

Application for Consent to Install a Wastewater Treatment System - Waitakere City Bylaw Number 19, 1990



Send to: The Chief Executive
Waitakere City Council
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Henderson
WAITAKERE CITY 0650

Deliver to: Waitakere Central
6 Henderson Valley Road
Henderson
Telephone (09) 839 0400
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I, the undersigned property owner _____

of (address) _____

hereby apply for permission to install a wastewater treatment system on the property at

known as Lot: _____ DP: _____

In support of this application a design provided by a registered engineer experienced in Public Health Engineering is submitted showing the location of buildings (existing or proposed), the proposed location of the wastewater treatment system, and the property boundaries.

There will be _____ (state number) persons normally living in the dwelling to be served by a proposed wastewater treatment system.

I hereby certify that I have read and understand the conditions listed on the attached Schedule and agree to abide by such conditions should approval be granted for the proposed wastewater treatment system.

Signed: _____ (Owner of property)

Date: _____

Note: This application can only be made by the legal owner or an intending legal owner of the property to which the application refers.

Office Use Only

Building Consent Application Number: _____

Schedule of Conditions for Wastewater Treatment System

1. All drainage work (including stormwater drainage), septic tank, effluent disposal drains, accessory sumps and pumping equipment (if required) is to be carried out by a registered drainlayer. A building consent shall be uplifted prior to commencing the work.
2. The wastewater treatment device and effluent disposal drains shall be sited in accordance with the engineer's design and should not be closer than 3 metres to a dwelling or other buildings and not closer than 1.5 metres to the legal boundary.
3. Factors considered in the approval of a site for a wastewater treatment system and in particular the effluent disposal system, include soil conditions, porosity, topography and stormwater control. Earthworks, including landscaping or any work, which disturbs the natural ground, may invalidate any approval given for a wastewater treatment system.

Before any earthworks are commenced in an area likely to be used for effluent disposal, prior approval from the drainage surveyor must be obtained.

4. Allowance for wastewater discharge from an automatic washing machine or automatic dishwasher (if required) must be included in the engineer's design.
5. **Kitchen waste disposal units are not permitted.**
6. The use of non-biodegradable detergents, bleaches and disinfectants that inhibit the function of wastewater treatment systems are not recommended and should be avoided.
7. The wastewater treatment system shall be regularly serviced and maintained with removal of sludge where necessary. Convenient access for a desludging vehicle shall be provided. **The maintenance programme shall be adhered to.**
8. Suitable shallow rooted trees and shrubs to assist in the absorption of effluent shall be planted adjacent to the effluent disposal system. Adequate stormwater control, and, if necessary, ground water cut off drains shall be installed.
9. Should a drainage nuisance occur at any time immediate attention is to be given to the abatement of the nuisance. (Septic tank effluent discharging in any position is a serious health hazard.)
10. In the event of a public sewerage system being installed to service the property on which a wastewater treatment system is installed, connection shall be made to the sanitary sewer within one month of notice to connect and the use of the wastewater treatment system discontinued.
11. Water saving devices shall be installed where recommended in the engineer's design.
12. No alteration is permitted to the design without the engineer's consent. The engineer shall provide to Council on completion of the installation a certificate certifying that the system has been installed in accordance with his design.

Procedure for Percolation Testing

1. This test is to be used in conjunction with a soil profile and may not be necessary where a full soil profile is provided.
2. Test holes of 100mm diameter shall be bored to the depth of the proposed disposal trench or soakhole. The soil profile shall be recorded as excavation proceeds.
3. The holes shall be prepared by carefully scratching the sides with a sharp-pointed tool to remove any smeared soil surfaces and to provide a natural soil interface through which water may infiltrate.
4. The test should be performed in the following manner:
 - (a) The hole shall be filled with water and maintained full for at least 4 hours but preferably overnight.
 - (b) The percolation rate shall be determined 24 hours after the water was first introduced into the hole. This procedure is to ensure that the soil is given ample opportunity to swell and approach close to normal operating condition for the season of the year in which the test is carried out. In sandy soils containing little or no clay, the swelling procedure is not appropriate and the test may be made after water from one filling of the hole has completely seeped away.
 - (c) The percolation rate shall be determined by filling the hole with a minimum of 225mm of water and recording the drop in water level at regular intervals, over a minimum period of 4 hours, adding water when nearly empty so as to maintain the required minimum depth. The drop in water level should be plotted on a graph against time and the percolation rate in mm per hour determined from the minimum slope of the curve.
 - (d) Site Evaluation shall be in accordance with Auckland Regional Council Technical Publication No. 58.
5. Information gathered on the soil profile and soil category shall be reported together with the percolation rate determined and other site conditions relative to consideration of the area for onsite disposal of effluent.
6. A copy of the "General Authorisation for Domestic Waste Water Disposal" from Auckland Regional Council is listed as follows:
 - 1.0 The discharge shall not exceed 7000 litres over any consecutive 7 day period, of which not more than 2000 litres is discharged on any individual day.
 - 2.0 The proportion of gross lot area to discharge volume is equal to or greater than 1.5M² per 7 litres per week.
 - 3.0 The investigation for design, installation and maintenance of the wastewater pre-treatment and disposal system is in accordance with the principles and procedures outlined in Auckland Regional Council Technical Publication No. 58 "On-site Wastewater Disposal from Households and Institutions".
 - 4.0 The territorial authority, in consultation with the Auckland Regional Council, where necessary, is satisfied there is no risk of pollution to any underground water at a point of extraction, or to any surface water, and further provided that the discharge may continue only so long as there remains no risk of pollution of underground water at point of extraction or to any surface water.
 - 5.0 The disposal method is approved by the territorial authority and necessary consent have been issued in accordance with the Building Act 1991 and the Resource Management Act 1991.

