

CON070: APPLICATION FOR A RESOURCE CONSENT UNDER THE RESOURCE MANAGEMENT ACT 1991

DISCHARGE OF CONTAMINANTS INTO LAND FROM AN ONSITE WASTEWATER SYSTEM

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

Email the completed application to: ecinfo@ecan.govt.nz
Or send to Environment Canterbury, PO Box 345, Christchurch 8140

FOR OFFICE USE ONLY

Receipt number:

Charges paid: CRC:

Information

Section 88 of the Resource Management Act 1991 specifies the requirements for applications for resource consents, and requires that each application includes a description of the activity, a planning assessment, and an assessment of the actual and potential effects of the activity on the environment, amongst other things. We recommend you read [Section 88](#) and [Schedule 4](#) of the RMA prior to completing this form.

Completing all the questions in this application form in full:

- May satisfy the requirements of the Resource Management Act 1991 for an application for resource consent. Environment Canterbury will inform you if further information is required.
- Will assist with the prompt processing of your application. Any omissions in this form may result in your application being returned (under Section 88(3) of the RMA) and may result in additional costs while the required information is obtained.

Charges

Your application must be accompanied with the deposit charge specified in the "Summary of Resource Consent Charges" or at <https://www.ecan.govt.nz/do-it-online/resource-consents/understanding-consents/consent-costs/>. The deposit may not cover all charges related to the auditing of the application. The applicant may be invoiced for additional charges. If an application is declined, all charges must still be paid.

All accounts are payable by the 20th day of the month following the date of invoice. If the account is not paid within 30 days after the due date, our debt collection agent may charge you a fee equal to 25% of the unpaid portion of the account, but no less than \$25.00. Where the total debt collection costs, legal and other costs arising from the collection of any amount owing exceeds the debt collection fee charged, our debt collection agent is also entitled to recover such additional costs. All Environment Canterbury charges must be met by the applicant. This may include time spent discussing issues with the applicant and any other parties involved in the process.

Name of person/company/organization that is paying the deposit	
Method of payment: cheque/internet banking/paid in person at Environment Canterbury office	
Date payment is made	
Payment reference e.g. applicant name	

Checklist of items to include with application form:

- ☐ Map showing location of dwelling, land application system, bores, watercourses and property boundaries at the site
- ☐ Map of the proposed subdivision (if applicable)
- ☐ A cross-section plan of the land application system

- ☐ Written approvals and a map that indicates the properties of people who have provided their written approval to your proposal (if applicable)
- ☐ Photographs of the soil profile
- ☐ A flood hazard assessment (If applicable)

When you have completed this form

To submit your application and the relevant fixed charge or deposit, you need to either email it to ecinfo@ecan.govt.nz, or send it to: **Environment Canterbury, PO Box 345, Christchurch 8140.**

1 APPLICATION DETAILS

Please complete all questions and sign and date the form.

1.1 Applicant(s) details

Surname:	<input type="text"/>	First names (in full):	<input type="text"/> Mr
Surname:	<input type="text"/>	First names (in full):	<input type="text"/> Mr
OR Registered Company name and number:		<input type="text"/>	
Postal address:	<input type="text"/>	Postcode:	<input type="text"/>
Billing address (if different):	<input type="text"/>	Postcode:	<input type="text"/>
Phone (home):	<input type="text"/>	Phone (work):	<input type="text"/>
Cell phone:	<input type="text"/>	Email address:	<input type="text"/>
Contact person:	<input type="text"/>		

Are you an Environment Canterbury staff member, an Environment Canterbury Commissioner, or a family member of either?

☐ Yes ☐ No

1.2 Consultant/Agents details (if applicable)

Contact person:	<input type="text"/>	Company:	<input type="text"/>
Postal address:	<input type="text"/>	Postcode:	<input type="text"/>
Phone (work):	<input type="text"/>	Cell phone:	<input type="text"/>
Email address:	<input type="text"/>		

1.2.1 During the processing of your application who will be the contact person for making decisions? ☐ Applicant ☐ Consultant / Agent

Note: All correspondence during the consent application process will be directed to this contact person, unless instructed otherwise. Final decision documents will be sent to the applicant.

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

1.3 Names and addresses of the owner and occupier of the site to which this application relates

(You only need to include this information if it is **different** to that of the applicant(s). If you do not own the land to which this application relates to, you will need to provide written approval from the land owner.)

Owner:	<input type="text"/>	Phone:	<input type="text"/>
Postal address:	<input type="text"/>	Postcode:	<input type="text"/>
Occupier:	<input type="text"/>	Phone:	<input type="text"/>
Postal address:	<input type="text"/>	Postcode:	<input type="text"/>

1.4 Location of the proposed activity

Site address:

Locality
(City/District):

Area of property
(ha):

Map reference
NZTopo50:

Legal
description:

Note: The legal description can be found on the certificate of title, valuation notice, subdivision plan or rate demand for the site. Please include a copy of one of these with your application.

1.5 Consents from local authorities

1.5.1 Under which territorial authority is the land situated:

☐

Ashburton DC

☐

Kaikōura DC

☐

Timaru DC

☐

Waitaki DC

☐

Christchurch CC

☐

Mackenzie DC

☐

Waimakariri DC

☐

Hurunui DC

☐

Selwyn DC

☐

Waimate DC

1.5.2 Do you require consent from the local authority for this proposal?

Note: You may need to consult with the relevant local authority to determine this.

☐ Yes ☐ No

1.5.3 **If yes**, please list:

1.5.4 If a consent is required from the District or City Council, have you applied for it?

☐ Yes ☐ No

1.5.5 **If yes**, what is the consent number and status?

1.5.6 Please list any permitted activities under the District or City Plan that are part of the proposal to which the application relates:

1.6 Current or previous consents

1.7

1.6.1 Do you hold or have you held any previous consents at this site for this activity or any related activities?

☐ Yes ☐ No

*If yes, please provide details of the existing consents:
(e.g. CRC111000, discharge of dairy effluent etc.)*

1.6.2 List any other consents required from the Canterbury Regional Council and indicate whether they have been applied for:

1.6.3 Is this application for a:

☐ New activity ☐ Existing Activity

☐ Change of conditions for an existing consent

Advice note: If you have an existing discharge consent and you are proposing to increase the amount of contaminants to be discharged, i.e. increasing the number of cows to be milked, this will be processed as a new application.

