

Onsite Wastewater Disposal Site & Soils Assessment



Use for Subdivision or Land Use Resource Consent

The design standard for waste water treatment and effluent disposal systems is AS/NZS 1547:2012. All references in this form relate to this standard.

Applications should provide sufficient information to demonstrate that all lots will be capable of accommodating an on-site system.

Site Description

Property Owner: _____

Location Address: _____

Legal Description (eg Lot3 DP1234) : _____

List any existing consents related to waste disposal on the site: _____

General description of development / source of waste water: _____

The number and size of the lots being created: _____

Site Assessment (refer to Tables R1 & R2 for setback distances to site features)

Land use _____

Topography _____

Slope angle _____

Aspect _____

Vegetation cover _____

Areas of potential ponding _____

Ephemeral streams _____

Drainage patterns and overland paths _____

Flood potential (show with return period on site plan) _____

Distance to nearest water body _____

Water bores with 50m (reference ORC Maps) _____

Other Site Features _____

Slope stability assessment details – summarise any areas unsuitable for waste water irrigation.
(Attach report if applicable): _____

(Highest potential) Depth to ground water:

Summer _____

Winter _____

Information Source _____

What is the potential for waste water to short circuit through permeable soils to surface and / or ground water?

Soil Investigation (Appendix C)

Field investigation date: _____

Number of test pit bores (C3.5.4): _____

Soil investigation addendum to be attached that includes a plan showing test pit or bore location, log results and photos of the site profile.

If fill material was encountered during the soil investigation state how this will impact on the waste water system:

Average depth of topsoil: _____

Indicative permeability (Appendix G) : _____

Percolation test method (refer to B6 for applicability) : _____
(attach report if applicable)

Soil Category (Table 5.1)	Soil Texture (Appendix E)	Drainage	Tick One
1	Gravel and sands	Rapid	
2	Sandy loams	Free	
3	Loams	Good	
4	Clay loams	Moderate	
5	Light clays	Moderate to slow	
6	Medium to heavy clays	Slow	

Reasons for placing in stated category:

Loading rate, DLR (Table L1): _____

Explanation for proposed loading rate: _____

Recommendations from site and soils assessment

- Specify any design constraints
- Specify any areas unsuitable for location of the disposal field
- Specify any unsuitable treatment and/or disposal systems
- Propose suitable mitigation to enable successful effluent treatment

Attachments Checklist

- Copy of existing consents
- Soil investigation addendum
- To scale site plan, the following must be included on the plan:
 - Buildings
 - Boundaries
 - Retaining Walls
 - Embankments
 - Water bodies
 - Flood potential
 - Other septic tanks / treatment systems
 - Water bores
 - Existing and proposed trees and shrubs
 - Direction of ground water flow
 - North arrow

Note that an Otago Regional Council (ORC) consent may also be required to discharge domestic waste water to land if any of the following apply:

- Daily discharge volume exceeds 2,000 litres per day
- Discharge will occur in a groundwater protection zone
- Discharge will occur within 50 metres of a surface water body (natural or manmade)
- Discharge will occur within 50 metres of an existing bore/well
- Discharge will result in a direct discharge into a drain/water ace/ground water
- Discharge may runoff onto another persons' property

If any of these apply then we recommend that you correspond with the ORC;

*Otago Regional Council
"The Station" (upstairs)
Cnr. Camp and Shotover Streets
P O Box 958
Queenstown 9300*

Tel: 03 442 5681

I believe to the best of my knowledge that the information provided in this assessment is true and complete. I have the necessary experience and qualifications as defined in Section 3.3 AS/NZS 1547:2012 to undertake this assessment in accordance with the requirements of AS/NZS 1547:2012:

Company: _____

Email: _____

Phone number: _____

Name: _____

Signature: _____

Date: _____

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