

Resource Consent Application Form 29

Use of land for an animal waste system built or to be built after 6 July 2020 (NEW SYSTEMS)



This application is made under Section 88 of the Resource Management Act 1991

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IMPORTANT NOTES TO THE APPLICANT

This form is to be used for the use of land for a new animal waste system. If your animal waste system was built prior to 31 March 2020, please use Application Form 25. Ensure that you complete this Application Form 29 and Resource Consent Application Form 1 in full.

Animal waste system: means the collection, conveyance, storage and treatment of liquid or solid animal waste.

For the purposes of this application, an animal waste system does not include the discharge of animal waste to land. The discharge activity will require an additional consent. Refer to Application Form 23 for details.

Please refer to the **Animal Waste Systems Factsheet** for additional information about the use of land for an animal waste system.

The application will be assessed in terms of potential adverse effects on water quality and cultural values.

For the consent application to be processed efficiently in the minimum time and at minimum cost, it is critical that as much relevant information as possible is included with the application. If all the necessary information is not entered on the form or supplied with the application then Otago Regional Council may return your application, request further information, or publicly notify your application. This will lead to delays in the processing of your application and may increase processing costs. This application form, when properly completed, should provide an adequate "Assessment of Effects on the Environment" (AEE) where the adverse effects of a proposal are not significant. However, this can only be determined on application.

You may wish to provide a separate AEE using this form as template.

PART A: GENERAL

A.1 Is this application to use land for an animal waste system (*tick which applies*):

- That was built after 6 July 2020?
- That will be built once consent is granted?

A.2 If your system is existing, when was it completed?

A.3 If your system is yet to be built, when do you intend to have it ready for use?

PART B: LOCATION OF THE LAND USE ACTIVITY

B.1 Landholding within which the animal waste system will be located

A landholding is defined as either land in a single certificate of title, land in two or more adjoining certificates of title with a common occupier, or all contiguous land acquired under one instrument of conveyance and occupied by a common occupier.

a. Name of owner(s)

b. Address/Location

c. How big is the landholding?

_____ hectares

d. Legal description(s) of the landholding (as shown on Certificate of Title)

e. Please attach a current Certificate of Title to the application

Yes, Certificate of Title attached

B.2 Location of the animal waste system

a. Where will your animal waste system located?

Please provide as many points as possible, including all corners of a pond or central point for a tank, as well as any other components of the system.

NZTM 2000 _____	mE _____	mN _____
NZTM 2000 _____	mE _____	mN _____
NZTM 2000 _____	mE _____	mN _____
NZTM 2000 _____	mE _____	mN _____
NZTM 2000 _____	mE _____	mN _____

Use New Zealand Transverse Mercator (NZTM) e.g. E1336382 N4984920. If possible, use a Geographic Positioning System (GPS) device to obtain a map reference accurate to 10 metres. The northing follows the easting.

Maps with NZTM co-ordinates can also be found at your local library, bookstores or can be downloaded from the Land Information New Zealand website: <http://www.linz.govt.nz/topography/topo-maps/index.aspx>

B.3 Please provide a map or aerial image showing:

- Your landholding boundary, as per the legal description(s) above
- The proposed location of the animal waste system, including:
 - Where effluent will be generated (for example, dairy shed or wintering barn)
 - Where effluent will be treated (for example, sludge bed with weeping wall)
 - Where effluent will be stored (for example, effluent pond or tank)
- Within and near the area to be used for your animal waste system, identify:
 - Any water bodies (including rivers, lakes, streams, ponds)
 - Any wetland areas
 - Any subsurface drainage
 - Any bores or soakholes
- A north symbol (oriented to the top of the page if possible) and scale bar

B.4 In addition to the map or aerial image required above, please provide some photos (if existing) and technical drawings of your proposed animal waste system.

B.5 Nearby sensitive receptors

Any sensitive receptors (see table below) should be marked on the map required under B.3. Please complete the table below to clearly identify the setback from the animal waste system to these sensitive receptors, and any others not marked on the plan.

a. Please use the table below to identify any sensitive receptors near the animal waste system

Sensitive receptor	Specific details about the sensitive receptor*	Setback to animal waste system
Landholding boundary		
Dwelling inside boundary		
Dwelling outside boundary		
Bore		
Bore used for human consumption		
Soakhole		
River		
Lake		
Regionally significant wetland		
Other waterbody not listed above		
Subsurface drainage		
Other (list below)		

* Details might include address of dwellings, bore numbers, waterbody names

b. Using the information in the table above, will any aspect of your animal waste system be located within the specified distance of the sensitive receptors listed below?

i. 50 m of a lake, river or regionally significant wetland

Yes

No

ii. 90 m of a water supply used for human consumption

Yes

No

iii. 50 m of any bore or soak hole

Yes

No

iv. 50 m of the landholding boundary

Yes

No

c. Will any aspect of your animal waste system be located above sub-surface drainage (excluding a leak detection system)?

