations whilst new pumps were installed.

The flow was 1300 litres per second and the contract duration was 14 weeks.

Installation and commissioning of 5 x CS3300MT and 3 x CS3201HT submersible sewage pumps along with 750m of 300mm lightweight discharge hose was carried out by Selwood personnel. Flanged hoses were used at the pump chamber and again for the high level discharge to avoid the chance of pipework failure.

An AMF was utilised to ensure immediate start-up of the standby, if the generator failed. Also installed were 2 x 675 kva generators and a telemetry system which alerted key members of staff to any failure, be it pumps or generators.

An 1800 litre fuel bowser was installed with the main generator feeding directly off. This allowed the system to run continuously throughout the full 14 weeks duration with no downtime due to refueling delays.



	CS3201	CS3300
Power Requirement	30kW	44kW
Pump Speed	4 pole	4 pole
Running Amps	56amps	82amps
Flow	120 l/sec	325 l/sec
Delivery Head	40m	22m
Height	1442mm	1915mm
Width	1150mm	1500mm
Weight	588kg	1218kg



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