

Resource Consent Application Form 30

Discharge of synthetic nitrogen fertiliser



Otago
Regional
Council

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

Phone: 0800 474 082

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IMPORTANT NOTES TO THE APPLICANT

Consent for discharging synthetic nitrogen fertiliser is required under Clause 34 of the Resource Management (National Environmental Standards for Freshwater) Regulations 2020.

This form is to be used for the discharge of synthetic nitrogen fertiliser activities that require consent. Refer to Section A.2 below for the consent triggers. If your activity does not trigger any of the matters set out in Section A.2, your activity is likely to be permitted under Clause 33 the National Environmental Standards for Freshwater. Ensure that you complete this Application Form 30 and Resource Consent Application Form 1 in full.

Synthetic nitrogen fertiliser:

- a. means any substance (whether solid or liquid) that—
 - i. is more than 5% nitrogen by weight; and
 - ii. is applied to any plant or soil as a source of nitrogen nutrition for plants; and
- b. includes any manufactured urea, diammonium phosphate, or sulphate of ammonia to which paragraph (a) applies; but
- c. does not include a compost, soil treatment, or fertiliser that—
 - i. is derived from plant or animal waste or residue; and
 - ii. is minimally processed (for example, by being composted, mixed, dried, and pelleted).

Nitrogen cap: for the land in pastoral land use in a contiguous farm, means the application of nitrogen at a rate of no more than 190 kg/ha/year—

- a. to all of that land, as averaged over that land; and
- b. to each hectare of that land that is not used to grow annual forage crops.

Pastoral land use: does not include the use of land for the grazing of livestock on the stubble of a crop that has been harvested after arable land use.

Please refer to the **Nitrogen Fertiliser Factsheet** for additional information about the discharge of synthetic nitrogen fertiliser.

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 (tick which applies):

For a NEW consent to discharge synthetic nitrogen fertiliser?

To REPLACE a current discharge synthetic nitrogen fertiliser consent?

Current consent number: _____

Expiry date: _____

A.2 What is the reason you require consent?

If you don't meet the criteria below, your discharge of fertiliser activity may be permitted under Clause 33 of the National Environmental Standards for Freshwater.

The application of synthetic nitrogen fertiliser will exceed 190 kg N/ha/yr (the nitrogen cap)

PART B: LOCATION OF THE ACTIVITY

B.1 **Contiguous landholding within which synthetic nitrogen fertiliser will be discharged**

A contiguous landholding means 1 or more parcels of adjoining land that are managed as a single operation.

Name of owner(s):

Address/Location:

How big is the contiguous landholding?

_____ hectares

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

Please attach a current (no less than 3 months old) Certificate of Title to the application.

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B.2	<p>Land to which synthetic nitrogen fertiliser will be applied</p> <p><i>As your consent to discharge synthetic nitrogen fertiliser may be granted with a duration of several years, please identify all areas where fertiliser might be applied, as well as how much fertiliser will be applied.</i></p> <p>How much of the contiguous landholding currently receives synthetic nitrogen fertiliser?</p> <p>_____ hectares</p> <p>How much of the contiguous landholding may receive synthetic nitrogen fertiliser in the future?</p> <p>_____ hectares</p> <p>What is the nature of the terrain onto which synthetic nitrogen fertiliser will be applied, including slope (flat, rolling, steep) and the direction of slope?</p> <p><i>Attaching the map required in B.3 below will help you with this answer.</i></p> <hr/> <hr/> <hr/> <hr/> <hr/>
B.3	<p>Map or aerial image</p> <p>Please provide a map or aerial image showing:</p> <p><input type="checkbox"/> The contiguous landholding boundary, as per the legal description(s) above</p> <p><input type="checkbox"/> All pastoral land use areas that may receive synthetic nitrogen fertiliser</p> <p><input type="checkbox"/> Within and near the areas that may receive synthetic nitrogen fertiliser, identify:</p> <ul style="list-style-type: none"> <input type="radio"/> Any critical source areas <input type="radio"/> Any water bodies (including rivers, lakes, ponds and streams) <input type="radio"/> Any wetlands <input type="radio"/> Any subsurface drainage <input type="radio"/> Any bores or soakholes <p><i>These areas maybe within or outside the boundary of the farm.</i></p>

	<input type="checkbox"/> Nature of the terrain, including slope (flat, rolling, steep) and direction of slope <input type="checkbox"/> A north symbol (oriented to the top of the page if possible) and scale bar
B.4	<p>Additional information regarding the contiguous landholding</p> <p>In addition to the map or aerial image required in B.3, you may also provide some photos of the areas of your contiguous landholding that will receive synthetic nitrogen fertiliser and any critical source areas or waterways. You may also provide some photos of your current fertiliser practices, if these reflect how the proposed activity will be managed.</p> <p>Description of any photos included:</p> <hr/> <hr/> <hr/>