Yes

No

- d. If you answered yes to any of the questions in b and c above, please provide some further discussion on the nature of the sensitive receptor.

Further discussion may include the name and description of the nearby waterways, what the bores are used for, what is on the boundary of the property (road, agricultural land) or how the sub-surface drainage works and where it discharges to.

B.6 Existing water quality

- a. If known, what is the current state of water quality in the water bodies within or near your animal waste system?

This includes visual clarity, contaminant concentrations, periphyton or algal growth

B.7 Groundwater levels

- a. If known, what are the groundwater levels on or near your discharge area?

PART C: NATURE OF THE ANIMAL WASTE SYSTEM

This application is only for the use of land for a new animal waste system. The details of how you discharge the collected animal waste to land will be covered by a separate application.

C.1 Sources of animal waste

- a. **From how many, and which types of animals will you collect animal waste, and where will the animal waste be collected?**

For example, running a milking herd of up to 600 cows that are milked XX times a day over a milking season of 305 days. Animal waste is collected from the milking shed and yards.

- b. **How will the waste be collected?**

How is waste from each of the sources above transported through the animal waste system and to any storage facility? For example, it passes through a stone trap and sump and is pumped to a weeping wall and pond.

- c. **If it is not clear in the plan required by Section B.3, please provide a schematic and design plans showing how your animal waste system will work.**

C.2 Storage of animal waste

- a. **What will you use to store animal waste?**

- A fully synthetic lined pond
 An impervious concrete pond
 An above ground tank
 Other

If other, please describe:

- b. **If your pond will be fully synthetic lined pond, will you have a leak detection underlying the pond installed?**

- Yes
 No

- c. **Has your animal waste storage facility design been certified as being in accordance with**

i. IPENZ Practice Note 21: Farm Dairy Effluent Pond Design and Construction.

- Yes
 No

ii. IPENZ Practice Note 27: Dairy Farm Infrastructure

Yes

No

iii. Please provide details, including the name of the person who provided the certification, their relevant qualifications and/or experience, the date of the certification and any relevant written documents:

d. Please provide design and construction plans for your animal waste storage facility, including the embankment heights, and orientation relative to flood flows and stormwater run-off.

C.3 Capacity of your animal waste storage

Capacity of the animal waste storage refers only to the pond or tank described in section C.2. While we acknowledge that other aspects of the animal waste system may provide some additional storage, this storage is not pumpable, so does not contribute to your animal waste storage capacity.

a. What is the minimum pumpable capacity of your animal waste storage?

The minimum pumpable capacity of your animal waste storage should take into consideration the vertical free-board and unpumpable sludge at the base of the facility.

_____ cubic metres useable volume

b. What is your minimum required storage volume, as calculated using the Dairy Effluent Storage Calculator (DESC)?

_____ cubic metres pumpable volume

c. If your available capacity is less than the DESC volume, how do you intend to manage the shortfall in storage?

For example, will you transport animal waste off-site, establish new or additional storage?

PART D: MANAGEMENT OF THE ANIMAL WASTE SYSTEM

D.1 Management of the animal waste system

a. As part of your resource consent, do you agree to have your storage facility regularly visually inspected and drop tested by a suitably qualified and experienced person (at least once every three years)?

Yes

No

Please provide details:

b. If your pond will be fully synthetically lined and have a leak detection system, as part of your resource consent do you agree to inspect your pond and leak detection regularly (at least monthly), and record the results?

- Yes
- No

c. If the leak detection system detects a leak, do you agree to have an inspection undertaken by a suitably qualified and experienced person within two months to determine whether the leak is within the normal operating parameters of the pond?

- Yes
- No

d. Will the animal waste system, including storage, be protected by damage from animals and machinery?

