

Resource Consent Application Form 25

Use of land for the construction,
use and maintenance of an animal
effluent storage facility (new and
existing)



Otago
Regional
Council

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

Phone: 0800 474 082

Website: www.orc.govt.nz

IMPORTANT NOTES TO THE APPLICANT

This form is to be used for the use of land for the construction, use and maintenance of an animal effluent storage facility. Please ensure that you complete this Application Form 24, Resource Consent Application Form 1 and Form 23 in full. 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.

Animal effluent storage facility: A pond, tank, or structure primarily used for the containment or storage of animal effluent, but excludes any ancillary structures for the collection, conveyance or treatment of liquid or solid animal effluent, such as sumps, stone traps and weeping walls.

SECTION A: GENERAL

1. Location of the proposed or existing effluent storage facility:

Address	
Map reference in NZTM 2000 for the four corners of the proposed/existing storage facility, or mid point for a tank and any other structures you will use for the storage or treatment of effluent. <i>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.</i> <i>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</i>	
Legal descriptions of where you will construct your storage/where your storage currently is (please include an up to date Certificate of Title).	

2.

2.1. What type of storage do you already have in place?

Effluent pond (complete question 3 below)

Tank

Other (please state)

2.2. What type of storage are you proposing to put in?

Effluent pond (complete question 3 below)

Tank

Other (please state)

3. How will you line your storage?

Compacted clay synthetic liner

Concrete

Other (please state)

Not applicable to my storage

4. Proposed total volume of storage
(cubic metres)

5. Proposed pumpable volume of storage
(cubic metres)

SECTION B: CONSTRUCTION DETAILS

6. Please answer the following about your storage:

Question	Response	Comments
The animal effluent storage facility is sized in accordance with the 90th percentile as calculated by the Dairy Effluent Storage Calculator, and where relevant using a conversion factor for animals other than	Yes/no	Please include a copy of this report with your application.

dairy cows determined by a Suitably Qualified Person as defined in Schedule 20 of the Regional Plan: Water		
The design of the animal effluent storage facility, and any leak detection system has been certified by a Suitably Qualified Person as being in accordance with the relevant parts of IPENZ Practice Note 21/ IPENZ Practice Note 27	Yes/no	Please include a copy of this certification
Certified by a suitably qualified person in the last five years as having no holes, cracks or defects that will allow effluent to leak from it?		Please include a copy of this certification
Had a pond drop test completed on it and it meets the relevant criteria?		Please include the results of the last pond drop test

7. If the pond or tank is not/ will not be constructed and installed in accordance with the IPENZ practice notes please provide an explanation of the departure from the standards and why this is necessary

8. Please provide some photos (if existing) and technical drawings of your proposed animal effluent storage facility that include but are not limited to the height of the embankments, placement and orientation of the storage relevant to flood flows and stormwater run off.
9. Please provide the below information about who will design and build your storage

Name of pond designer	
Brand of tank	
Name of builder	
Name of construction supervisor	
Confirmation that the pond designed is a Suitably Qualified Person (see schedule 20 at the back of this form)	
Proposed timing of construction or date that system was installed	

10. Please provide a description of all of the sources of waste-water, sludge or effluent to be treated and/or stored in the storage, including the storage capacity of the effluent storage in relation to the volume and nature of the liquid that will enter. Please include reference to any treatment on site or conveyance such as sumps, stone traps and weeping walls.

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11. Please provide details of the proximity of the storage facility to the below:

Nearest surface watercourse	Metres
Nearest artificial watercourse	Metres
Drinking water supply	Metres
Soak hole	Metres
Nearest underground drain (excluding a leak detection system)	Metres
Property boundary	Metres
Road	Metres
Dwellings on neighbouring properties	Metres
Coastal marine area	Metres
Regionally Significant Wetland	Metres
Bore	Metres
Historic heritage site	Metres
Site if cultural significant to Kai Tahu	Metres
Natural wetland	Metres

12. If your storage is/will be within 50 m of a river, lake, Regionally Significant Wetland, bore or soak hole; 90 metres of a water supply used for human consumption or above subsurface drainage then please complete the below question 13 and 19. If not, please proceed to question 14.