2 PRE-APPLICATION ADVICE

2.1 Have you received any advice from Environment Canterbury prior to lodging this application?

☐ Yes ☐ No

2.2 If yes, please list the pre-application number if known:

E.g. RMA165897. This number should be provided to you by the Consents Planner or Customer Services.

Please list any pre-application meetings or advice (verbal and/or written) you have had with Environment Canterbury below:

Type of advice	Brief details, including who provided the advice and the date
<input type="checkbox"/> Meeting(s)	
<input type="checkbox"/> Verbal advice	
<input type="checkbox"/> Written advice	
<input type="checkbox"/> Other (e.g. submitted draft application / AEE)	

3 BACKGROUND INFORMATION

3.1 Other consents at this property

3.1.1 Is there an existing wastewater discharge at the property?

☐ Yes ☐ No

3.1.2 **If yes**, will the wastewater treatment and land application system proposed in this application replace the existing system?

3.1.3 Please provide details of the existing treatment and land application system and why it is being replaced (e.g. soakhole, sand trench).

Note: If there is an existing wastewater discharge on the property, please provide a plan showing the location of the existing discharge

3.1.4 If you are applying for resource consent due to the failure of your current system, please explain why the existing system has failed, and how wastewater is currently being dealt with at the site.

(e.g. there is a blockage in the distribution pipe and wastewater is ponding on the land surface, wastewater is currently being tankered off-site for disposal.)

4 DESCRIPTION OF THE PROPOSED ACTIVITY

4.1 Single Lots and Subdivisions

4.1.1 Does this application relate to a discharge from a single lot or multiple lots?

☐ Single Lot
☐ Multiple Lots (Subdivision)

If the application is for a single lot, please proceed to section 4.2.

If the application is for multiple lots within a subdivision, please complete the following questions:

4.1.2 Has resource consent for the subdivision been granted?

☐ Yes ☐ No

4.1.3 **If yes**, please state the subdivision consent number if known.

4.1.4 How many lots are in the subdivision?

Note: Resource consents are generally granted with a five year lapse date. If the consent is not given effect to prior to this date, the resource consent will lapse, and is no longer valid. If you consider construction of the subdivision may take more than 5 years, you may wish to request an extended lapse date for your resource consent.

4.1.5 Do you require a longer lapse date for your resource consent?

☐ Yes ☐ No

Requested length:

4.1.6 Do you require a resource consent for each lot?

☐ Yes ☐ No

4.1.7 **If no**, will the wastewater be **treated** in a decentralised treatment system, or will treatment occur via individual onsite systems?

☐ Onsite Treatment Systems; or
☐ Decentralised Treatment System

4.1.8 Who will be legally responsible for maintenance of the treatment and land application system(s)?

1.1.1 Has a body corporate or similar been established to ensure legal responsibility for the maintenance of the treatment and land application system?

☐ Yes ☐ No

If yes, please attach a copy of the body corporate agreement to this consent application.

4.1.9 **If no**, please state how you will ensure that the system will be maintained for the duration of the resource consent.

Please attach a map showing the subdivision layout and the location of the treatment and discharge systems to this application form

4.2 Discharges from domestic dwellings

4.2.1 Is the discharge only **domestic** wastewater from a dwelling?

☐ Yes ☐ No

If yes, please complete this section of the application form and then proceed to Section 4.4.

If no, please complete this section (if relevant) and then proceed to Section 4.4.

4.2.2 How many dwellings will you discharge from?

4.2.3 How many bedrooms in each dwelling?

4.2.4 How much wastewater will be produced per day per dwelling?

Litres per day (maximum)

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

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

4.2.5 If the volume of wastewater discharged is not consistent with the volumes listed in the above table please state why, citing any references to support your estimates.

4.2.6 Are you proposing any specific measures to ensure the volume of wastewater discharged does not exceed your estimate?

☐ Yes ☐ No

4.2.7 **If yes**, please list them below (e.g. flow monitoring, water restriction devices)

4.2.8 Are seasonal fluctuations in the volume of wastewater discharged likely?

☐ Yes ☐ No

4.2.9 **If yes**, please state how these fluctuations will affect the performance of your treatment system:

4.3 Discharges from other sources

4.3.1 Will there be a discharge from any sources other than domestic dwellings?

☐ Yes ☐ No

4.3.2 **If yes**, what other sources? Please provide a description of the facility:

(e.g. school, residential care facility, restaurant etc).

4.3.3 What contaminants other than domestic wastewater will be discharged? (e.g. hairdressing chemicals, photography chemicals, butchery etc)

4.3.4 Will these contaminants be treated and discharged via your wastewater treatment and land application system?

☐ Yes ☐ No

4.3.5 **If no**, please state how these contaminants will be disposed of:

4.3.6 **If yes**, please state what specific treatment devices you are proposing to treat these contaminants (e.g. grease traps for kitchens, etc):

4.3.7 What is the total number of visitors/customers and/or staff at the site per day?

persons per day

4.3.8 What is the total volume of wastewater that will be discharged per day?

4.3.9 How have you determined how much wastewater will be discharged?

Note: guidance on discharge volumes for a range of operations can be found in the Australian / New Zealand Guidelines for Onsite Domestic Wastewater Management (AS/NZS 1547:2012).

4.4 Design of treatment system

4.4.1 What type of wastewater treatment system is proposed?

☐ Septic tank

☐ Aerated treatment system

☐ Packed bed reactor

☐ Other, please specify:

4.4.2 If septic tank, how many chambers does the system have?

Note: If your treatment system is not one of the systems listed above, please attach to this application form information on how the system will treat the wastewater and what level of treatment the system will provide. If you don't provide this information there may be significant delays and costs while this information is obtained.

4.4.3 What model of system is proposed?

4.4.4 What is the operating capacity of the treatment system?

Litres

4.4.5 What is the total capacity of the treatment system?

Litres

4.4.6 Will the proposed system have a grease trap?

☐ Yes ☐ No

4.4.7 **If yes**, what is the type and capacity of the grease trap?

