

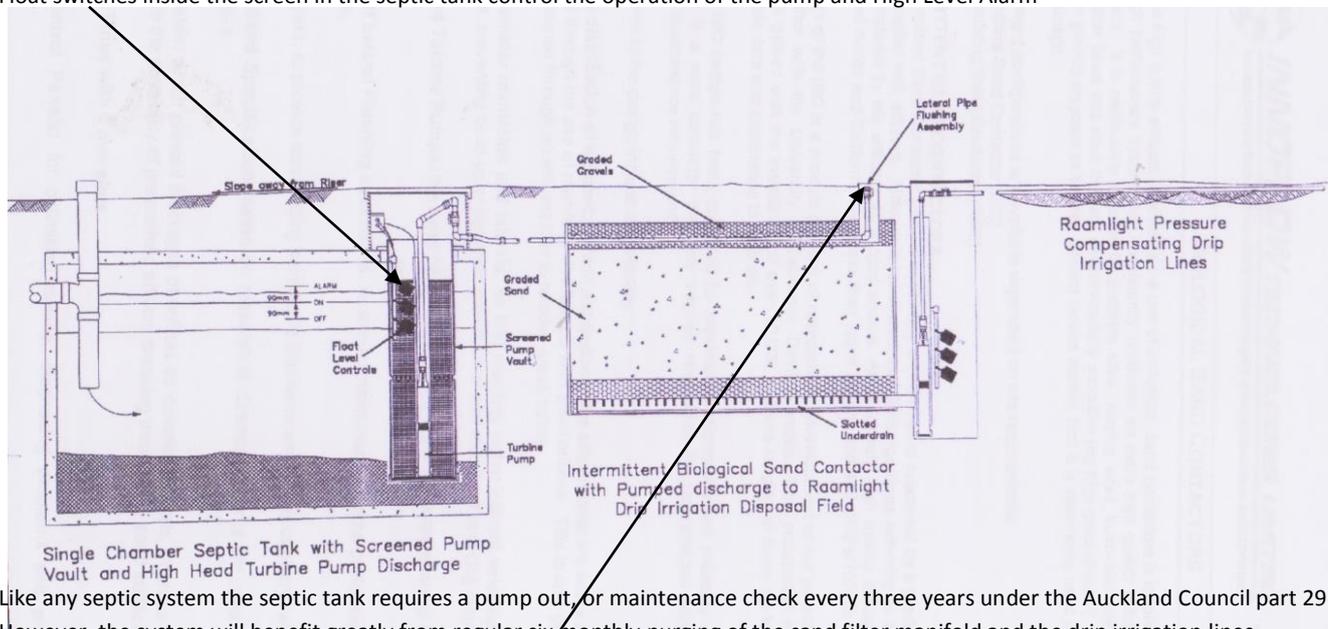


Maintenance Tips for Innoflow Biological Sand Contactors

Sand contactors reliably produce good quality effluent. As far as regular maintenance goes the systems require three yearly pump outs under the Auckland Council Part 29 bylaw, and a regular, (usually six monthly), filter manifold and line purge. It is also sensible to check the operation of the sand filter and discharge pumps and high level alarms at the same time, and see that the control box is free of vermin and ants. These are jobs a practical person could do themselves, if they were so inclined.

These systems work by first treating the sewage anaerobically in a septic tank and then pumping the screened effluent through a gravel or sand filter in order to gain a high level of biological treatment. The filtered effluent is then pumped to dripper lines around your property. Some more modern systems have recirculating pump chambers so that the effluent is able to obtain a higher level of treatment by passing through the sand filter more than once. These systems will have three pumps in total, the third controlling the flow of partially treated effluent back through the sandfilter for final polishing.

Float switches inside the screen in the septic tank control the operation of the pump and High Level Alarm



Like any septic system the septic tank requires a pump out, or maintenance check every three years under the Auckland Council part 29 bylaw. However, the system will benefit greatly from regular six monthly purging of the sand filter manifold and the drip irrigation lines.

To flush the manifold on the sand filter remove the caps on the flushing assembly one at a time and activate the pump within the screen by lifting the float switch, or adding more water to the septic tank until the pump comes on. Anything growing inside the manifold pipe will be purged out. Once the water is running clear turn off the flow from the septic tank, replace the cap on the flushing mechanism and move on to the next pipe to repeat the process. The drip lines beyond the sand filter also need to be flushed out in the same way. There should be flush taps at the end of each run of drip irrigation line.

Other problems that may arise with this system relate to pump failure or clogging of the screen at the pump inlet. It is best to call us or a registered drainlayer/plumber to look after these sorts of issues. We are also happy to arrange **maintenance contracts** for the routine flushing of the lines, and check the operation of the pumps, float switches and high level alarms on a regular six monthly basis. Should you be interested in taking up this option please do not hesitate to contact us.

WARNING Modern wastewater treatment systems have electrical components and many of these are immersed. Any wastewater system with an electricity supply is a potential hazard. The maintenance options supplied are provided entirely for use at the sole discretion of the maintenance provider(s). Greenacres Waiheke Limited accepts no responsibility in any form whatsoever for maintenance/repair work, accident or damage as a result of work undertaken by any party not in the employ of Greenacres Waiheke Limited.

Greenacres Waiheke Limited

Phone 3727614

P O Box 395, Oneroa
Waiheke Island
Auckland 1840

info@greenacreswaiheke.co.nz
www.greenacreswaiheke.co.nz