

Form No: 110



Office use only

Consent number: 20-10826-1.0

Application number: 9972

Date received: 02 March 2020

Document number: 2443999

AEE Document number: _____

New Renewal

Coastal Marine Area Yes No

Draft report to be viewed: Yes / No

Eftpos / Cash / Cheque / Int Banking / Credit Card

Amount Paid \$ 1408.75 Date Pd With previous renewals

Resource Consent Application

(Pursuant to section 88 of the Resource Management Act 1991)

Discharge Permit

To discharge contaminants to water or land

(A separate application form is required for each consent being applied for)

Important: Please read carefully before completing the form

All applicants need to respond to all of the questions. If a particular section is not applicable to your application, please say so; do not leave the question blank. Questions may be answered in attached documentation if it is more convenient or insufficient space is provided on the form. If that is done, state specifically on the application form where the answer can be found (**include page numbers if referring to a separate report**).

If you have any questions relating to completion of this application form, please contact the Consents Department, Taranaki Regional Council on telephone (06)765-7127 or email consents@trc.govt.nz.

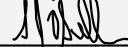
Lodge the application by signing below and sending the completed form to:

Mail: Taranaki Regional Council, Private Bag 713, Stratford 4352.
Attention: Consents Administration Officer

Email: consents@trc.govt.nz (if application is emailed please do not mail a hard copy unless requested to do so by the consents department.)

If you have not received an email acknowledgement for this application within 5 working days (for new applications) or 10 working days (for renewals) please contact consents@trc.govt.nz.

Application is hereby made for the resource consent detailed in this form

Signature of applicant or authorised agent: 

Name: Mr Stephen O'Sullivan Date: 27-02-2020

Please print full name of person who signed above.

1 Application Purpose

1.1 What is the purpose of this application?

New consent



Replacement for expiring
consent (renewal)



Consent number of expiring consent _____

Note: If you are applying to change the conditions of your consent, do not complete this form. You will need to complete form 510 instead.

2 Applicant Details

2.1 Applicant's name *(full name of proposed consent holder)*

Please complete either (a), (b) or (c) to whom consent is to be issued.

(a) Company Opunake Power Ltd

First Name

Middle Name

Surname

(b) Individual(s) Mr Stephen O'Sullivan

(c) Trust/Partnership Name _____

If Trust/Partnership: Full names of Trustees/Partners:

First Name

Middle Name

Surname

2.2 Applicant's address for service *[not consultant's address]*

E-mail steve.osullivan@xtra.co.nz

Postal Opunake Power Ltd c/o13 Verona Place, Stratford

Phone _____

Mob. 0274474555

Name of person to contact regarding this application

Contact Person _____

Phone _____

(if different from 2.2)

Email. _____

(if different from 2.2)

2.3 Address for service (if different from above, i.e. consultant, lawyer, or other person handling application)

Contact Person _____

E-mail _____

Postal _____

Phone _____ Mob. _____

The Council will serve all formal documents electronically via the email address in 2.2 and 2.3 (if provided).

3 Site Details

3.1 Will the discharge occur in the Coastal Marine Area. Yes No

If you answered 'Yes' to the above, **before lodging this application** please contact consents Administration Staff at consents@trc.govt.nz to determine who you are required to seek comment from under the Marine and Coastal Area (Takutai Moana) Act 2011.

3.2 Name and address of owner or occupier at the site (if different from 2.1 and 2.2)

Land is owned by the STDC and DOC as per documents previously supplied to the TRC
the applicant has a DOC lease and right to operate

Type text here

Written approval of landowner(s) attached (See section 11) Yes No

3.3 Location of activity (Including: Street/road name, number, and locality)

SH45 Opunake Waiaua river bridge

3.4 Map Co-ordinates at point of discharge (either Longitude/Latitude or NZTM):

_____	Longitude	_____	Latitude	OR
1674400	E	5632077	N (NZTM)	

3.5 Legal description of property at site of activity (refer to land title or rates notice)

SECT 48 SUBN OPUNAKE

3.6 Assessment/Valuation number of property (refer to land title or rates notice)

1197025200

3.7 If the discharge is to water, name the river or stream that the discharge goes to or for discharges to land the name of the closest river or stream to the discharge site?

Lake Opunake

4 Location map

4.1 The application must include an aerial photograph or clear map showing the location of the proposed discharges.

An aerial photograph of the site can be obtained free of charge from Taranaki Regional Explorer; <https://maps.trc.govt.nz/LocalMapsGallery/>. Alternatively, contact the Consents Department at the Council and request an aerial photograph to be provided.

