

EVALUATION AND INFORMATION FOR ONSITE WASTEWATER DISPOSAL

Office Use Only



Notes

- This form **MUST** be completed by the registered plumber/drainlayer/engineer carrying out the job.
- You must **fully** complete both this form. Provide as much detail as you can. If you do not provide adequate information then we will not be able to process your application, and will return it to you.
- Remember to sign and date the form. An emailed form must have an electronic signature. If you email or fax your form, you must still mail or hand deliver a paper copy to the Council.

If you need any further help, please phone a member of the Consents team on **(03) 768 0466** or **0508 800 118**.

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Application Number:

Contact details

Applicant details

For **individuals**, you must provide the full names of all individuals (such as John Robert Smith and Mary Jane Williams).

Full name/s of applicant/s This is the name/s that the permitted activity will be listed in. We will not accept applications made in the name of unregistered companies.				
Applicant's postal address				
Email address				
Phone number/s	Home:		Business:	
	Mobile:		Fax:	

Plumber/Drainlayer/Engineer details

Name/company name				
Contact person				
Certification Number				
Postal address				
Email address				
Phone number/s	Home:		Business:	
	Mobile:		Fax:	

Location and Site Details

Property address / Location:	
Legal description / Site description:	
Map reference (NZTM):	

Territorial Authority in which the activity will be located

Buller Grey Westland

Please provide details/a detailed map of where the activity will occur.

You must supply a location map or diagram on a separate sheet of paper that shows the site of your activity and its local environment. The site plan does not need to be to scale but must contain all of the following:

- Orientation (North arrow and scale)
- Site location
- Location of proposed waste water system
- If applicable, a Certificate of Title
- Location of proposed and existing dwellings and roads
- Location of nearby bores or wells and whether they are used for human consumption
- Type and size of septic tank proposed
- Location and size of disposal area
- Identification of all watercourses including diversions and distances
- Existing and planned vegetation and landscaping
- Alternative disposal areas and dimensions

Subsoil Investigation

Soil Strata

When did you dig your test pit?

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Please identify in the box below the soil layers where you are proposing your disposal field.

Note 1 - You need to demonstrate that you have at least 1m clearance from any ground water. This is necessary to avoid ground water contamination from your chosen disposal field.

Note 2 - Your soil strata analysis depth may depend on the system proposed. Please complete appropriate sketch box.

Sketch 1 (For Deep Test Pit)

Depth	Category	Soil Description
0m		
1m		
2m		
3m		
4m		
5m		

Sketch 2 (For Shallow Test Pit)

Depth	Category	Soil Description
0m		
0.5m		
1m		
1.5m		
2m		
2.5m		

At what length did you find the groundwater (if found)?

What date was the groundwater reading taken ?

When was the last substantial rainfall ?

Advice note: If the soak pit is located near the coast, the groundwater reading should be taken at high tide.

Textural Analysis

Estimate the soil category:

Table A

Soil Category	Texture	Tick One	Design Loading Rate (DLR) mm/day
1	Gravels and sands	<input type="checkbox"/>	25
2	Sandy loams	<input type="checkbox"/>	20
3	Loams	<input type="checkbox"/>	15
4	Clay loams	<input type="checkbox"/>	10
5	Light clays	<input type="checkbox"/>	4
6	Medium to heavy clays	<input type="checkbox"/>	N/A (not suitable)

Describe the method(s) you used to determine the soil category:

Percolation Testing

Have you carried out a percolation test ?

Yes

No

If "Yes" describe methods and results:

System Designs

Treatment

How many bedrooms are in the dwelling (proposed or existing):

Table B

Number of bedrooms	Please Tick	Minimum septic tank capacity (if used)	Average daily flow rate (Q) in litres
Up to 2	<input type="checkbox"/>	3500	800
3	<input type="checkbox"/>	3500	1000
4	<input type="checkbox"/>	5000	1400
5	<input type="checkbox"/>	5000	1800
6	<input type="checkbox"/>	5000	2000

Describe the treatment system you are proposing (e.g. septic tank, packed bed reactor, aerated wastewater treatment system), including tank sizes?

Disposal

How will effluent get from the treatment system to the disposal field:

Trickle

Dose-loaded via:

Pump

Flout

Siphon

What type of disposal field are you proposing? i.e. soakage trenches, "on the land" irrigation, Wisconsin mound. Please attach sketch/diagram/plans/photographs.

Why did you choose this type of disposal system?

For soakage trenches:

What width of trench will you use?

What length of trench will you use?

$$Length = \frac{Q}{DLR \times W}$$

Q = daily flow rate (see Table B)
DLR = Design Loading Rate (see Table A)
W = Trench width in metres

Example:

(3 bedroom dwelling in category 2 soil. Trench width 0.8 metres)

Daily flow rate (Table B)
Design loading rate (table A)
Trench Width

Q = 1000 litres
DLR = 20 mm/day
W = 0.8 metres

$$Length = \frac{Q}{DLR \times W}$$

$$Length = \frac{1000}{20 \times 0.8} \\ = 62.5m$$

Total Trench Length should be 63 metres

COMPLIANCE WITH RULE 79

Please tick

1. The discharge does not exceed:
- I) A maximum of 2,000 litres per day for secondary treatment systems;
 - II) A maximum of 14,000 litres per week for other systems;
 - III) A maximum of 1,300 litres of grey water per day.

2. The discharge is not within:
- I) 50 metres of any surface water body;
 - II) 50 metres of the coastal marine area;
 - III) 100 metres of any bore or well used for potable water supply, where the discharge is from a soak pit and there are no adverse effects on any take of water for human consumption;
 - IV) 50 metres of any bore or well used for potable water supply where the discharge is from other treatment systems;
 - V) 20 metres of any drain; and
 - VI) 1 metre of the ground water table;

Unless the system was installed before 1998 and is not contaminating water.

3. For systems other than soak pits, the hydraulic design loading rates for a disposal field shall not exceed those recommended for Category 1 – 3 soils in AS/NZS 1547: 2012 'On-site Domestic Waste Water Management', unless the system was installed before 1998 and is not contaminating water; and

4. The greywater discharge is not within:
- I) 20 metres of any surface water body;
 - II) 20 metres of any coastal water;
 - III) 20 meters of any bore or well used for potable water supply, and there are no adverse effects on any take of water for human consumption;
 - IV) 0.6 metres of the groundwater table.

5. There is no ponding, flooding, runoff, or surface breakout will occur

6. No stormwater enters the system

7. The discharge does not pose a risk to human health, and is not noxious, dangerous, offensive or objectionable to such an extent that it will be likely to have an adverse effect on the environment.
8. For systems which use a disposal field the system is designed to provide for even distribution of effluent to the entire filtration surface.
9. If the system will be discharging *onto* land:
- I) The discharge is not by spray irrigation or otherwise produces any aerosol discharge to air
 - II) The effluent is evenly distributed over the entire area of the disposal field?
 - III) The effluent conforms to the following standards:
 - BOD5 not greater than 20 mg/litre
 - Suspended solids not greater than 30 mg/litre
 - Faecal coliforms not more than 1000/100ml

Assessment of system design completed by:

Signature of applicant or applicant's agent

Date

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Print Name (BLOCK CAPITALS)

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More information

For more information, visit our website at www.wcrc.govt.nz or phone the Consents team on (03) 768 0466 or 0508 800 118.



THE WEST COAST
REGIONAL COUNCIL

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