

To: The Chief Executive  
Environment Southland  
Private Bag 90116  
DX20175  
Invercargill

## SUBMISSION FORM

### Submission on a Notified Application for a Resource Consent

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I: Dr Rye Senjen, Environmental and Human Health Aotearoa, [www.ehh-aotearoa.org](http://www.ehh-aotearoa.org) (Name(s))  
of: 50 Craigleith Street, Dunedin (Address)  
at: 0226262115 (Phone) (Fax) [ryesenjen@ehh-aotearoa.org](mailto:ryesenjen@ehh-aotearoa.org) (E-mail)

#### Wish to **OPPOSE** submit a submission on the application of:

Name: **Woldwide One Limited,**

And/or Organisation: \_\_\_\_\_

Application Number: **APP-201714**

Location: 1200 Hundred Line Road East, Heddon Bush

My reasons for my submission are: *(State the nature of your submission and give clear reasons. Continue on attached pages if necessary)*

- Environmental effects: The proposed operation has been modelled using Overseer, and this has shown that the proposal is likely to have greater effects on groundwater quality when compared to modelling of the current operation. This is likely to be very detrimental to an already fragile environment, creating toxic algae, choking the water of oxygen and leading to widespread death of invertebrates, insects, plants etc. For instance, almost three quarters of NZ native fish are under threat.
- Receiving environment: Council's groundwater monitoring data shows that nitrate concentrations are elevated in this area. Adding an additional up to 800 cows is only going to make nitrate levels worse. The effect of increased nitrate level is multi faceted with the effect on new born babies (methaemoglobinaemia) being the most well publicized.
- There is also the ever present issue of groundwater contamination by for instance E. coli. E. coli not only makes the water unswimmable, but undrinkable. The latter especially can lead to severe ill health in human populations (see Hawke's Bay in 2016, resulting in the death of three people and many more with health issues).
- The application must be rejected because the described management practices and mitigation measures undertaken on farm are not sufficient to mitigate the adverse effects on water quality. In this context we also strongly encourage Environment Southland to adhere to Policy 15 of the proposed Southland Water and Land Plan which directs that water quality is to be maintained or improved, and Policy 16. 1. (b), which strongly discourages applications to further intensify existing dairy farming where the effects on water quality, including cumulatively, cannot be avoided or fully mitigated, or in areas where water quality is already degraded to the point of being over allocated.
- Many pollutants will take years moving through groundwater can take decades to emerge in lakes and other water ways. The worst may still be to come.

I wish the Council to make the following decision:

**We hence urge the Council to adopt a precautionary approach and not only reject the application but to require the applicant to reduce cow numbers to such a level that nitrate levels fall below elevated levels.**

**REJECT land Use Consent** to increase cow numbers.

**REJECT discharge Permit** to discharge dairy shed and wintering barn effluent to land from up to 800 cows by travelling irrigator.

**REJECT Water Permit** to take up to 91,000 litres per day of groundwater from a bore in the Waimatuku Groundwater Zone.

(Give precise details, including the nature of any conditions sought)

**I, am not** (choose one) a trade competitor\* of the applicant (for the purposes of Section 308B of the Resource Management Act 1991).

*\*If trade competitor chosen, please complete the next statement, otherwise leave blank*

**I am not** (choose one) directly affected by an effect as a result of the proposed activity in the application that:

- (a) adversely affects the environment; and
- (b) does not relate to trade competition or the effects of trade competition.

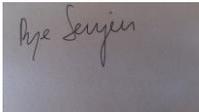
**I, do** wish to be heard in support of my submission.

**I, do** (choose one) wish to be involved in any pre-hearing meeting that may be held for this application.

I have served a copy of my submission on the applicant.  Yes  No

**Signed** \_\_\_\_\_

**Date** 22 Jan 2018



If you have any queries about this form or its purpose please contact the Consents Division of Environment Southland (03) 211 5115 or 0800 76 88 45.