Aerial photograph (or map) included

Please make sure the following is shown on your aerial photograph or map:

- Discharge points
- Catchment area
- Property boundaries
- Local Roads
- Any other relevant features

5 Details of the Activity

5.1 If you have discussed this proposal with council staff, please give the person's name here:

Fed McLay

5.2 In your own words, briefly describe the activity you are undertaking and its purpose:

Water is diverted from the Waiaua River and discharged to Lake Opunake, where it is used for hydroelectric generation. For the majority of the year, this activity will comply with permitted activity rule 21 of the Regional Freshwater Plan for Taranaki. However, at times water is diverted which contains elevated concentrations of suspended sediments and/or is discoloured (e.g. due to tannins), associated with elevated flows in the Waiaua River. It is for this activity that a resource consent is required, as it is likely that this discoloured water is discharged to a clean lake, resulting in discoloration of the lake

5.3 Indicate the consent being applied for on this form:

[please complete separate application forms for each type of consent applied for]

- | | | | | |
|---------------------------------------|-----|-------------------------------------|----|--------------------------|
| A) Discharge of contaminants to land | Yes | <input type="checkbox"/> | No | <input type="checkbox"/> |
| B) Discharge of contaminants to water | Yes | <input checked="" type="checkbox"/> | No | <input type="checkbox"/> |

5.4 Describe the industry and/or process from which the discharge will occur, and its general nature [eg domestic sewage, wastewater]

The contaminants are sourced from the Waiaua River, and as such are naturally occurring (barring any pollution incidents upstream). They will mainly comprise of either suspended solids (sand and silt, with some gravel) and tannins. Suspended solids are typically highest on a rising flow in the river, while tannins are usually evident on a receding flow. Note that the station has no tangible control over the nature of the contaminants. Control is only maintained by manipulating the intake of water. When the river is in flood, the Waiaua is diverted away from the lake intake, this is controlled automatically by river level both rising and receding river levels

5.5 What is the general form of the discharge?

	Yes	No		Yes	No
Solid material	<input type="checkbox"/>	<input type="checkbox"/>	Liquids	<input type="checkbox"/>	<input type="checkbox"/>
Generally solid but will release contaminants	<input type="checkbox"/>	<input type="checkbox"/>	Liquids with contaminants in suspension or solution	<input checked="" type="checkbox"/>	<input type="checkbox"/>

5.6 Identify the potentially significant contaminants [or effects of contaminants] in the discharge

	Yes	No		Yes	No
Sediment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Phosphorus	<input type="checkbox"/>	<input type="checkbox"/>
Heat	<input type="checkbox"/>	<input type="checkbox"/>	BOD	<input type="checkbox"/>	<input type="checkbox"/>
Nitrogen	<input type="checkbox"/>	<input type="checkbox"/>	Hydrocarbons	<input type="checkbox"/>	<input type="checkbox"/>
Other contaminants detailed below	<input type="checkbox"/>	<input type="checkbox"/>	Metals	<input type="checkbox"/>	<input type="checkbox"/>

Type text here

Solids:

6.4 Detail the volume proposed to be discharged and the frequency of discharge

Liquids:

6.5 What is the proposed maximum rate of discharge _____ m³ per _____

6.6 How frequent is the discharge

Constant **Yes** **No**

If not constant state below:

hrs per day _____
days per week _____
other _____

6.7 Give full details of the method of discharge.

6.8 Give any other relevant details about the rate and frequency of discharge

7 Details of discharge to water

[please do not complete if discharge is to land]

7.1 Give full details of the source of the discharge and any treatment it will receive prior to discharge

The Waiaua Catchment is subject to significant movement of sediment due to erosion in the headwaters within Te Papakura o Taranaki. It includes significant volumes of sand which is easily entrained and carried into the station intake. Some settlement of sediment occurs within the canal (between the lake and intake) which can be returned to the river through the canal sluice gate. However not all sediment settles within the canal, and is carried through into Lake Opunake.
With regards to the tannins, no treatment is proposed. Tannins dissolve into the water as it flows through organic material (peat, fallen leaves, etc). Being dissolved makes treatment of this volume of water financially prohibitive.

Solids:

7.2 Detail the volume proposed to be discharged and the frequency of discharge.

The volume of sediment and tannins discharge to Opunake Lake is not quantifiable as their concentrations are dependant on the loadings within the river. However, it is proposed that the intake of water be managed so as to minimise the discharge of suspended sediment (but not tannins) to the lake.

Liquids:

7.3 What is the proposed maximum rate of discharge 3.9 m³ per second

7.4 How frequent is the discharge

Constant **Yes** **No**

If not constant state below:

hrs per day _____

days per week _____

other With the exception of managed gate closures

7.5 Give full details of the method of discharge.

The discharge is controlled at the river intake gates. Water freely flows into Lake
Opunake via the canal, with intergrated sand trap.

It is proposed that the discharge be managed so that abstraction/discharge during
high flows contaminated with suspended sediment is avoided.

