# Oaonui Water Supply Limited Monitoring Programme Annual Report 2016-2017

Technical Report 2017-18

Taranaki Regional Council

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# **Executive summary**

The Oaonui Water Supply Limited (OWSL) operates a rural water supply scheme located on Arawhata Road, Oaonui in the Oaonui catchment. The report for the period July 2016 to June 2017 describes the monitoring programme implemented by the Taranaki Regional Council (the Council) to assess OWSL's environmental and consent compliance performance during the period under review. The report also details the results of the monitoring undertaken and assesses the environmental effects of the Company's activities.

OWSL holds three resource consents, which include a total of 26 conditions setting out the requirements that OWSL must satisfy. OWSL holds one consent to allow it to take and use water, one consent to maintain a weir, and one consent to discharge contaminants for intake sluicing.

# During the monitoring period OWSL demonstrated an overall high level of environmental performance.

The Council's monitoring programme for the year under review included one inspection, and a review of water abstraction data.

The monitoring showed that abstraction volumes were complied with for over 99% of the time over the monitoring period and that no adverse effects were noted during inspection.

During the year, the OWSL demonstrated a high level of environmental performance and good level of administrative performance with the resource consents.

For reference, in the 2016-2017 year, consent holders were found to achieve a high level of environmental performance and compliance for 74% of the consents monitored through the Taranaki tailored monitoring programmes, while for another 21% of the consents, a good level of environmental performance and compliance was achieved.

In terms of overall environmental and compliance performance by the consent holder over the last several years, this report shows that the consent holder's performance remains at the same level in the year under review.

This report includes recommendations for the 2017-2018 year.

# **Table of contents**

				Page		
1.	Introdu	ction		1		
	1.1.	Complia	ance monitoring programme reports and the Resource Management Act 1991	1		
		1.1.1.	Introduction	1		
		1.1.2.	Structure of this report	1		
		1.1.3.	The Resource Management Act 1991 and monitoring	1		
		1.1.4.	Evaluation of environmental and administrative performance	2		
	1.2.	Process description				
	1.3.	Resource consents				
		1.3.1.	Water abstraction permit	5		
		1.3.2.	Water discharge permit	5		
		1.3.3.	Land use permits	6		
	1.4. Monitoring programme			7		
		1.4.1.	Introduction	7		
		1.4.2.	Programme liaison and management	7		
		1.4.3.	Site inspections	7		
		1.4.4.	Abstraction data review	7		
		1.4.5.	Fish surveys	7		
2.	Results			8		
۷.	2.1.	Inspecti	ons	8		
	2.2.	•	tion data	8		
	2.3.	Investig	ations, interventions, and incidents	8		
3.	Discuss	ion		9		
	3.1.		on of site performance	9		
	3.2.		mental effects of exercise of consents	9		
	3.3.	Evaluati	on of performance	9		
	3.5.	Recomr	nendation from the 2015-2016 Annual Report	13		
	3.6.	Alteration	ons to monitoring programmes for 2017-2018	13		
4.	Recomi	ommendation				
Gloss	ary of co	mmon te	rms and abbreviations	15		
Biblic	graphy a	nd refere	nces	16		
Appe	ndix I	Resourc	e consents held by OWSL			

# List of tables

Table 1	Summary of performance for Consent 0231-3 (to 1 May 2017)	9
Table 2	Summary of performance for Consent 0231-4 (from 1 May 2017)	10
Table 3	Summary of performance for Consent 5453-1 (to 1 May 2017)	11
Table 4	Summary of performance for Consent 5453-2 (from 1 May 2017)	12
Table 5	Summary of performance for Consent 10314-1 (from 1 May 2017)	12
	List of figures	
Figure 1	OWSL's water service area	4
Figure 2	OWLS's water supply plant	4

# 1. Introduction

# 1.1. Compliance monitoring programme reports and the Resource Management Act 1991

### 1.1.1. Introduction

This report is for the period July 2016 to June 2017 by the Council describing the monitoring programme associated with resource consents held by the Company. The Company operates rural water supply scheme situated on Arawhata Road, Oaonui.

This report covers the results and findings of the monitoring programme implemented by the Council in respect of the consents held by the Company that relate to abstractions and discharges of water in the Taungatara catchment. This is the first dedicated annual report to be prepared by the Council to cover OWSL's water abstractions and structures. Previously OWSL compliance monitoring was reported in the joint South Taranaki Water Supplies report.

# 1.1.2. Structure of this report

**Section 1** of this report is a background section. It sets out general information about:

- · consent compliance monitoring under the RMA and the Council's obligations;
- the Council's approach to monitoring sites though annual programmes;
- the resource consents held by the OWSL in the Oaonui catchment;
- the nature of the monitoring programme in place for the period under review; and
- a description of the activities and operations conducted in the Company's site/catchment.

**Section 2** presents the results of monitoring during the period under review, including scientific and technical data.

Section 3 discusses the results, their interpretations, and their significance for the environment.

Section 4 presents recommendations to be implemented in the 2017-2018 monitoring year.