4.4.8 Will the wastewater pass through a proprietary filter prior to discharge to land?

☐ Yes ☐ No

4.4.9 How will the wastewater be distributed to the land application system?

☐ Pump ☐ Siphon

☐ Other, please specify:

Note: Environment Canterbury discourages the use of gravity-fed systems

4.5 Treatment Quality

4.5.1 Will the discharge be UV treated? ☐ Yes ☐ No

4.5.2 Will the discharge be chlorinated? ☐ Yes ☐ No

Note: If you are proposing a treatment system which includes chlorination, a detailed assessment of the effects of chlorine on the environment will be required in section 7 of this application form.

4.5.3 What is the expected quality of treated wastewater being discharged from the treatment system?

Biochemical Oxygen Demand (BOD5)

mg/L

Total Suspended Solids (TSS)

mg/L

Faecal coliforms (FC)

cfu/100mL

Total Nitrogen (TN)

mg/L

Nitrate nitrogen (NO₃-N)

mg/L

4.5.4 Please give details of the performance data that is the basis for the above expected quality claims:

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

- **The location of the dwelling;**
- **The location of your test pits;**
- **The location of the land application system and the distance to all property boundaries, wells, watercourses, stormwater swales, drains, springs;**
- **An arrow indicating north; and**
- **A statement as to whether the map is to scale.**

Please ensure the map is of sufficient quality to be attached to the consent document if required.

4.6 Design of land application system

4.6.1 What type of land application system is proposed?

☐ Dripline Irrigation System ☐ Sand Trench System ☐ Other - please Specify:

*Note: If you are **not** proposing a dripline irrigation system, or sand trench system, please provide full details of the design of your land application system, a plan showing a cross section of the land application system and details and supporting evidence demonstrating how it treats contaminants in the discharge.*

4.6.2 Will the perimeter of the land application system be fenced to prevent vehicle stock and public access? ☐ Yes ☐ No

4.6.3 **If no**, please state how you will clearly demarcate the area of the land application system (e.g. signage):

Note: It may be a requirement of your District or City Council to fence the land application system. We advise you to check this with the appropriate council.

Please complete section 4.6.4 if you are proposing a drip irrigation system, and section 4.6.5 if you are proposing a sand trench system.

4.6.4 Dripline irrigation systems

- What type of irrigation lines are proposed?

☐ Pressure compensating drip irrigation lines
☐ Low pressure effluent lines
- Total length of irrigation lines:

metres
- Distance between irrigation lines:

metres
- Spacing between drip emitters:

millimetres
- Area of land application system:
(i.e. length of irrigation lines (m) multiplied by distance between the lines).

square metres
- If you intend to install your irrigation lines more than one metre apart, please state how you will ensure even distribution of wastewater across the land application system:
- Application rate:
(equals the maximum wastewater flow in L/day ÷ the effective area of land of the application system in m²)

millimetres / day
- Where will the irrigation lines be installed?

☐ mm above ground level
☐ mm below ground level
☐ On the ground surface
- Will the irrigation lines be covered with between 100 and 150 millimetres of soil?

☐ Yes ☐ No

Note: Environment Canterbury discourages the use of drip irrigation tubing that is not covered with soil.

- Will the soil above the drip irrigation tubing be permanently grassed or vegetated?

☐ Yes ☐ No
- What vegetation will be provided within the disposal area?
- If the soil above the drip irrigation tubing will not be grassed or planted, please explain why:

Note: It may be a requirement of your District or City Council to plant the land application system with certain plants. They may have a list of plants for this purpose. We advise you to check this with the appropriate council.

4.6.5 Sand trench systems

- Trench length:

metres
- Trench width:

metres
- Spacing of holes on the distribution pipe(s)

millimetres
- Area of land application system:
(i.e. trench width (m) x trench length (m))

square metres
- If you are proposing a trench with multiple distribution lines spaced more than 600 millimetres apart, please provide evidence to demonstrate that even distribution of wastewater will be achieved across the width of the trench:
- Application rate:
(maximum wastewater flow L/day ÷ effective area of land application system in m²)

millimetres / day
- What is the treatment material?

☐ 2A sand
☐ Other, please specify:

Note: If you are not proposing to install 600 mm of 2A sand, please attach evidence (i.e. scientific publications and/or experimental field data) which clearly demonstrates the expected concentration of bacteria and/or viruses

at the base of the treatment material.

- What is the depth (thickness) of treatment material?
- What depth below ground level will the base of the treatment system be installed?
(i.e. the base of the 2A sand or other treatment material)
- Will free draining material be installed at the base of the treatment material?
- **If no**, how will you ensure drainage of wastewater at the base of your land application system?

millimetres	
<input type="checkbox"/>	mm above ground level
<input type="checkbox"/>	mm below ground level
<input type="checkbox"/>	On the ground surface
<input type="checkbox"/>	Yes <input type="checkbox"/> No

4.7 Maintenance

- 4.7.1 Will you submit a letter signed by the person responsible for designing the system or another person experienced in the design of on-site wastewater systems to Environment Canterbury within one month of construction, to certify that the system is constructed and installed in accordance with the design plans? ☐ Yes ☐ No

- 4.7.2 What is the manufacturer's recommended service frequency for the proposed treatment and land application system? ☐ Yearly servicing
☐ Two times a year
☐ Other (please specify)

- 4.7.3 Will your proposed treatment and land application system be serviced at the above frequency by a person experienced in the servicing of on-site wastewater systems? ☐ Yes ☐ No

- 4.7.4 If you are proposing a drip irrigation land application system with a service frequency of less than two services per year, or a sand trench land application system with a service frequency of less than one service per year, please provide details as to why your system does not need to be maintained at these frequencies:

- 4.7.5 Please indicate if regular servicing will include the following:

- | | | |
|--------|---|--|
| (i) | Ensuring all access points on the treatment system are readily accessible for maintenance purposes | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| (ii) | Measuring the depth of solids and scum in the treatment tank(s) | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| (iii) | Pumping out the wastewater system if the solids and scum layers combined are greater than one half of the depth of the treatment tank | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| (iv) | Checking the outlet filter and cleaning it if necessary | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| (v) | Checking that the pump or siphon and/or float switches are working | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| (vi) | Checking and flushing distribution lines until water runs clear | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| (vii) | Pressure testing at the end of the distribution pipe(s) | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| (viii) | Maintenance of the vegetative cover | <input type="checkbox"/> Yes <input type="checkbox"/> No |

4.7.6 If you have ticked no to any of the maintenance procedures listed in (i) to (vii) above, please explain why this maintenance is not required:

4.7.7 Please specify any other servicing requirements for your proposed system and why this servicing is required:

4.7.8 Will you retain records of any servicing carried out on your system and make these available to Environment Canterbury on request? ☐ Yes ☐ No

5 LEGAL AND PLANNING MATTERS

5.1 Please classify the proposed activity against the relevant rule(s) in the relevant regional plan

5.1.1 Which regional plan does this activity fall under?

5.1.2 Please list the relevant rule(s) of this plan:

5.1.3 What is the status of this activity?

☐ Controlled ☐ Restricted discretionary ☐ Discretionary ☐ Non-complying

In the table below, please provide a full assessment of the proposed activity against the above rule(s), including an assessment against each condition of each relevant rule.

Provide an explanation where relevant to demonstrate how your activity complies with the condition of the rule, or why it doesn't comply

5.2 Land and Water Regional Plan

Rule 5.8 - The discharge of wastewater from a new, modified or upgraded on-site domestic wastewater treatment system onto or into land in circumstances where a contaminant may enter water

Condition	Can you comply with this condition?	Explanation where relevant
1. The discharge volume does not exceed 2 m ³ per day; and	<input type="checkbox"/> Y <input type="checkbox"/> N	
2. The discharge is onto or into a site that is equal to or greater than 4 hectares in area; and	<input type="checkbox"/> Y <input type="checkbox"/> N	
2a. The discharge is not located within an area where residential density exceeds 1.5 dwellings per hectare and the total population is greater than 1000 persons; and	<input type="checkbox"/> Y <input type="checkbox"/> N	
3. The discharge is not onto or into land:	Can you comply?	
(a) where there is an available sewerage network; or	<input type="checkbox"/> Y <input type="checkbox"/> N	
(b) that is contaminated or potentially contaminated; or	<input type="checkbox"/> Y <input type="checkbox"/> N	
(c) that is listed as an archaeological site; or	<input type="checkbox"/> Y <input type="checkbox"/> N	
(d) in circumstances where the discharge would enter any surface water body; or	<input type="checkbox"/> Y <input type="checkbox"/> N	
(e) within 20 m of any surface water body or the Coastal Marine Area; or	<input type="checkbox"/> Y <input type="checkbox"/> N	
(f) within 50 m of a bore used for water abstraction; or	<input type="checkbox"/> Y <input type="checkbox"/> N	
(g) within a Group or Community Drinking-water supply Protection Zone area as set out in Schedule 1; or	<input type="checkbox"/> Y <input type="checkbox"/> N	
(h) where there is, at any time, less than 1 m of vertical separation between the discharge point and groundwater; and	<input type="checkbox"/> Y <input type="checkbox"/> N	
4. The treatment and disposal system is designed and installed in accordance with Sections 5 and 6 of New Zealand Standard AS/NZS 1547:2012 – On-site Domestic Wastewater Management; and	<input type="checkbox"/> Y <input type="checkbox"/> N	
5. The treatment and disposal system is operated and maintained in accordance with the system's design specification for maintenance or, if there is no design specification for maintenance, Section 6.3 of New Zealand Standard AS/NZS 1547:2012 – On-site Domestic Wastewater Management; and	<input type="checkbox"/> Y <input type="checkbox"/> N	

6.	The discharge does not result in wastewater being visible on the ground surface; and	<input type="checkbox"/> Y <input type="checkbox"/> N	
7.	The discharge does not contain any hazardous substance.	<input type="checkbox"/> Y <input type="checkbox"/> N	

5.3 Proposed Variation 1 to the Proposed Canterbury Land and Water Regional Plan

Regional Rules 5.7, 5.8 and 5.9 apply in the Selwyn Waihora catchment. Rules 11.5.1 and 11.5.2 apply as additions to Regional Rules 5.8 and 5.9.

Rule 11.5.1 - Within the Selwyn Waihora catchment Regional Rule 5.8 shall include the following additional condition:

Condition	Can you comply with this condition?	Explanation where relevant
1. The discharge of wastewater from a new on-site domestic wastewater treatment system is not within the Cultural Landscape/Values Management Area.	<input type="checkbox"/> Y <input type="checkbox"/> N	

5.4 Other Plans

The [Opihi River Regional Plan](#) and [Waimakariri River Regional Plans](#) also contain rules which relate to discharges of wastewater onto or into land. If your site is located in an area covered by either of the above plans, and your discharge is either within 20m of a surface waterbody, or may result in the discharge entering surface water, you will need to assess your activity against the relevant plan in the box below:

If you are unsure please contact Customer Services who may be able to help you answer this question.

5.5 Please provide an assessment of the proposed activity against any relevant objectives, policies or other provisions of any National Policy Statements, Coastal Policy Statements, National Environmental Standards, the Canterbury Regional Policy Statement, and any other relevant plan or proposed plan. A list of policies and objectives relevant to this proposal may be found in the planning assessment which accompanies this form.

5.6 The purpose of the Resource Management Act (1991) is to promote the sustainable management of natural and physical resources. Does your proposal meet the requirements of Part 2, Section 5 (view here)?

☐ Y ☐ N

PRINCIPLES

5.7 Matters of National Importance (section 6 - view here))

5.7.1 Do you consider your proposed activity takes into account the Matters of National Importance?

☐ Y ☐ N

5.8 Other Matters (section 7 - view here)

5.8.1 Do you consider your proposed activity takes into account Other Matters?

☐ Y ☐ N

5.9 Treaty of Waitangi (section 8 - view here)

5.9.1 Do you consider your proposed activity take into account the principles of the Treaty of Waitangi?

☐ Y ☐ N

6 CONSULTATION AND WRITTEN APPROVAL OF AFFECTED PERSONS

Consultation with all persons potentially affected by your activity prior to lodging your application may result in considerable time and cost savings.