This includes closing and opening the intake when the flow river is above a pre-determined river level
(e.g. 3x median flow). At times the rate of flow may increase faster than the control system can
respond as there is inherent time delays, so some leniency is required, but the issue of tannin stained
water happens when the river level drops and the gates atomatically open, the river water may be stained.

The general operation of the scheme tries to minimise the solid contaminats by regular flushing of the
gate 5 clearing out sand and silt before entering the intake canal

7.6 Give any other relevant details about the rate and frequency of discharge.

8 Assessment of Environmental Effects

An assessment of environmental effects [AEE] in accordance with schedule 4 of the Resource Management Act 1991 must be provided with the application. The AEE detail must correspond to the scale of the effects that the activity may have on the environment.

Completing the AEE section of this form will be adequate for most applications. However for activities with actual or potential effects that are significant, a separate comprehensive AEE report including specific investigations may be required.

Schedule 4 can be viewed at www.trc.govt.nz/resource-consent-application-forms

8.1 Consideration of alternative methods of discharge, including discharging to another receiving environment.

- A) No alternatives considered. This is the only feasible option. Explain below if appropriate; or
- B) Provide a description of alternatives considered and the reasons for the option chosen

There are no alternatives, as the scheme is reliant on the Waiaua River flow. However there is potential to manage the discharge, so as to reduce the volume of sediment carried into the lake.

8.2 If the application is to renew a consent, summarise the monitoring that has been undertaken and the environmental effects as identified by that monitoring.

Although this is for a new consent, the activity has occurred previously under the permitted activity rule. For much of the time, there are no discernible effects from the discharge. However, from time to time there has been discolouration caused when flood flow from the river enters the lake. This is the most obvious impact of the discharge when it is occurring. There is also aggradation of sediment in the lake, reducing the amount of lake available for boating. However, this can also result in a positive effect by providing a delta for waterfowl foraging. Birds that have been observed on this delta include mallards, shovellers, black swan, paradise shelduck, canadian geese, pied stilt, royal spoonbill and godwit. The aggradation of sediment represents a gradual impact, in that it takes a significant number of occurrences to cause an impact. However, it is likely that this is the most important effect from a stakeholder perspective.

Type text here
There is also potential for sediment to impact biological processes, such as macrophyte photosynthesis, zooplankton & fish feeding, phytoplankton production and benthic invertebrate production. However, the duration of the contaminated discharge is likely to be short due to the proposed management regime, and therefore unlikely to significantly impact on the biological communities. Sediment input into lakes is not an unusual phenomenon

OR

- New Consent/No monitoring data

9 Assessment of Part 2 Matters and Policy

An assessment of the activity against the matters set out in Part 2 of the RMA and against any relevant provisions of policy documents and regulations must be provided with the application. The assessment must be in sufficient detail to satisfy the purpose for which its required.

For most applications the brief assessment provided below will be adequate. However for activities with significant policy implications, or where a National Policy Statement is relevant, a specific more comprehensive assessment is likely to be required.

The proposal is consistent with Part 2 of the RMA (the focus of which is to promote sustainable management of natural resources). The Regional Freshwater Plan for Taranaki generally supports discharges to water or land if adverse effects such as those associated reduced water quality are avoided, remedied or mitigated. These requirements can be met by appropriate treatment and/or adopting the best practicable option to minimise effects.

- I will adopt the RMA assessment above; or
- I will attach an alternative assessment

10 Other Consents Required

10.1 What consents are required from other authorities for the proposed activity?

None

Consent Required	Authority	Applied for?	
_____	_____	Yes <input type="checkbox"/>	No <input type="checkbox"/>
_____	_____	Yes <input type="checkbox"/>	No <input type="checkbox"/>
_____	_____	Yes <input type="checkbox"/>	No <input type="checkbox"/>

10.2 What other consents are required from the Taranaki Regional Council for the proposed activity? A separate application form for each activity must be completed.

None

Consent Required	Applied for?	
As already applied for	Yes <input type="checkbox"/>	No <input type="checkbox"/>
_____	Yes <input type="checkbox"/>	No <input type="checkbox"/>
_____	Yes <input type="checkbox"/>	No <input type="checkbox"/>

12 Draft report and conditions

12.1 Do you wish to review and make comment on a draft report and recommendation *[including consent conditions]* before any consent is issued?

Yes No

If you answered 'Yes' please consider agreeing to a timeframe extension [See section 13 below.]

13 Processing Timeframes

The RMA specifies timeframes for processing resource consent applications, [for example 20 working days for a non-notified application], however these timeframes can be extended with the applicant's agreement.