- Yes
- No

Please provide details:

D.2 Animal waste system management plan

An animal waste system management plan is a document specific to your operation that sets out when your animal waste storage facility shall be drop tested (at least every three years) and details the contingency measures in place to prevent the discharge of animal waste to water in the event of a power outage or failure of equipment.

a. Do you have an existing animal waste system management plan?

- Yes
- No

If yes, please provide a copy with your application.

b. If you answered no above, do you agree to prepare and implement one as part of your conditions of consent?

- Yes
- No

c. If you answered no above, why?

PART E: ASSESSMENT OF ENVIRONMENTAL EFFECTS

In assessing the potential effects of your use of land for your animal waste system, the key effects council staff will look at are the effects on water quality, effects on flood flows and stormwater run-off, effects of construction and/or operation and maintenance on sensitive receptors, and effects on Kai Tahu cultural and spiritual beliefs, values and uses.

E.1 Describe the actual and potential effects your use of land for an animal waste system may have on water quality. This includes ground and surface water quality.

The use of land for your animal waste system, including construction, use and maintenance has the potential to negatively impact water quality through seepage, leaks in the storage facility, or in case of system failures or power cuts. In this section, provide a discussion on how you will ensure effects on water quality are avoided or minimised as best possible.

E.2 Describe the actual and potential effects your use of land for an animal waste system may have on flood flows and stormwater run-off.

The use of land for your animal waste system has the potential to disrupt flood flows and stormwater run-off, in comparison to when the area used was undeveloped. In this section, provide a discussion on how you will ensure effects on flood flows and stormwater run-off are avoided or minimised as best possible, including how preferential flow paths might be disrupted, whether or not stormwater is collected by the animal waste system, and how run-off from the storage facility will be managed.

E.3 Describe the actual and potential effects the construction, operation and maintenance your use of land for an animal waste system may have on sensitive receptors.

The use of land for your animal waste system, including the construction, operation and maintenance may result in effects on nearby sensitive receptors. In this section, provide a discussion on how you will ensure effects on sensitive receptors will be avoided or minimised. This section does not include surface and ground water, as these have already been discussed in section E.1.

E.4 Describe the cumulative effects of your use of land for an animal waste system.

Cumulative effects are effects which arise over time, in combination with other effects. While the effects of your activity on its own may be environmentally acceptable, cumulative effects recognise that similar effects over time from many activities may not be acceptable.

E.5 Describe the actual and potential effects your use of land for an animal waste system may have on Kai Tahu cultural and spiritual beliefs, values and uses.

The use of land for your animal waste system has the potential to impact Kai Tahu values. In this section, provide a discussion on any Rūnanga sensitive receptors nearby (Statutory Acknowledgements, wāhi tapu etc), and how your animal waste system might affect these features and the associated cultural values.

E.6 Describe the actual and potential positive effects of your use of land for an animal waste system.

PART F: ALTERNATIVES

F.1 Have any alternatives to the current/proposed animal waste system been considered? If so, why is the current/proposed system being utilised over the alternatives?

PART G: CONSULTATION

G.1 Please describe any consultation undertaken with persons/parties potentially affected by your proposed discharge.

Parties may include Public Health South, landowners, neighbours, Aukaha, Te Ao Marama, Forest and Bird, Fish and Game Otago and Department of Conservation.

G.2 Please attach any written approvals received to the application.

Please note that the Council only accepts unconditional written approvals and any conditions proposed by affected parties need to be agreed to and incorporated into the application.

PART H: DEPOSIT

A deposit is required upon lodgement of your application. Refer to the fees on Form 1. This deposit is not the final or maximum cost of your application. Further charges are incurred in accordance with Councils scale of fees and charges.

H.1 Deposit Enclosed

- Yes
 No

PART I: CHECK LIST

I.1 Use the checklist below to ensure you've provided all of the relevant information to complete your application.

- Fully completed this application form and Form 1?
- Attached a detailed site map? Refer to B.3
- Attached any relevant photos? Refer to B.4
- Attached any written approvals? Refer to G.2
- Paid your deposit or attached a cheque? Refer to H.1
- Attached Certificate of Title(s) less than 3 months old? Refer to B.1
- An assessment of the activity against the relevant parts of the RMA, Regional Policy Statement (Operative and Partially Operative) and Water Plan.

To keep consent processing costs to a minimum it is strongly recommended that the checklist is complete and all items required are attached **before** you lodge your application to the Otago Regional Council.

If you have any queries relating to information requirements, please contact the Otago Regional Council Offices:

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Dunedin 9054

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