For the following purposes of this authorisation “domestic wastewater” shall be defined as follows:

“Wastewater originating from water closets and urinals, kitchens, bathrooms (including shower, bath, washbasins) and domestic laundries”.

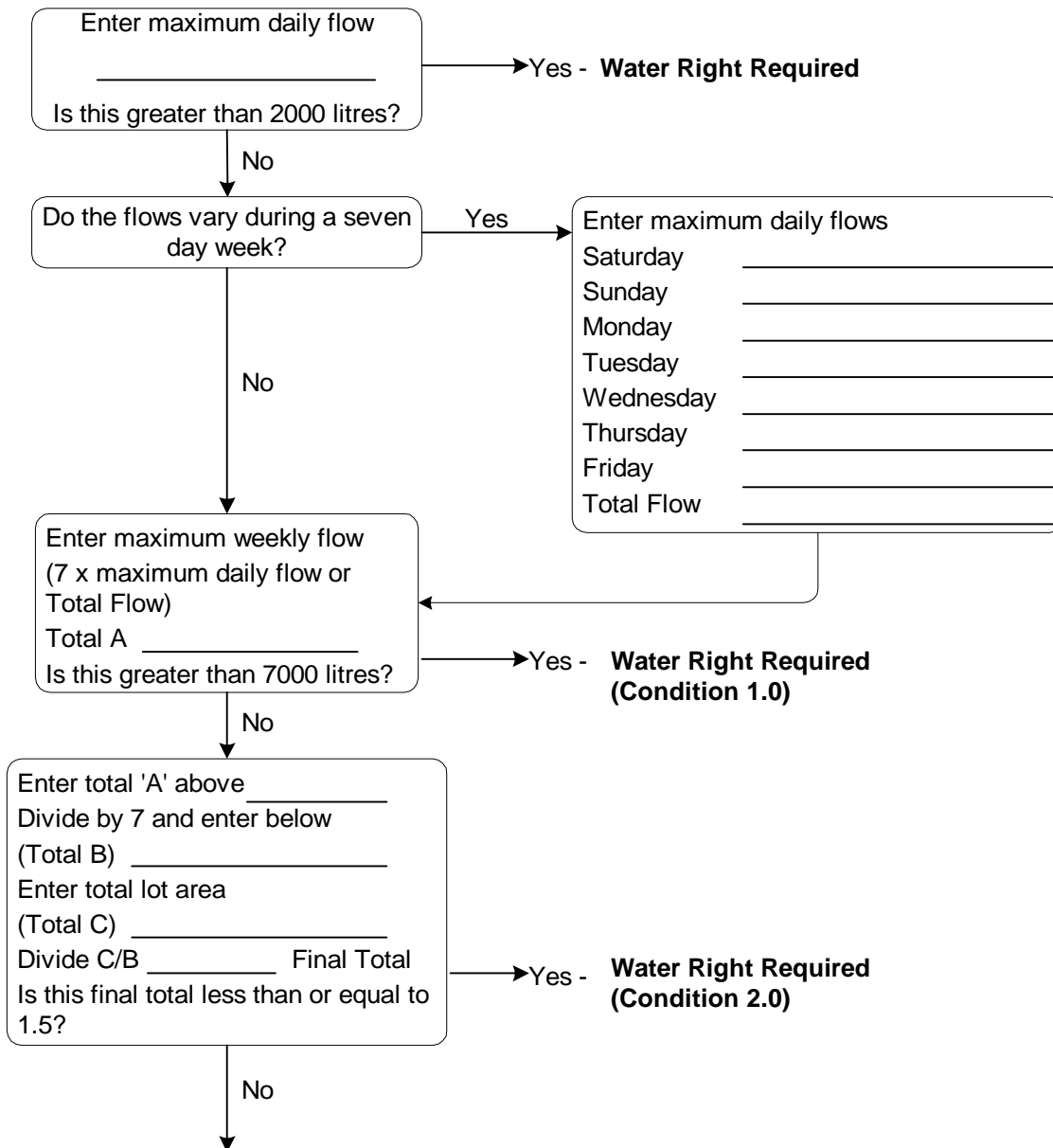
and “on-site wastewater disposal” shall be defined as follows:

“Disposal of domestic wastewater to land within the property boundaries of its place of origin”.

7.0 Calculations

Note: When entering data for these calculations, all volumes should be specified in litres, eg; 700 litres.

To convert cubic metres to litres multiply by 1000, eg; $0.7\text{m}^3 \times 1000 = 700$ litres



Preliminary evaluation indicates that a water right is not required.

For confirmation, forward information to Waitakere City Council for assessment of design risk of:

- design
- risk of pollution
- compliance with territorial authority requirements