Ngāi Tahu in Canterbury

Te Rūnanga o Ngāi Tahu is the statutory authority representing iwi members and includes ten local rūnanga within Canterbury, known as Papatipu Rūnanga. 'Papatipu' refers to ancestral land. Local rūnanga have the status of mana whenua with kaitiaki status (guardianship) over land and water within their takiwā (territory).

Depending on where the activity is to occur within Canterbury, the values of one or more Papatipu Rūnanga may be affected. Iwi interests as a whole may also be affected where an activity is to occur within, adjacent to, or affecting an area recognised in the Ngāi Tahu Claims Settlement Act 1998 as a Statutory Acknowledgement area. In those circumstances, Te Rūnanga o Ngāi Tahu will be involved in management of the area.

For more detail on Ngāi Tahu and assistance with answering the question below, please refer to the booklet titled [Ngai Tahu in the Resource Consent Process](#), which is also available from our Customer Services Section. You may also find our webpage [Engaging with Ngai Tahu](#) useful.

Have you consulted with the Papatipu Rūnanga and/or Te Rūnanga o Ngāi Tahu? ☐ Yes ☐ No

If 'Yes', please state who you have consulted with and attach any evidence of your consultation, including any written approvals for this application:

Note: Ngāi Tahu as an iwi, and specifically Papatipu Rūnanga representing mana whenua, are considered an affected party where effects on cultural values are minor or more than minor, in accordance with Section 95E of the RMA. Environment Canterbury MUST notify an application if the adverse effects of your proposed activity on cultural values are determined to be minor or more than minor unless you have obtained the written approval of Papatipu Rūnanga and/or Ngai Tahu for your proposal. Consultation before lodging your application is one of the best ways of identifying adverse effects.

Non-notified applications

Non-notified consents are for activities which have minor adverse effects on the environment. For your activity to be considered on a non-notified basis you must determine whether there are any persons potentially affected by your proposed activity and if there are, you must consult them and obtain their written approval (e.g., Iwi, Fish and Game Council, Department of Conservation, Land Information New Zealand, Owners of nearby structures/infrastructure (e.g. NZTA), Other consent holders, Neighbouring land owners and occupiers, Environment Canterbury River Engineering). If you are unsure who may be an affected party, please call us. Non-notified consents are significantly cheaper and quicker to process.

Limited notified and fully notified applications

Notified consents (either limited notified or fully notified consents) are for activities which do not meet requirements in the RMA for processing on a non-notified basis.

If your assessment of effects has shown that adverse effects on the environment are likely to be more than minor and/or there are people who may be adversely affected from whom you are unable to obtain written approval, you may wish to request that your application be publicly notified. This will avoid possible delays in the processing of your application.

The final decision to notify or not notify an application will still be made by Environment Canterbury.

Please note that an application cannot be notified unless there is sufficient information for the notice that makes it clear what is being applied for, and how it might affect the environment (including people).

I request that my application is notified. ☐ (check box)

Please provide any consultation details and written approvals obtained in the space provided below.

6.1 Consultation details

6.1.1 Have you consulted with iwi? ☐ Yes ☐ No

6.1.2 **If yes**, who did you consult?

6.1.3 Have you consulted with any neighbours or other parties who may be affected by your proposal?

6.1.4 **If yes**, please state who you have consulted with, and provide any evidence of your consultation:

6.1.5 How have you addressed any concerns they may have had?

6.2 Written approval of affected parties

6.2.1 Have you obtained any written approvals from any persons for your proposed activity? ☐ Yes ☐ No

If yes, please give their details below. Please note that for us to accept the approvals they must each complete and sign form CON510.

Name	Address	Contact details (phone, email etc.)

7 DESCRIPTION OF THE AFFECTED ENVIRONMENT AND ASSESSMENT OF ACTUAL & POTENTIAL EFFECTS OF THE ACTIVITY ON THE ENVIRONMENT

You must include an assessment of the effects of your proposal on the environment in this part of your application.

[Section 88](#) of the Resource Management Act 1991 requires that each application includes an assessment of the actual and potential effects of the activity on the environment. This assessment must be prepared in accordance with the [Fourth Schedule](#) of the Resource Management Act. A copy of this schedule is available [online](#) or from Customer Services.

The assessment of effects will differ for each application depending on the type and scale of the activity. Consultation is one of the best ways of identifying adverse effects. Please contact Customer Services with any questions on ecinfo@ecan.govt.nz or via phone on (03) 353 9007 or 0800 324 636 (0800 EC INFO).

For further assistance in preparing this assessment, you may find the Ministry for the Environment Publication "[A guide to preparing a basic assessment of environmental effects](#)" useful.

Note: If the section below is not fully completed, your application may be returned as incomplete. Please ensure all questions are answered in full.

You can obtain most of the following information from our GIS mapping programme Canterbury Maps which you can access on the Environment Canterbury website:: <http://ecan.govt.nz/services/online-services/gis-mapping/pages/enter-gis.aspx>

Alternatively you can contact Customer Services who may be able to help you obtain some of the following information.

7.1 Topography

- 7.1.1 What is the gradient of the slope at the site of your land application system?
- ☐ <10 degrees
☐ 11 – 15 degrees
☐ More than 15 degrees

7.1.2 How was this determined?

7.1.3 If the land application system will be located on land with a steep gradient (15o or greater), what measures will you use to prevent run-off of wastewater?

7.1.4 What measures will you use to prevent surface water or stormwater entering the land application system? (e.g. cut-off drains etc).

7.2 Soil

To determine the soil profile at your site, a test pit should be dug on or close to the location of your land application system.

- 7.2.1 In the box below, please specify the soil and subsoil types at the location of the land application system (e.g. gravels, sands, sandy loams, loams, clay loams, light clay, medium to heavy clay etc) and the thicknesses of each of these soil layers.

