

Water & Waste Water

Mono's Pressure Sewer Systems help maintain a pristine coastal environment

Merricks Beach, a small seaside village located on Victorias Mornington Peninsula, Victoria, Australia, was faced with a potentially damaging pollution problem caused by sewage flows from ageing septic tanks.

Many of the septic tanks connected to the town's 300 homes were not in optimum operating condition and posed a potential pollution threat to both the local environment and public health. As a result, South East Water (SEWL) continued with their plan that had been used along the peninsula, to decommission the septic tanks and implement pressure sewer technology.

Previously SEWL had used Mono Eco pressure sewer systems in the nearby towns of Tooradin, Flinders and Shoreham. Using this experience and an innovative approach to overcome a number of technical challenges associated with the town's remoteness and topography, SEWL continued with the use of the Mono ECO range of pressure sewer equipment.

SEWL were convinced that the project would be successful in terms of customer commitment, installation, operation and maintenance of the network by utilising the superior flow and discharge pressure, network control & telemetry capabilities, electronic over-pressure protection, long pump life, unique dry well chamber of each Mono ECO unit as well as the after sales support offered by Mono Pumps.

SEWL know that pressure sewer delivers the lowest whole of life costs based on directional drilling technology, smaller pipe diameters, reduced installation time, minimal disruption to

the local environment and lower impact on the local community, as well as ongoing operational and maintenance benefits which include zero programmed maintenance of the ECO pressure sewer units.

Mono equipment comes fully set up and tested from the factory, unlike other systems in the market, which makes on site installation very simple. This avoids repeat visits to site after tank installation to install and commission further equipment.

Added to these is the ability to work alongside Mono to develop a specific sewer solution package to suit the exacting requirements of the project. Mono worked along side SEWL to design pumping equipment for the Flinders and Shoreham transfer Pump Stations which operate Mono CE124/CT203 progressive cavity Munch Pumps. These units boost sewage flows at 20 litres per second against a discharge pressure of 150metres.

The hotel and local shopping strip at Flinders also have specifically designed pump stations that required smaller industrial solution. These utilise Mono Compact C/M18 progressive cavity Mutrator systems with typical flows of 3 litres per second.



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These applications highlight the knowledge, experience and flexibility that Mono has in the area of waste water transfer. This gave SEWL peace of mind is that they only had to deal with the one company for the entire scheme.

Mono Pumps have developed their pressure sewer technology by drawing on the experiences learned from over 55 years in the global waste water industry. Our expertise also comes from consulting closely and extensively within the industry and with the people who use our products and systems.

To find out how Mono can help you determine if pressure sewer is the right solution for you please contact your nearest

Mono office or call
1800 333 138 or visit
www.monopumps.com

Mono Pumps – pressure sewer
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