

CON090: APPLICATION FOR PERMITTED ACTIVITY

TO DISCHARGE ON-SITE WASTEWATER (SEWAGE TANK EFFLUENT) INTO LAND

If you need help in filling out this form please contact our Customer Services staff on (03) 353-9007 or toll free 0800 EC INFO (0800 324 636). They will be able to provide some general assistance.

Send the completed application to: *Environment Canterbury, 58 Kilmore Street, P O Box 345, Christchurch 8140.*

FOR OFFICE USE ONLY

Application number:

PART A: APPLICATION DETAILS

1. Name and address of applicant(s):

Surname:	First names (in full):	Mr/Mrs/Ms/ Miss/Dr/Prof.
_____	_____	_____
Surname:	First names (in full):	Mr/Mrs/Ms/ Miss/Dr/Prof.
_____	_____	_____
OR		
Registered Company name and number: _____		
Postal address: _____		
		Postcode: _____
Phone (home):	Phone (business):	
_____	_____	
Fax (home):	Fax (business):	
_____	_____	
Email:	Cellphone:	
_____	_____	
Contact person: _____		

2. Consultant/Agents details (if applicable):

Contact person:	_____
Company:	_____
Postal address:	_____
	Postcode: _____
Email:	Cellphone:
_____	_____
Phone:	Fax:
_____	_____

During the processing of your application who will be the contact person for making decisions? Applicant Consultant / Agent
Note: All correspondence during the consent investigation process will be directed to this contact person, unless instructed otherwise. Final decision documents will be sent to the applicant.

Who will be the contact person for compliance monitoring matters? Applicant Consultant / Agent

3. The location of the site to which this application relates:Site address:
_____Locality/Township:
_____District or City Council area:
_____Legal description:
_____Map reference (if known):
_____Building consent number (if known):

The legal description can be found on the certificate of title, valuation notice, subdivision plan or rate demand for the site.

PART B: DESCRIPTION OF THE PROPOSED ACTIVITY

1. LEGAL AND PLANNING MATTERS

1(a) Does your proposal comply with the conditions of the General Authorisation for Sewage Tank Disposal included in the Transitional Regional Plan 1991? Yes No

1(b) Does your proposal comply with the conditions in Rule WQL8 of the Proposed Natural Resources Regional Plan Chapter 4: Water Quality? Yes No

Note: A copy of these rules can be found at www.ecan.govt.nz/ResourceConsents/Forms or by contacting Customer Services.

If you answered No to either 1(a) or 1(b), your discharge of wastewater into land is not a permitted activity. Please fill in an Application for Resource Consent to Discharge On-Site Wastewater into Land.

2. SITE DESCRIPTION

2(a) Soil:

- Was a test hole dug? Yes No

If no, how was a site and soil evaluation conducted? _____

If yes, was it a test pit or auger hole? Test pit Auger hole

Please indicate the location of the test hole(s) on the location map (see 3(c)) and attach clear colour photographs of the soil layers to this application.

- Depths of hole(s)? _____ m
- Was groundwater observed? Yes No
If yes, at what depth? _____ m
- Were any iron stains or signs of mottling observed? Yes No
If yes, at what depth? _____ m

Note: Mottling is a discolouration or staining by a colour which is not part of the dominant soil colour. Mottling is an indication that groundwater has, at some time, fluctuated up to this level. If water has fluctuated that high at some time in the past, the potential exists for a recurrence. The highest groundwater level is now assumed to be the level at which the mottling was observed irrespective of whether water is present at the time the test hole was dug.

- What are the soil and subsoil types at the location of the discharge (e.g. gravels, sands, sandy loams, loams, clay loams, light clay, medium to heavy clay etc) and what is the thickness of each layer?

Top soil:	Thickness of layer:	mm
Subsoil 1:	Thickness of layer:	mm
Subsoil 2:	Thickness of layer:	mm
Subsoil 3:	Thickness of layer:	mm
Subsoil 4:	Thickness of layer:	mm

Note: Please specify the soil types to at least 600 mm below effluent disposal depth, e.g. 600 mm below drip line irrigation or base of sand trench.

