



Water Reclamation - Port Fairy Domestic Water Reclamation Plant

The Port Fairy Domestic Water Reclamation Plant is located west of the township and provides sewage treatment services to residential and business customers.

The raw sewage is collected via 18 pump stations around Port Fairy and is pumped via a single pump station to the water reclamation plant. The raw sewage undertakes a screening process which collects and washes large items and rubbish before it is disposed.

The treatment plant uses an Intermittently Decanted Extended Aeration (IDEA) process, which uses four one-hour cycles to treat the sewage. The four cycles include two stages of aeration, settling and decanting the treated water from the surface of the tank. Treated water then travels through a UV disinfection process, which assists in eliminating harmful bacteria. Clear water is then released to the ocean.

Sludge is removed from the bottom of the tank and de-watered using a belt press, which squeezes out excess water. The dried sludge is then stabilised and reused as a soil conditioner.



Sewage being treated in the Intermittently Decanted Extended Aeration (IDEA) process at the Port Fairy Reclamation Plant

AT A GLANCE

Port Fairy Domestic Water Reclamation Plant

2012/13 Volume Treated Sewage:	790ML
Number of Connections:	1,921
Storage Capacity:	3ML
Type of Treatment Used:	Intermittently Decanted Extended Aeration (IDEA)

IML = One Million Litres