13. Features of the rivers, streams, lakes, drains, ponds or wetlands within 50 metres from the site of the storage:

signs of instream life (e.g. fish, eels, bullies, crayfish, native birds, frogs)	yes/no
areas where food is gathered from a water body (e.g. watercress, eels, wildfowl)	yes/no
bird nesting habitats	yes/no
areas of particular aesthetic, cultural, heritage or scientific value (e.g. archaeological sites)	yes/no

SECTION E MANAGEMENT OF THE LAND USE ACTIVITY (STORAGE)

14. Please attach a copy of your Farm Management Plan that details the below. Information in this plan is needed to assess your application, if this information is not included then we will ask you for it. This please can be a draft management plan, that is finalised once consent is approved. This can be an existing management plan that has been updated to include the below information that is required under Schedule 21 of the Regional Plan Water. The management plan must contain the following:

- Physical address of where the animal effluent system is located, and the land where liquid or solid animal effluent is to be applied,

- A description of the landholding ownership, and the contact details of the owner and the person in charge, (c) legal description(s) of the landholding
- A list of all the relevant resource consents held for the landholding and their expiry dates,
- A map(s) or aerial or satellite photograph(s) showing the locations of:
 - the boundaries of the landholding,
 - the location of any dairy shed, animal effluent storage facilities, and any other components of an animal effluent system,
 - lakes, rivers, natural wetlands, bores, soak holes, the coastal marine area, water supply for human consumption and dwellings within the landholding,
 - the area of land where liquid or solid animal effluent is to be applied, and in relation to this area:
 - soil types and their risk profile¹,
 - any critical source areas and the locations of known subsurface drains.
- Operational procedures for using and maintaining the animal effluent system and for managing the discharge of animal effluent,
- Inspection, monitoring and reporting requirements and timeframes.
- Contingency measures to prevent the discharge of liquid or solid animal effluent to a water body, an artificial watercourse, or the coastal marine area, either directly or indirectly,
- Identification of measures to be taken to respond to a leak and the timeframe for response; including, for animal effluent storage facilities with a leak detection system where a leak is detected, a requirement for an assessment by a Suitably Qualified Person to be undertaken as soon as practicable and no later than two months of the detection to determine whether the leak is within the normal operating parameters of the pond, and
- Responses to any other system failures or emergencies, including timeframes for response.

PART E: ASSESSMENT OF ENVIRONMENTAL EFFECTS

15. Describe the actual and potential effects your use of land for an animal effluent storage facility may have on water quality. This includes ground and surface water quality.

For example, the use of land for an animal effluent storage facility, 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. However, the pond/tank has been designed by a suitably qualified person, is located away from waterways and the base of the pond will not intercept groundwater. During construction the site will be managed to ensure material does not enter any waterways.

¹ Footnote 1: A digital soil map for New Zealand can be found online at <https://smap.landcareresearch.co.nz>

16. Describe the actual and potential effects your use of land for an animal effluent storage facility may have on flood flows and stormwater run-off and the height of the embankments and placement of the facility relative to flood flows and stormwater run-off.

For example, the use of land for an animal effluent storage facility has the potential to disrupt flood flows and stormwater run-off, in comparison to when the area used was undeveloped. The pond design and location ensured effects on flood flows and stormwater run-off are avoided or minimised as best possible. Preferential flow paths will not be disrupted and stormwater is collected by the animal effluent storage facility.

17. Describe the measure used to avoid, remedy or mitigate adverse effects on Kai Tahu cultural and spiritual beliefs, values and uses.

For example, the construction of the storage will enable effluent to be discharged when soil moisture conditions are suitable, reducing the risk of effluent entering waterways or the over application of effluent. The site of the pond/tank is not close to waterways and there are no wāhi tapu sites or areas of cultural significance in proximity to the construction site.

18. Describe the positive effects of your use of land for an animal effluent storage facility.

For example, the construction of the storage enables the deferring of the discharge of effluent until soil moisture conditions are suitable. The farm also provides for employment for works and contributes to the social wellbeing of the community.

19. **Only answer this question if you answered question 13 above, otherwise do not do this section.**

Describe the cumulative effects of your use of land for a component of an animal effluent 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.

SECTION I: CONSULTATION

20. Please describe any consultation undertaken with persons/parties potentially affected by your proposed discharge. You do not need to consult, but if you do please include evidence of this.

21. **Please attach any written approvals received to the application.** Council only accepts unconditional written approvals and any conditions proposed by affected parties need to be incorporated into the application. *Council only accepts unconditional written approvals and any conditions proposed by affected parties need to be incorporated into the application. You do not need to do this at this stage – check with Council first.*

PLANNING ASSESSMENT

22. The Resource Management Act 1991 requires you to make your own assessment of your proposal against relevant policies. A separate planning assessment sheet is available to use, or you can do your own assessment. An assessment must be included with your application.

SECTION J: CONSENT DURATION

23. Policy 7.D.7(e) provides direction that consent duration for this type of activity should be 10 years. If you want your consent to be longer than 10 years please provide reasons as to why this is justified.

- 10 years other (please specify and explain why below)

SECTION K: CHECK LIST

Use the checklist below to ensure you've provided all of the relevant information:

- Fully completed this application form and Form 1? Attached a management plan? Paid your deposit?
- Attached a detailed site map? Attached any relevant photos? A policy assessment
 attached your DESC Attached your storage plans