A glossary of common abbreviations and scientific terms, and a bibliography, are presented at the end of the report.

# 1.1.3. The Resource Management Act 1991 and monitoring

The RMA primarily addresses environmental 'effects' which are defined as positive or adverse, temporary or permanent, past, present or future, or cumulative. Effects may arise in relation to:

- a. the neighbourhood or the wider community around an activity, and may include cultural and social-economic effects;
- b. physical effects on the locality, including landscape, amenity and visual effects;
- c. ecosystems, including effects on plants, animals, or habitats, whether aquatic or terrestrial;
- d. natural and physical resources having special significance (for example recreational, cultural, or aesthetic); and
- e. risks to the neighbourhood or environment.

In drafting and reviewing conditions on discharge permits, and in implementing monitoring programmes, the Council is recognising the comprehensive meaning of 'effects' inasmuch as is appropriate for each activity. Monitoring programmes are not only based on existing permit conditions, but also on the

obligations of the RMA to assess the effects of the exercise of consents. In accordance with Section 35 of the RMA, the Council undertakes compliance monitoring for consents and rules in regional plans, and maintains an overview of the performance of resource users and consent holders. Compliance monitoring, including both activity and impact monitoring, enables the Council to continually re-evaluate its approach and that of consent holders to resource management and, ultimately, through the refinement of methods and considered responsible resource utilisation, to move closer to achieving sustainable development of the region's resources.

# 1.1.4. Evaluation of environmental and administrative performance

Besides discussing the various details of the performance and extent of compliance by the Company, this report also assigns them a rating for their environmental and administrative performance during the period under review.

Environmental performance is concerned with <u>actual or likely effects</u> on the receiving environment from the activities during the monitoring year. Administrative performance is concerned with the Company's approach to demonstrating consent compliance <u>in site operations and management</u> including the timely provision of information to Council (such as contingency plans and water take data) in accordance with consent conditions.

Events that were beyond the control of the consent holder <u>and</u> unforeseeable (that is a defence under the provisions of the RMA can be established) may be excluded with regard to the performance rating applied. For example loss of data due to a flood destroying deployed field equipment.

The categories used by the Council for this monitoring period, and their interpretation, are as follows:

#### **Environmental Performance**

**High:** No or inconsequential (short-term duration, less than minor in severity) breaches of consent or regional plan parameters resulting from the activity; no adverse effects of significance noted or likely in the receiving environment. The Council did not record any verified unauthorised incidents involving significant environmental impacts and was not obliged to issue any abatement notices or infringement notices in relation to such impacts.

**Good:** Likely or actual adverse effects of activities on the receiving environment were negligible or minor at most. There were some such issues noted during monitoring, from self reports, or in response to unauthorised incident reports, but these items were not critical, and follow-up inspections showed they have been dealt with. These minor issues were resolved positively, co-operatively, and quickly. The Council was not obliged to issue any abatement notices or infringement notices in relation to the minor non-compliant effects; however abatement notices may have been issued to mitigate an identified potential for an environmental effect to occur.

For example:

- High suspended solid values recorded in discharge samples, however the discharge was to land or to receiving waters that were in high flow at the time;
- Strong odour beyond boundary but no residential properties or other recipient nearby.

**Improvement required**: Likely or actual adverse effects of activities on the receiving environment were more than minor, but not substantial. There were some issues noted during monitoring, from self reports, or in response to unauthorised incident reports. Cumulative adverse effects of a persistent minor non-compliant activity could elevate a minor issue to this level. Abatement notices and infringement notices may have been issued in respect of effects.

**Poor:** Likely or actual adverse effects of activities on the receiving environment were significant. There were some items noted during monitoring, from self reports, or in response to unauthorised incident reports. Cumulative adverse effects of a persistent moderate non-compliant activity could elevate an 'improvement required' issue to this level. Typically there were grounds for either a prosecution or an infringement notice in respect of effects.

# Administrative performance

**High:** The administrative requirements of the resource consents were met, or any failure to do this had trivial consequences and was addressed promptly and co-operatively.

**Good:** Perhaps some administrative requirements of the resource consents were not met at a particular time, however this was addressed without repeated interventions from the Council staff. Alternatively adequate reason was provided for matters such as the no or late provision of information, interpretation of 'best practical option' for avoiding potential effects, etc.

**Improvement required:** Repeated interventions to meet the administrative requirements of the resource consents were made by Council staff. These matters took some time to resolve, or remained unresolved at the end of the period under review. The Council may have issued an abatement notice to attain compliance.

**Poor:** Material failings to meet the administrative requirements of the resource consents. Significant intervention by the Council was required. Typically there were grounds for an infringement notice.

For reference, in the 2014-2015 year, 75% of consent holders in Taranaki monitored through tailored compliance monitoring programmes achieved a high level of

For reference, in the 2016-2017 year, consent holders were found to achieve a high level of environmental performance and compliance for 74% of the consents monitored through the Taranaki tailored monitoring programmes, while for another 21% of the consents, a good level of environmental performance and compliance was achieved.

