
GENERAL REQUIREMENTS FOR PRIVATE WASTEWATER PUMPING STATIONS

Traditional Pump Stations

Typically private pump stations are only permitted in exceptional conditions where it is not possible to obtain a gravity connection to the Council sewer within the prescribed distance under the Local Government Act. If part of the household unit can achieve a gravity connection, then that part is to be so connected.

The general requirement for private pump station is one per individual property.

Alternatives

Council is considering the use of grinder or septic pumping systems as part of its seeking sustainable servicing options and some areas may be required to have individual private grinder pump stations or septic tanks on each property. Conditions and design guidelines for these systems are under development.

Conditions

- 1.0 The volume of emergency storage above the alarm level shall be a minimum of 1,000 litres for a household unit containing no more than four bedrooms. (This allows for approximately 24 hours storage in emergency.)
- 2.0 An approved high water level alarm shall be fitted. (A red light located in the kitchen is an approved alarm). The alarm is to activate when the water level in the pump chamber exceeds the pump start level by 25mm.
- 3.0 A high level overflow shall be placed as near as possible to the pump chamber top. This shall discharge in a place on the property that is highly prominent to the Owner/Occupier, but will not cause any inconvenience to neighbours.
- 4.0 Generally one submersible pump is required for pump stations serving one household unit, and two pumps (duty and standby) in one pump chamber for stations serving commercial premises.

Stations that have two pumps are to have the controls so arranged that there is automatic duty change, and that the standby pump starts automatically after the high water level alarm has been activated.
- 5.0 Levels of the pump station, the sewer to which it is to pump, the pump specifications and the pump characteristics (capacity vs lift) are required with the permit application.
- 6.0 The pump station is to be built to ensure that no stormwater enters, either through the wall or the roof and lid. The lid is to be a minimum of 100mm above the ground level, and the surrounding ground graded away from the station.
- 7.0 The Manufacturer/Supplier specifications and calculations are to be provided with the Permit Application to prove the pump choice. Pumps of a macerator or grinder type are recommended.
- 8.0 Toilets and hand basins that discharge into a small tank with an installed pump (i.e. saniflo, sanitop, sanipaks or similar) will only be permitted where there are alternative WC and basin facilities within the same house, that are on gravity connections.

- 9.0 If a gravity connection is at any time in the future made available the owner will be required to connect to that connection at their expense.
- 10.0 The property owner shall enter into a contract with an appropriate service provider who shall be responsible for maintenance of the pump station on a minimum six monthly basis or in accordance with manufacturer's recommendations. All maintenance records shall be kept on the site and made available for Council inspection as required.

PRIVATE PUMP STATION PERMIT APPLICATION

Owner's Name: _____

Address of Property: _____

Legal Description: _____

Normal Activities Carried Out
On the Property RESIDENTIAL/COMMERCIAL

I agree to enter into a maintenance contract with an appropriate service provider to maintain the pump station and alarm in good working order, at all times, and to carry out any maintenance that may be required. Evidence of the contract are to be provided with this application.

If appropriate; I agree that if a gravity sewer connection becomes available in the future I will connect to it at my cost.

I agree to permit Council to inspect the pump station at any time, and agree to pay any reasonable inspection fee that Council may set for inspection of the pump station.

Signed: _____

Owner of Property

**INFORMATION REQUIRED WITH AN APPLICATION
FOR A PRIVATE WASTEWATER PUMP STATION**

CHECK LIST

1. Type of activity predominantly carried out on the property(Residential/Commercial)
 - Residential - Size of dwelling(No. bedrooms)
 - Commercial – (volume of wastewater produced per TP 58)
2. Type and Model of Pump/s proposed.
3. Manufacturer's Pamphlet giving specifications and Design curve for Pump.
4. Reduced Level of pump chamber invert
5. Reduced Level of connection to sewer main
6. Diameter, material and pressure rating of rising main
7. Position and Type of Alarm
8. Diagram of Pumping Station showing the following:-
 - Location Plan (scale 1:200)
 - Cross section of pump station (scale 1:20)
 - Cover details
 - Venting details
 - Dimensions of Chamber and Material specification.
 - Float Levels
 - Overflow position and level
 - Level and position of main Sewer line where rising main is to connect.
7. A copy of the maintenance contract. _____