- Soil category of least permeable soil type from Table 4.2A4, AS/NZS 1547:2000 On-Site Domestic Wastewater Management:

2(b) Groundwater:

Note: You can obtain most of the following information from our website (www.ecan.govt.nz/EcanGIS/news.html) using our GIS mapping programme or alternatively you can contact Customer Services who may be able to help you obtain some of the following information.

- What is the highest potential groundwater level (in metres below ground level) beneath your property or surrounding your property? _____m

Note: The list of questions below may help you to determine this level

- Is the property located over the coastal confined or semi confined/unconfined aquifer?
 - Coastal confined
 - Semi-confined/unconfined
 - Neither
- Have you taken groundwater readings from your on-site well or a neighbouring well that might indicate the water table level below the land application system?
 - Yes
 - No
 - N/A

If yes, please specify the levels recorded and the dates the readings were taken. (Include the well number and specify its distance from the proposed land application system).

- Does Environment Canterbury have groundwater level data for wells located within one kilometre of your property?
 - Yes
 - No

If yes, please complete the following table:

Well Number	Well depth (metres)	Distance (metres) and direction from land application system	Highest groundwater reading (metres below ground level)	Number of readings	Years readings were taken
<i>Example: L35/0241</i>	8.9	180m NW	2.6	87	1973 to 1989

- If any of these groundwater readings are not relevant to your property, please explain why; e.g. your property is on a higher terrace than these wells, the groundwater below your property is artesian etc. _____

2(c) Other site details

- Area of property: _____ hectares

Note: If the property is less than four hectares you must provide a certificate of title.

- Is the property part of a subdivision which occurred after 28 September 1991? Yes No Don't know
- Is there a sewerage pipeline network within 30 metres of your property boundary? Yes No
- Is the water supply for the dwelling:
 - Public supply
 - Private well

Rainwater (roof collection)

- Are there any other wastewater discharges to land within 50m of the proposed land application system? Yes No
- Will the land application system be located closer than 20 metres to any surface water or wetland? (e.g. river, lake, drain, sea, swamp, artificial waterways, etc) Yes No
- Will the land application system be located in any low-lying areas or depressions on the property? Yes No
- Will the land application system be on a slope greater than 20 degrees? Yes No
- Has the site of the proposed land application system ever been covered with flood water?
 Yes No Don't know If Yes, how often? _____
- Is the altitude of the site greater than 1000m? Yes No

3. DETAILS OF ON-SITE WASTEWATER SYSTEM:

3(a) Volume of contaminant discharged:

- Is the discharge from a single dwelling? Yes No
If No, please provide details: _____
- How many bedrooms does your dwelling have? _____
- What is your proposed maximum daily flow? _____ L / day

The table below may assist you in determining how much wastewater will be produced per day per dwelling.

Number of bedrooms	Daily flow (Litres)
1	400
2	800
3	1000
4	1400
5	1600
6	2000

- If the proposed maximum daily flow differs from that listed in the table, please specify why: _____
- If the wastewater is not solely from a domestic dwelling, please specify the maximum number of visitors/customers and staff that has been used to calculate the maximum daily flow. _____
- Do you carry out a home-based hobby or business which produce waste that is/will be discharged into the wastewater system? Yes No
If Yes, please give details: _____
- Are there any existing wastewater treatment systems on the property? Yes No
If Yes, what is the maximum daily flow? _____ L / day

3(b) Design of treatment unit:

- What is the proposed treatment unit?
 Septic tank Aerated wastewater treatment system Other
- Name of proposed treatment unit: _____
- Does the unit have more than one chamber? Yes No
- What is the total capacity of the treatment unit? _____ L

- Will an effluent filter be installed? Yes No
- How will the wastewater be dosed from the treatment unit to the land application system? Pump Siphon

3(c) Design of land application system:

Location map:

Please attach a map to this application form which includes the following:

- **The location and distance from the land application system to:**
 - ◊ *The dwelling;*
 - ◊ *All property boundaries;*
 - ◊ *All wells or watercourses (including drains) on the property and on any neighbouring properties; and*
 - ◊ *Any existing on-site wastewater systems.*
- **The location of the nearest road/s;**
- **The dimensions of the land application system;**
- **Location of the test hole(s) (if applicable);**
- **An arrow indicating north;**
- **An arrow indicating the direction of groundwater flow; and**
- **Whether the map is to scale.**

Please complete the details for one of the following land application systems and then proceed to Part C.

Drip line irrigation land application system:

- Application rate: _____ mm/m² /day
Note: The required application rate can be found in Table 4.2A4 AS/NZS 1547:2000 On Site Domestic Wastewater Management, based on the least permeable soil category.
- Length of drip line: _____ m
- Distance between drip lines: _____ m
- Irrigated area: _____ m² (length of drip line(m) x distance between drip line (m))
Note: maximum daily flow (L/day) [as stated in question 3(a)] ÷ application rate (mm/mm² /day) = irrigated area (m²)
- Will the drip line be covered with between 100 and 150 mm of soil? Yes No

Sand trench land application system:

- Trench length: _____ m
- Trench width: 0.6m (single pipe) 1.2m (double pipe)
 1.8m (triple pipe) Other, please provide details _____
- Area of land application system: _____ m² (i.e. trench length (m) x trench width (m))
- Application rate: _____ mm/day
(i.e. maximum daily flow (L/day) [as stated in question 3(a)] ÷ area of land application system (m²))
- Will the treatment trench have a minimum of 600mm 2A Sand? Yes No
- Is there a reserve area available? Yes No

Please attach a cross-section plan of the sand trench to this application form.

Soak Hole:

- Please attach a cross-sectional plan and dimensions of the soak hole.
- Note: Soak holes are only permitted if the property is located in a sewage management area. This information can be obtained from Customer Services.**

PART C: SIGNATURE AND DATE

I agree, that to the best of my knowledge, the details supplied in this application are correct.

I also agree that to be considered a permitted activity I will ensure that the following conditions of permitted activity status will be complied with at all times:

- The discharge will not result in wastewater flowing, seeping, or ponding on the surface of the ground.
- There will be no discharge of wastewater directly to surface water or directly into groundwater.
- When the construction of the treatment and land application system or soakage hole is completed:
 - (a) The work will be certified by a suitably qualified and competent person as having been carried out in accordance with the design plans; and
 - (b) A copy of the certificate will be forwarded to Environment Canterbury within twenty working days following completion of the work.
- The treatment and land application system will be operated and maintained in accordance with the system’s design specifications for maintenance.
- The primary treatment tank or chamber will:
 - (a) Have an access point or points for inspecting and maintaining the effluent filter, monitoring the accumulation of sludge and desludging the tank or chamber. The access point or points will be accessible for these purposes at all times; and
 - (b) Be inspected at least once a year and the depth of accumulated sludge in the primary treatment tank or chamber measured; and
 - (c) Be desludged when the accumulated scum and sludge occupy more than two-thirds of the volume of the tank or chamber.
- The following information will be recorded, and a copy of these records made available to Environment Canterbury upon request:
 - (a) Maintenance of the treatment and land application system, including inspection, desludging or remedial work; and
 - (b) Dates works are undertaken and the name of the company undertaking the work.

Signature of consultant

Date

Full name of person signing – please print

Signature of applicant

Date

Full name of person signing – please print

Note: If the applicant has not seen and signed this application form, it cannot be processed.

CHECKLIST OF ITEMS TO BE INCLUDED WITH THE APPLICATION

- Map showing location of dwelling, land application system, wells, watercourses and property boundaries.
- Map of the proposed subdivision (if applicable).
- A cross-section plan of the land application system.
- Photographs of the soil profile (if applicable).
- Sign and date this application form (both the applicant and consultant if one is used).