Note: the soil must be profiled to a depth of at least 600 millimetres below the discharge point (e.g. 600 mm below the drip irrigation lines or 600 mm below the base of the 2A sand layer in the sand trench).

Soil Type and category	Thickness of layer
	mm
	mm
	mm
	mm
	mm

7.2.2 How was the soil profile determined? (e.g. via a test pit).

7.2.3 How many test pits were excavated and where?

Please indicate the location of the test pit(s) on your location map

7.2.4 What were the depths of these holes?

7.2.5 What date were these holes excavated?

7.2.6 What is the least permeable soil type and category observed in the test pit? (Please use Table E1 of the AS/NZS 1547:2012 standards for the assessment of soil textures and types).

7.2.7 Is your proposed application rate appropriate for the least permeable soil type observed and consistent with Table M1 of the AS/NZS 1547:2012 standards?

☐ Yes ☐ No

7.2.8 **If no**, please explain how you will ensure the infiltration capacity of the soil is not exceeded:

Please attach colour photographs of your test pit(s) to your application.

7.3 Groundwater

7.3.1 Groundwater Direction

- In what direction does groundwater flow beneath your property, e.g. northwest to south east?
- How have you determined the groundwater flow direction?

7.3.2 Aquifer Type

- What type of aquifer is your discharge located over?

- ☐ Coastal confined
- ☐ Semi-confined/unconfined
- ☐ Neither

Note: If your discharge will occur within the Christchurch Groundwater Protection Zones 1, 1A, 1B, 1C, 1D or 2, a detailed assessment of the effects of the discharge on groundwater quality will be required in section 7.4 of this form

7.3.3 Depth to Groundwater

- Was groundwater observed in the test holes?
- If yes**, at what depth below ground level?
- Were any iron stains or signs of mottling observed in the test holes?
- If yes**, at what depth below ground level?
- Have you taken groundwater readings from your on-site well or a neighbouring well that might indicate the water table level below your property?
- If yes**, please state the well number, the distance from your land application system, and the observed groundwater level recorded and the date the reading(s) were taken:
- Does Environment Canterbury have groundwater level data for wells located within one kilometre of your property? (*You can find groundwater level data on our online GIS system*)
- If yes**, please complete the following table:

☐ Yes ☐ No

millimetres

☐ Yes ☐ No

millimetres

☐ Yes ☐ No

☐ Yes ☐ No

Well Number	Well depth (metres)	Distance (in metres) and direction from land application system	Highest groundwater reading (metres below ground level) (please ensure you subtract the measuring point)	Number of readings	Years readings were taken
Example: L35/0241	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.*)
- Based on the above analysis, what is your assessment of the highest potential seasonal groundwater level at the site?

metres below ground level

7.4 Groundwater Quality

7.4.1 Does Environment Canterbury have groundwater quality data for wells located within one kilometre of your property? ☐ Yes ☐ No

7.4.2 **If yes**, please complete the following table:

Well number	Well depth (metres)	Distance (in metres) and direction from land application system	Number of samples taken	Highest concentration of bacteria in all samples taken	Highest concentration of nitrate nitrogen in all samples taken	Years readings were taken
<i>Example: L35/0241</i>	8.9	180 m NW	5	18 cfu/100 ml	4.5 mg/100 ml NO ₃ -N	Between 1999 & 2006

7.4.3 If any of these readings are not relevant to your property, please explain why:

7.4.4 Based on the above analysis, what is the likely maximum concentration of nitrate nitrogen in the groundwater surrounding your site?

7.4.5 How was this determined?

7.4.6 What is the likely concentration of faecal coliform bacteria or *E. coli* in the groundwater surrounding your site?

7.4.7 How was this determined?

7.4.8 Are there any discharges to land (including any other wastewater discharges) within 500 metres of your property? (e.g. dairy shed effluent discharges, meat works discharges, wastewater discharges etc.)

7.4.9 **If yes**, please specify details and consent numbers if known:

7.4.10 Is the property listed on Environment Canterbury's Listed Land Use Register (LLUR) or is being/has been used for any HAIL activity?

7.4.11 **If yes**, please provide details:

mg/L nitrate nitrogen
cfu/100 mL MPN/100mL

☐ Yes ☐ No

--

☐ Yes ☐ No

--

*Note: To find out if the property is listed on the LLUR please see <http://llur.ecan.govt.nz/>
HAIL activities are listed on the Ministry for Environment's Hazardous Activities and Industries List. More information on HAIL activities can be found at www.mfe.govt.nz/issues/hazardous/contaminated/hazardous-activities-industries-list.html.*

7.5 Adverse effects of the discharge on groundwater quality

7.5.1 Nitrate-nitrogen

- What is the expected concentration of nitrogen in the wastewater exiting the treatment system (e.g. exiting the septic tank or aerated treatment system)?
- What testing have you undertaken and/or what data have you used to determine

mg/L of nitrate nitrogen
mg/L of total nitrogen

this?

Please attach test results to demonstrate treatment capability for the proposed system.

- Will your land application system provide any additional removal of nitrate nitrogen?
- **If yes**, please state the expected nitrate-nitrogen concentration at the point the discharge enters groundwater, **and** state how your land application system provides additional removal:
- What evidence have you relied on to determine this?
- Please provide a detailed assessment of the effect the discharge of nitrate-nitrogen will have on groundwater quality, including evidence to support your assessment.

☐ Yes ☐ No

7.5.2 Pathogens

- What is the expected concentration of faecal coliform bacteria exiting your wastewater treatment system (e.g. exiting the septic tank or aerated treatment system)?
- What testing have you undertaken and/or what data have you used to determine this?
- Please attach test results to demonstrate the treatment capability.
- What is the distance between the base of your land application system and highest groundwater level?

cfu/100 mL

metres

Note: the base of the land application system is defined as the discharge point, which is the level of the drip irrigation lines, or the base of the 2A sand in a sand trench.

- Will your land application system provide any additional removal of pathogens from the discharge?
- **If yes**, please state the expected pathogen concentration at the point the discharge enters groundwater, describe how this has been calculated, **and** state how your land application system provides additional removal:
- What evidence have you relied on to determine this?
- Please provide a detailed assessment of the effect the discharge of pathogens will have on groundwater quality, including evidence to support your assessment.

