

Application Report - No.9

Leachate



Selwood was asked, by P.F. AHERN (London) Limited, to supply a pump to lower the levels of leachate and surface water build up during the construction of a catchment pit and site improvements.

The need to leave the pump to self operate coupled with the lack of accessibility to on site power and the ability to allow weekend running with a low noise rating lead to the installation of a HSP10 road tow power pack and an HS50(D) 2" cast iron hydraulic set to include float switches.

The electronic auto-start and level control float switch box is easily fitted to enable the wiring from the Hatz engine to be used to start the pump, when the float activates it. Once the area is lowered and the float level activated the engine continues to run on for a preset time to allow complete clearance of the sump area.

The outflow was pumped some 500m away over the landfill site to allow drainage back into vent holes to enable the gradual breakdown of the leachate.

The close proximity of drainage ditches and the resultant environmental issues should the area spill over, meant that the pump supplied had to be both reliable and the backup service responsive.

The versatility of the Selwood diesel hydrosuab powerpack driving the submersible pump with auto-start facility, allowed for a cost effective application that would withstand dry running should the need arise, and allow for the low maintenance and convenience of float switches normally associated with electric submersible pumps. It also meant that the pump only ran when required, thus saving on fuel costs.



HS50D

Capacity	26m ³ /h
Max Solids Size	10mm
Outlet Port	50mm
Delivery Head	26m
Height	280mm
Width	260mm
Weight	20kg



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