13.1 Do you agree to the Taranaki Regional Council extending RMA consent processing timeframes?

- Yes, provided that I can continue to exercise my existing consent until processing of this application is completed *[renewal applications]*.
- Yes, provided that the extension is for the specific purpose of discussing and trying to agree on consent conditions.
- Yes, provided that the application process is completed before ____/____/____ *[enter date]*

14 Value of investment (renewal applications)

Please complete this section only if your application is to renew an existing consent

14.1 Provide an assessment of the value of your investment that is dependent on this consent.

- | | | | |
|-----------------------|--------------------------|--------------------------|--------------------------|
| < \$10,000 | <input type="checkbox"/> | \$10,000 to \$50,000 | <input type="checkbox"/> |
| \$50,000 to \$250,000 | <input type="checkbox"/> | \$250,000 to \$1,000,000 | <input type="checkbox"/> |
| \$1 M to \$5 M | <input type="checkbox"/> | \$5 M to \$50 M | <input type="checkbox"/> |
| >\$50 M | <input type="checkbox"/> | | |

15 Surrender of existing consent [renewal applications only]

Please note that your existing consent is to be surrendered on the granting of this application.

16 Fees and charges

16.1 Initial Deposit payment – All applications must have a deposit paid before processing of the application will begin.

Non-notified applications

Amount to be Paid \$ 1,408.75 (GST incl.) per application x _____ no. of applications lodged

= Total Amount Paid \$ _____ Payment date _____

Notified applications

Amount to be Paid \$ 8,050.00 (GST inclusive) per proposal

= Total Amount Paid \$ 8,050.00 Payment date _____

Note:

- 1) Assume your application is non-notified unless Council has informed you otherwise.
- 2) Purchase orders are not acceptable as payment for the deposit.
- 3) An invoice/receipt for the deposit will be issued shortly after payment has been received.

16.2 Payment method for initial deposit

- Cheque made payable to Taranaki Regional Council *(to be lodged with application documents)*
- Cash/Eftpos *(to be made at Taranaki Regional Council offices, 47 Cloten Rd, Stratford)*
- Credit card payment made via Online Services at <https://onlineservices.trc.govt.nz>
- Internet Banking – **please complete below, and enter all details on your internet banking payment to enable us to correctly identify your payment, otherwise processing of your application may be delayed.**

Payer Particulars:	C	O	N	S	E	N	T		D	E	P	
--------------------	---	---	---	---	---	---	---	--	---	---	---	--

Payer Reference:												
------------------	--	--	--	--	--	--	--	--	--	--	--	--

Enter the reference you have used for your internet banking payment above. We suggest using your company name or surname, or if you make multiple applications use the location (road name or river) where activity is occurring, or consent number if known.

Taranaki Regional Council Account Details for Internet Banking

Bank	Branch	Account No.	Suffix
0 2	0 7 5 6	0 0 4 0 5 5 5	0 0 2

Please note this is a separate account for consent deposits only. It is a different account number to where you may make other Council payments, such as annual monitoring fees, or plant purchases.

16.3 Invoicing details: (where to send the invoice for this consent application)

Applicant or Consultant

16.4 Is the Council required to quote a purchase order number on future invoices for this application?

Yes Order Number:
No

The deposit amount is required when an application is submitted and is an **initial deposit** towards the final cost of processing the application. Processing of the application will begin when the deposit is received. Purchase orders are not acceptable as payment for the deposit and we are unable to issue you an invoice/receipt until payment has been received. The final cost of processing is based on actual and reasonable staff time and disbursements spent processing the application. The final cost (less the deposit) is invoiced at the end of the application process, but there may also be interim invoices during the process.

Where there is more than one application required for the same proposal, an initial deposit is required for each application (non notified applications).

If the consent is notified, a larger deposit will be required. We will advise if the application is to be notified.

Withdrawn applications will incur the cost for work done up to the date of withdrawal.

Applications returned due to inadequate information will incur the cost of work done in receiving the application, assessing the information and returning the application.

All collection costs incurred in the recovery of a debt will be added to the invoice amount due. Overdue invoices will incur an interest charge of 12% per annum.

Details of Council's charging policy are in its 2015/2025 Long-Term Plan.
(www.trc.govt.nz/council/plans-and-reports/strategy-policy-and-plans)

In accordance with statutory requirements a copy of this application may be sent to iwi for their information.

Official information

The information you provide with your application is official information. It is used to help process your resource consent application and assess the impact of your activity on the environment and other people.

Your information is held and administered by the Taranaki Regional Council in accordance with the Local Government Official Information and Meetings Act 1987 and the Privacy Act 1993. This means that your information may be disclosed to other people who request it in accordance with the terms of these Acts. It is therefore important you let us know if your application includes trade secrets, commercially sensitive material or any other information you consider should not be disclosed.

Please lodge the application by signing the front page and sending the completed form to:

Mail: Taranaki Regional Council, Private Bag 713, Stratford 4352.
Attention: Consents Administration Officer

Email: consents@trc.govt.nz (if application is emailed please do not mail a hard copy unless requested to do so by the consents department.)