☐ Yes ☐ No

7.5.3 Cumulative Effects

Where several discharges exist in close proximity to one another, adverse cumulative effects on groundwater quality may occur. This occurs as a result of insufficient separation between discharges to allow dilution of nitrate nitrogen in groundwater.

- What is the distance between your proposed land application system and the nearest discharge?
- Please provide an assessment of the cumulative effects this discharge in combination with other discharges (or existing water quality) will have on groundwater quality.

7.6 Drinking Water Supplies

7.6.1 Where is the drinking water for the property sourced? (E.g. public supply, private well, rainwater tank)

7.6.2 **If provided by a well**, please state the well number and the distance and direction from the land application system:

7.6.3 Where do your neighbours obtain their drinking water supplies from?

7.6.4 **If provided by a well**, please state the well number and the distance and direction from the land application system:

7.6.5 Are there any community drinking water supply wells or intakes, group drinking water supply wells, or National Environmental Standard registered drinking water abstraction points within a 2,000 m radius of your land application system?

☐ Yes ☐ No

7.6.6 **If yes**, please state the location of these wells (relative to your land application system):

7.6.7 Is your land application system within the water supply protection zone of a private, group or community drinking water supply well?

☐ Yes ☐ No

7.6.8 **If yes**, please provide a detailed explanation as to why your discharge will not adversely affect the owner of this bore from abstracting a potable drinking water supply:

7.6.9 Where is the closest groundwater bore (not used for community supply) to your land application system?

(Please state the well number, distance and direction from your land application system)

Note: All well locations shown in Environment Canterbury's GIS database are indicative only. All locations should be confirmed via consultation with well owners or by site visits.

7.7 Flood Potential

7.7.1 Has a flood hazard assessment ever been undertaken on your property?

☐ Yes ☐ No

Note: To find out about flood hazard assessments on your property, please contact Customer Services.

7.7.2 **If yes**, please provide details, and attach a copy of the flood hazard assessment to the application form:

7.7.3 Has the site of your land application system ever experienced flooding from either rainfall events or river overflows?

☐ Yes ☐ No

7.7.4 **If yes**, how often does your property experience flooding?

7.7.5 Has the site of the proposed land application system ever been covered with water from a river in flood or from rainfall?

☐ Yes ☐ No

7.7.6 **If yes**, please explain state what measures you are proposing to prevent flooding of the land application system:

7.8 Adverse effects of the discharge on human and stock health

7.8.1 Drinking water supplies

- What effect will your discharge have on the drinking water supplies of neighbouring properties? Please explain your answer.

7.8.2 Contact with pathogens

- What is the distance between your land application system and the closest property boundary?

metres

- How will you prevent emergence of wastewater at the land surface and adverse effects on public health?

Note: If you are in an area with poor drainage (e.g. over the coastal confined aquifer system) during periods of heavy rainfall the soils at your site are likely to become saturated. When soils become saturated, the ability of the soils to remove pathogens is reduced, and drainage of wastewater may not occur.

When designing your land application system you will need to consider how you will ensure that the discharge always occurs into unsaturated soil, particularly where you are close to neighbouring property boundaries. You may wish to consider options such as mounding your land application system to ensure the treatment material remains unsaturated and greater separation between your land application system and property boundaries.

7.9 Surface Water

- 7.9.1 Please state the location, including distance and direction of the nearest surface waterbodies to your land application system:

Note: the term surface waterbody includes rivers, streams, springs, drains, artificial watercourses, wetlands and stockwater races)

- 7.9.2 Name of surface water body:

7.10 Adverse effects of the discharge on surface water quality

- 7.10.1 Please provide an assessment of the effect the discharge of wastewater will have on surface water quality, including evidence to support your assessment:

7.11 Adverse effects on Ngāi Tahu Values and historic values

For assistance with answering the below questions, please refer to the booklet titled [Ngāi Tahu in the Resource Consent Process](#) which is also available from our Customer Services Section, further information is available [here](#). [Iwi Management Plans](#) are available to help applicants identify matters of importance to iwi. These plans also provide direction on how best to avoid, remedy or mitigate effects on cultural values.

- 7.11.1 Which Papatipu Rūnanga cover(s) the site where the proposed activity is to occur?

- 7.11.2 Is the proposed activity occurring within, adjacent to, or likely to affect a Statutory Acknowledgement Area?

☐ Yes ☐ No

- 7.11.3 Is the proposed activity within a silent file area?

☐ Yes ☐ No

- 7.3.12 Please provide an assessment of the effects of the proposed activity on Ngāi Tahu values. To do this you will need to reference the relevant policies in the [Iwi Management Plans](#). Where appropriate, this assessment may include detail on the effects of the proposed activity on: sites of historic or cultural significance, surface water and groundwater quality, flora and fauna of cultural significance, areas of historical or spiritual importance, areas of significant landscape value, and waterways and wetlands.

- 7.3.13 Please provide details on the steps that you will take to ensure effects on Ngāi Tahu values are avoided, mitigated or remedied

Other

7.11.14 Will you provide a copy of the resource consent to any person exercising your consent and explain to them how to comply with the conditions of the consent? ☐ Yes ☐ No

7.11.15 Will you notify Environment Canterbury at least two days before starting works? ☐ Yes ☐ No

7.11.16 If you answered "No" to any of the questions above, please explain why.

7.11.17 Is the site an historical site? ☐ Yes ☐ No

If yes, please contact Heritage New Zealand Pouhere Taonga.

Please note that under the Historic Places Act 1993 an archaeological site is defined as any place associated with pre-1900 human activity, where there is material evidence relating to the history of New Zealand. For sites solely of Māori origin, this evidence may be in the form of accumulations of shell, bone, charcoal, burnt stones, etc. In later sites, artefacts such as bottles or broken glass, ceramics, metals, etc, may be found or evidence of old foundations, wells, drains, tailings, races or other structures. Human remains/koiwi may date to any historic period.

