EVALUATION AND INFORMATION FOR ON-SITE WASTEWATER DISPOSAL

1.0 SITE EVALUATION – This information and evaluation has been carried out by:

This form MUST be completed by the registered plumber/drainlayer/engineer carrying out the job.

Name: .....

Organisation: .....

Address:.....

.....

Phone: ( ) ..... Fax ( ) .....

2.0 SITE INFORMATION

2.1 Location Details

Legal Description (Deposited/Survey Plan #) .....

Owner/Occupiers Name .....

Site Address .....

2.2 Site Details

In order for permitted activity status to be given a site plan shall be submitted with this form:

The site plan does not need to be to scale but must contain all of the following:

- 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; and
- A North arrow.

3 SUBSOIL INVESTIGATION

3.1 Soil Strata

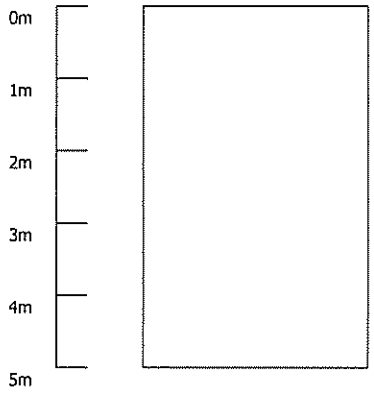
When did you dig your test pit?

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

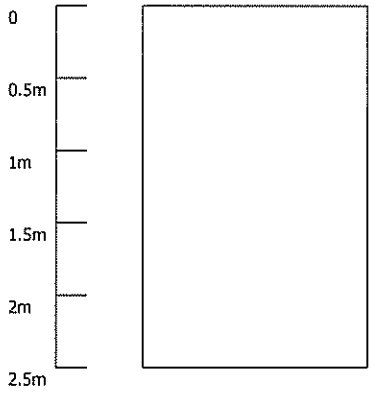
Note 1 - You need to demonstrate that you have at least 1m clearance from any ground water. This is necessary to avoid ground water contamination from your chosen disposal field.

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

Sketch 1 (For Deep Test Pit)



Sketch 2 (For Shallow Test Pit)



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 ground water reading should be taken at high tide.*

3.2 Textural Analysis

Estimate the soil category:

Table A

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

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

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3.3 Percolation Testing

Have you carried out a percolation test ? Yes/No

If "Yes" describe methods and results: .....

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4 SYSTEM DESIGNS

4.1 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	O	3500	800
3	O	3500	1000
4	O	5000	1400
5	O	5000	1800
6	O	5000	2000

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

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4.2 Disposal

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

Dose loaded o Pump or siphon? ..... Brand? .....
Gravity trickle o

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

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Why did you choose this type of disposal system? .....

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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) Q = 1000 litres
Design loading rate (table A) DLR = 20 mm/day
Trench Width W = 0.8 metres

$$Length = \frac{Q}{DLR \times W} \qquad Length = \frac{1000}{20 \times 0.8}$$
$$= 62.5m$$

Total Trench Length should be 63 metres

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5 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;	O
II)	A maximum of 14,000 litres per week for other systems;	O
III)	A maximum of 1,300 litres of grey water per day.	O

2. The discharge is not within:

I)	50 metres of any surface water body;	O
II)	50 metres of the coastal marine area;	O
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;	O
IV)	50 metres of any bore or well used for potable water supply where the discharge is from other treatment systems;	O
V)	20 metres of any drain; and	O
VI)	1 metre of the ground water table unless the system was installed before 1998 and is not contaminating water.	O

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;	O
II)	20 metres of any coastal water;	O
III)	20 metres of any bore or well used for potable water supply and there are no adverse effects on any take of water for human consumption;	O
IV)	0.6 metres of the groundwater table;	O

5. There is no ponding, flooding, runoff, or surface breakout will occur? O
6. No stormwater enters the system? O
7. The discharge does not pose a risk to human health and will not be noxious, dangerous, offensive or objectionable to such an extent that it will be likely to have an adverse effect on the environment? O
8. For systems which use a disposal field the system is designed to provide for even distribution of effluent to the entire filtration surface. O

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? O

II) The effluent is evenly distributed over the entire area of the disposal field? O

III) The effluent conforms to the following standards:

- BOD5 not greater than 20 mg/litre? O
- Suspended solids not greater than 30 mg/litre? O
- Faecal coliforms will not be more than 1000/100ml? O

Assessment and system design completed by:

_____ _____

Signed Date

OFFICE USE ONLY

5.0 STAFF ASSESSMENT

5.1 Compliance

Can the proposed system comply with all the conditions of Rule 79 Yes/No

Has a site visit been undertaken? Yes/No

Date of site visit:

Comments from site visit: .....

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What follow up is required to achieve compliance (e.g. advice to client, engineers design requested, further site visit)?

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Confirm compliance with Rule 79: Yes/No

5.2 Non-Compliance

Which condition(s) of Rule 79 will the proposed system not comply with?

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If the system does not meet the conditions contained under Rule 79 has the Regional Council been advised?

Yes/No

Signed: _____ **BUILDING OFFICIAL or ENVIRONMENTAL HEALTH OFFICER**

Date: _____