

Resource Management (National Environmental Standards for Freshwater) Regulations 2020

Assessment for David Kingan at 48 Murdochs Road, Ashburton

National Policy Statement for Freshwater Management 2020 (NPS-FM)

1.- The fundamental concept of the NPS-FM is Te Mana o te Wai which has a hierarchy of obligations towards protecting the health of freshwater that prioritises:

A- first, the health and well-being of water bodies and freshwater ecosystems;

-The ABS 2000 Series Secondary Treatment System has been in for testing at O.S.E.T and achieved the results attached in the Resource Consent application. With these performance outcomes of the ABS Series Secondary Treatment System and the location of the proposed land application system having a substantial separation distances maintained from all transmittable water bodies and freshwater ecosystems this protects all water bodies health and well-being. Please refer to attached site plan in the Resource Consent application. Groundwater separation at the site has been assessed to be 10m and separation distances are maintained from all well and well protection zones. Please refer to attached well separation distances in the Resource Consent application. This treatment system and proposed land application system is on a six-monthly routine service contract that assesses the ongoing performance of the treatment system and proposed land application are maintained and therefore will protect all water bodies and freshwater ecosystems health and well-being.

B- second, the health of people (such as drinking water); and

- The ABS Series Secondary Treatment System has been in for testing at O.S.E.T and achieved the results attached in the Resource Consent application. The proposed land application system has separation distances are maintained from all water drinking sources so that the health of people is sustained. Please refer to the attached site plan in the Resource Consent application. Groundwater separation at the site has been assessed to be 10m and separation distances are maintained from all well and well protection zones. Please refer to attached well separation distances in the Resource Consent application. Because of the treatment outcomes, designed proposed location there will be minimal to no effects on public health or drinking water from this area. This treatment system and proposed land application system is on a six-monthly routine service contract that assesses the ongoing performance of the treatment system and proposed land application are maintained and therefore will protect all sources of drinking water.

C-third, the ability of people and communities to provide for their social, economic, and cultural well-being, now and in the future.

- The ABS Series Secondary Treatment System has been in for testing at O.S.E.T and achieved the results attached in the Resource Consent application. The proposed land application system has separation distances are maintained from all communities and there is no significance to any cultural well-being as the proposed activity is not located near or in these areas. The proposed land application system will be either fenced or be identified by clear signage to identify the land application system to safeguard the community or any other parties. Please refer to in in the Resource Consent application. The secondary treatment system and disposal area have been designed using current regulations and will be on a six-monthly service contract to monitor and report its functionality for insuring protection now and in the future.

Under NPS-FM section 3.24(3)(b) relation to specific requirements for activities that may adversely affect the values of a river, including cumulative effects and loss of potential value, every Regional Council must ensure that any consent granted is subject to conditions that apply the effects management hierarchy by requiring that:

- a. Adverse effects are avoided where practicable; and
- b. Where adverse effects cannot be avoided, they are minimised where practicable; and
- c. Where adverse effects cannot be minimised, they are remedied where practicable; and
- d. Where more than minor residual adverse effects cannot be avoided, minimised, or remedied, aquatic offsetting is provided where possible; and
- e. If aquatic offsetting of more than minor residual adverse effects is not possible, aquatic compensation is provided; and
- f. If aquatic compensation is not appropriate, the activity itself is avoided

The ABS Series Secondary Treatment System has been in for testing at O.S.E.T and achieved the results attached in the Resource Consent application. The adverse effects are avoided because of the treatment outcomes of the secondary treatment system and the location proposed disposal field. Please refer to site plan in the Resource Consent application. Through the Resource Consent assessment process, the effects are to be less than minor if any effects at all. Please refer to the above information and Resource Consent application. This treatment system and the proposed land application system is on a six-monthly routine service contract that assesses the ongoing performance of the treatment system and proposed land application are maintained to ensure no adverse effects takes place.