It is unlawful for any person to destroy, damage, or modify the whole or any part of an archaeological site without the prior authority of the Heritage New Zealand. This is the case regardless of the legal status of the land on which the site is located, whether the activity is permitted under the District or Regional Plan or whether a resource or building consent has been granted. The Historic Places Act provides for substantial penalties for unauthorised damage or destruction.

7.12 Adverse effects of the discharge on amenity values

7.12.1 Are there any dwellings (except your own dwelling) or any places where people gather within 30 metres of the vents of your land application system? ☐ Yes ☐ No

7.12.2 **If yes**, please specify the distance from the closest dwelling to any vents:

metres

7.12.3 What effect will your discharge have on amenity values? Why?

7.13 Other effects applicable to this site

7.13.1 Please provide an assessment of any other effects that may be relevant:

(e.g. this may include an assessment on the effects of chlorine on the environment if you have proposed to treat the wastewater with chlorine)

8 ADDITIONAL MITIGATION MEASURES

8.1 Please provide details of any mitigation measures proposed that have not been included elsewhere in this application:

9 CONSIDERATION OF ALTERNATIVES

9.1 Please provide an assessment of:

- (a) the nature of the discharge and the sensitivity of the receiving environment to adverse effects; and
- (b) the applicant's reasons for the proposed choice; and
- (c) any possible alternative methods of discharge including discharge into any other environment.

Please explain which alternative locations or treatment options were considered and why they were rejected:

Note: This information is required under Section 105 of the Resource Management Act. If you don't complete this section your application will be returned to you as incomplete.

10 OTHER INFORMATION

10.1 Notification

If your assessment of effects has shown that adverse effects on the environment are likely to be more than minor and/or there are people who may be adversely affected from whom you are unable to obtain written approval, you may wish to request that your application be publicly notified or limited notified in order to avoid possible delays in the processing of your application.

The final decision to notify or not notify an application will still be made by Environment Canterbury.

Please note that an application cannot be notified unless there is sufficient information for the notice to make it clear what is being applied for, and how it might affect the environment (including people).

10.1.1 I request that my application is notified.

☐ Yes ☐ No

10.2 Duration requested

10.2.1 Please specify the duration sought for your consent(s):

years months.

Note: The maximum duration allowed under the Act is 35 years.

10.3 Start date

Note: Resource consents lapse five years after their commencement date unless the consent has been given effect to or an application is made to Environment Canterbury to extend this period.

10.3.1 When do you propose to start the activity?

(date/month/year)

10.4 Additional notes to applicants

- Your application must be publicly notified unless Environment Canterbury is satisfied that the adverse effects on the environment will be minor and written approval has been obtained from every person Environment Canterbury considers may be adversely affected by the granting of your application (unless Environment Canterbury considers it unreasonable to require the obtaining of every such approval).
- Section 128 of the Resource Management Act 1991 sets out the circumstances in which Environment Canterbury may review the conditions of a resource consent. Under Section 128(c) Environment Canterbury may undertake a review at any time if the application contained any inaccuracies which materially influenced the decision made.
- **The information you provide with your application, which includes all associated reports and attachments, is official information. It will be used to process your application and, together with other official information, assist in the management of the region's natural and physical resources. Access to information held by**

Environment Canterbury is administered in accordance with the Local Government Official Information and Meetings Act 1987, and Privacy Act 1993. Your information may be disclosed in accordance with the terms of these Acts. Public access is also provided to consent information via Environment Canterbury's website. *Environment Canterbury may withhold access to information in certain circumstances. It is therefore important you advise Environment Canterbury about any concern you may have about disclosure of any of the information, which includes all associated reports and attachments, you have provided in this application (e.g. protection of personal information, trade secrets, commercially sensitive material, information which, if released, may cause serious offence to tikanga Maori, or any other information you consider should not be disclosed. While Environment Canterbury may still have to disclose information under the above legislation, it can take into account any concern you wish to raise.*

Please describe any concerns here:

10.5 Errors and omissions

10.5.1 When you receive your Resource Consent Documents please check that the details are correct. You have a 15 working day period after the decision is notified to allow you to object or advise of errors or omissions without cost.

11 APPLICANT SIGNATURE AND DATE

I/we **have read** all of the information on this application form and I understand all of the notes and I understand that I am liable to pay all actual and reasonable charges relating to the processing of this application.

I/we **also understand** that if the application is granted, I will be liable to pay all actual and reasonable charges related to compliance monitoring of the consent.

Signature of **applicant**

or **Duly Authorised Person**

Date

Full name of person signing – please print

Signature of **applicant**

or **Duly Authorised Person**

Date

Full name of person signing – please print

Note: Environment Canterbury must have written authorisation to process your consent application. Both the consultant (if used) and the applicant must sign this section.

- Where there are multiple people applying for consent, all persons must sign this form.
- If a company is the applicant, at least one director must sign this form.
- Anyone else who is applying for consent on behalf of another person, group of people or a company (e.g. a manager applying on behalf of a company) can sign this form and submit the application. However, written authorisation from the persons or company on behalf of which the consent is being applied for must be supplied with this application.

12 CONSULTANT SIGNATURE AND DATE

Signature of **consultant**

Date

Full name of person signing – please print

CHECKLIST

Please ensure you:

- ☐ Complete all parts of this application form.
- ☐ Include an assessment of effects of the activity on the environment, set out in Section 7 of this application form.
- ☐ Include a site plan.
- ☐ Include a copy of the certificate of title, rates demand, subdivision plan or valuation notice for the site your application relates to.
- ☐ Sign and date this application form (both applicant and consultant if one is used).
- ☐ Include the appropriate charge as set out in the "Summary of Resource Consent charges".

Consider consulting local Rūnanga:

- ☐ If your proposed activity occurs:
 - (a) Within a statutory acknowledgement area
 - (b) Within a silent file area
 - (c) Close to a site of cultural significance, or
 - (d) Otherwise affects a site of cultural significance.

13 LOCATION PLAN

Please complete this plan showing the site with the location of the proposed activity and indicate any relevant identifying features such as buildings, roads, rivers, etc or other relevant details, or alternatively, attach a plan or map to this consent application.

