



Mono Pumps, in conjunction with South East Water and MWH, have been awarded a High Commendation by Engineers Australia in the Victorian Engineering Excellence Awards 2009.



## Mono's Pressure Sewer System eliminates leaking septic tanks

Flinders, a small coastal town located on the Mornington Peninsula, Victoria, Australia, was faced with a potentially damaging sewage pollution problem caused by ageing septic tanks.

Many of the septic tanks connected to the town's 800 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) set out to determine the best solution to connect the township to a sewerage system.

In doing so SEWL evaluated several different sewerage methods including gravity, vacuum and pressure sewer technology to determine the best method of providing a sewerage system.

Previously SEWL had used low pressure sewer systems in the nearby towns of Tooradin, Warneet and Cannons Creek. Using these experiences and an innovative approach to overcome a number of technical challenges associated with the town's remoteness and topography, SEWL selected 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.

It was also determined that pressure sewer would deliver 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.

Added to these was the ability to work alongside Mono to develop a specific sewer solution package to suit the exacting requirements of the project which also included Mono pumping equipment for the Flinders Transfer Pump Station which operates at a flow rate of 20 litres per second and a discharge pressure of 150 metres.

The initial project requirement for 385 Mono ECO units has been so successful that an additional 200 Mono ECO units have been required. This success has in no small part been due to the ease of installation of the sewer system and the strong commitment and connection rate from the Flinders community.

Mono Pumps have developed this pressure sewer technology drawing on the experiences learned from its strong heritage spanning 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

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](http://www.monopumps.com)

**Mono Pumps – pressure sewer with peace of mind.**

Product Type: **PSS-ECO 1-60 Pressure Sewer Units, CE124 45kW Booster Pumps and CT203 2.2kW Munchers**

Capacity: **Domestic Sewage**

Pressure: **PSS - 60m Boosters - 150m**

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