PART C: NATURE OF THE FERTILISER USE

C.1	<p>Current synthetic nitrogen fertiliser use</p> <p>What type synthetic nitrogen fertiliser is currently applied? <i>Different fertilisers containing synthetic nitrogen contain different quantities of nitrogen, and have different properties and uses.</i></p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <p>How much synthetic nitrogen fertiliser is currently applied? <i>Quantities of fertiliser applied include per application, and in total per year.</i></p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
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	<p>How is synthetic nitrogen fertiliser applied?</p> <p><i>Fertilisers can be applied in different ways, and at different times according to plant requirements.</i></p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <p>When and why is synthetic nitrogen fertiliser is applied?</p> <p><i>The timing of applications includes time of year, time of day, appropriate weather conditions, requirements of the pasture, timing with stock and crop rotations.</i></p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
<p>C.2</p>	<p>Proposed synthetic nitrogen fertiliser use</p> <p><i>The National Environmental Standards – Freshwater provide two options for obtaining a consent to discharge synthetic nitrogen fertiliser. Each option will be covered below. You only need to apply under <u>one</u> of these options.</i></p> <p><i>Regardless of the option chosen, the consent authority will need to be satisfied with the report or plan provided.</i></p>
<p>C.2.1</p>	<p>Report on good practices and the baseline rate</p> <p>The consent application includes a report that:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Has been prepared by a suitably qualified and experienced practitioner <input type="checkbox"/> Sets out good practices for applying synthetic nitrogen fertiliser to pastoral land in each relevant contiguous landholding <input type="checkbox"/> States that the grant of consent would not result in the rate of nitrogen entering water exceed the rate where synthetic nitrogen fertiliser applied at the highest rate that does not exceed the nitrogen cap
<p>C.2.2</p>	<p>Synthetic nitrogen reduction plan</p> <p>The consent application includes a synthetic nitrogen reduction plan that:</p>

	<input type="checkbox"/> Demonstrates how the applicant will reduce the use of synthetic nitrogen fertiliser year by year such that the use of synthetic nitrogen fertiliser will not exceed the nitrogen cap by <u>1 July 2023</u>
C.3	<p>Do you agree to report your synthetic nitrogen use to the consent authority annually?</p> <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p>If no, why not?</p> <hr/> <hr/> <hr/> <hr/>

PART D: MANAGEMENT OF THE DISCHARGE OF FERTILISER

D.1	<p>How will you manage the discharge of fertiliser activity?</p> <p><i>Please provide details of how you will manage the discharge of synthetic nitrogen fertiliser. This may include:</i></p> <ul style="list-style-type: none"> ○ <i>making fertiliser decisions based on soil testing, plant testing and/or nutrient modelling</i> ○ <i>timing of applications managed with rotations, weather, growth periods</i> ○ <i>application of fertiliser to maximise up take</i> ○ <i>avoiding applications when conditions are unsuitable</i> ○ <i>maintaining a log of the how, when and where of applications</i> ○ <i>setbacks to sensitive sites such as water bodies</i> <p><i>Management strategies may change across land types, so please be as specific as possible.</i></p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
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PART E: ASSESSMENT OF ENVIRONMENTAL EFFECTS

<p>E.1</p>	<p>Describe the actual and potential effects your discharge of fertiliser activity may have on water quality. This includes ground and surface water quality.</p> <p><i>The discharge of synthetic nitrogen fertiliser has the potential to negatively impact water quality through leaching and run-off of nitrogen. In this section, describe how your management practices, including any detailed in the report or plan required in section C.2 will ensure adverse effects on water quality are avoided or minimised as best possible.</i></p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
<p>E.2</p>	<p>Describe the cumulative effects of your discharge of fertiliser activity.</p> <p><i>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.</i></p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
<p>E.3</p>	<p>Describe the actual and potential effects your discharge of fertiliser activity may have on Kai Tahu cultural and spiritual beliefs, values and uses.</p> <p><i>The discharge of synthetic nitrogen fertiliser has the potential to impact Kai Tahu values. In this section, describe any nearby Rūnanga sensitive receptors (Statutory Acknowledgements, wāhi tapu etc), and how your fertiliser application might affect these features and the associated cultural values.</i></p> <hr/> <hr/>

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E.4	<p>Describe the actual and potential positive effects of your discharge of fertiliser.</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>

PART F: ALTERNATIVES

F.1	<p>Have any alternatives to the discharge of fertiliser been considered? If so, why is the proposed application being utilised over those alternatives?</p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
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PART G: CONSULTATION

<p>G.1</p>	<p>Please describe any consultation undertaken with persons/parties potentially affected by your proposed discharge.</p> <p><i>Potentially affected parties may include Public Health South, landowners (if landholding is leased), neighbours, Aukaha, Te Ao Marama, Fish and Game Otago and Department of Conservation.</i></p> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
<p>G.2</p>	<p>Written approvals</p> <p>Were any written approvals obtained as part of this application?</p> <p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p>If yes, please describe who written approval was obtain from, and why.</p> <hr/> <hr/> <hr/> <hr/> <hr/> <p>Please attach any written approvals received to the application.</p> <p><i>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.</i></p>

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.

PART I: CHECKLIST

<p>I.1</p>	<p>Use the checklist below to ensure you've provided all of the relevant information to complete your application.</p> <p><i>To keep consent processing costs to a minimum it is strongly recommended that the checklist is complete and</i></p>
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all items required are attached before you lodge your application to the Otago Regional Council.

- Fully completed this application form and Form 1?
- Attached Certificate of Title(s) less than 3 months old? Refer to B.1
- Attached a detailed site map? Refer to B.3
- Attached any relevant photos? Refer to B.4
- Attached a report detailing good practices and the baseline rate OR a synthetic nitrogen reduction plan?
Refer to C.2
- Attached any written approvals? Refer to G.2
- Paid your deposit or attached a cheque? Refer to Part H
- Attached a completed planning assessment sheet, or an assessment of the activity against the relevant parts of the RMA, National Policy Statement for Freshwater Management 2020, Regional Policy Statement (Operative and Partially Operative) and Regional Plan: Water for Otago

CONTACT US

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

Dunedin: 70 Stafford St Private Bag 1954 Dunedin 9054 Phone 03 474 0827 Fax 03 479 0015	Alexandra: Dunorling St PO Box 44 Alexandra 9340 Phone 03 448 8063 Fax 03 448 6112	Queenstown: Terrace Junction 1092 Frankton Road Queenstown 9300 Phone 03 442 5681 Fax 03 442 5682
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