# 1.2. Process description

Water is abstracted from the Oaonui Stream via gravity fed intake situated behind a large weir. The water then flows via a settling pond to a small treatment shed where chlorine is added prior to being distributed to rural customers. Water is also suppled to the Maui production station for fire fighting purposes. Once a day the intakes are sluiced to clear way accumulated silt.

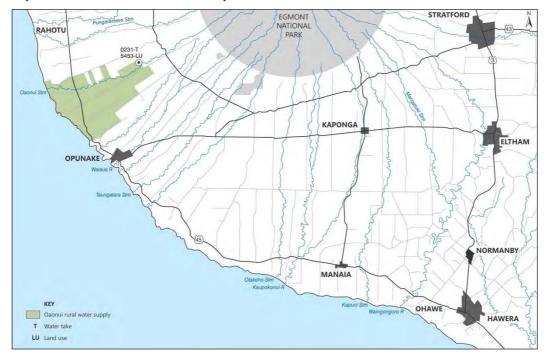


Figure 1 OWSL's water service area

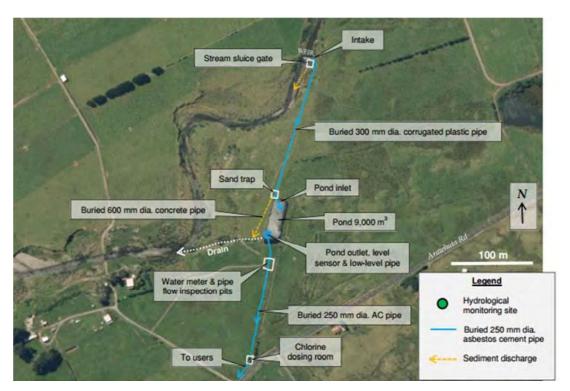


Figure 2 OWLS's water supply plant

### 1.3. Resource consents

# 1.3.1. Water abstraction permit

Section 14 of the RMA stipulates that no person may take, use, dam or divert any water, unless the activity is expressly allowed for by a resource consent or a rule in a regional plan, or it falls within some particular categories set out in Section 14.

OWSL held water permit **0231-3** to take and use water from the Oaonui Stream for a rural community water supply scheme and the Maui Production Station

This permit was issued by the Council on 22 November 2000 under Section 87(d) of the RMA and was due to expire on 1 June 2018.

It has 6 special conditions.

Special conditions one and two dealt with the rate and volume of abstraction.

Special conditions three required the consent holder provide water efficiency reports.

Special conditions four required payments be made to the Taranaki Tree Trust.

Special conditions five and six dealt with cancellation and review of the consent.

The permit is attached to this report in Appendix I.

During the monitoring OSWL applied to renew this consent early and permit **0231-4** to take and use water from the Oaonui Stream for a rural community water supply scheme and the Maui Production Station. This permit was issued by the Council on 1 May 2017 under Section 87(d) of the RMA and due to expire on 1 June 2036.

It contains sixteen special conditions.

Special conditions one and two deal with water usage and the rates/volumes of abstraction permitted.

Special conditions three to eight deal with measuring, recording and transmission of abstraction and stream flow records.

Special conditions nine to eleven deal with water usage during low flow period periods.

Special condition twelve requires annual payments towards mitigation.

Special condition thirteen requires notification of certain types of water usage at the Maui production station.

Special condition fifteen requires the consent holder submit a water efficiency report.

Special condition sixteen is a review condition.

# 1.3.2. Water discharge permit

Section 15(1)(a) of the RMA stipulates that no person may discharge any contaminant into water, unless the activity is expressly allowed for by a resource consent or a rule in a regional plan, or by national regulations.

The Company holds water discharge permit **10314-1** to discharge contaminants (from sluicing the intake) into the Oaonui Stream

This permit was issued by the Council on 1 May 2017 under Section 87(e) of the RMA. It is due to expire on 1 June 2036.

It contains six special conditions.

Special condition one requires that best practice be adopted.

Special condition two sets out effects that the exercise of this consent must not give rise to.

Special condition three prohibits sluicing under certain low flow conditions.

Special condition four deals with management of the sluice gate.

Special condition five requires ecological investigation into effects of OSWL's activities.

Special condition five is review condition.

# 1.3.3. Land use permits

Section 13(1)(a) of the RMA stipulates that no person may in relation to the bed of any lake or river use, erect, reconstruct, place, alter, extend, remove, or demolish any structure or part of any structure in, on, under, or over the bed, unless the activity is expressly allowed for by a resource consent, a rule in a regional plan, or by national regulations.

The Company holds land use permit **5453-1** to erect, place, use and maintain a water intake structure on the bed of the Oaonui Stream for water abstraction purposes. This permit was issued by the Council on 1 March 1999 under Section 87(a) of the RMA. It is due to expire on 1 June 2018.

Special condition one requires that the Council be notified prior to any maintenance work.

Special condition two requires the weir be operated according to information supplied in the application

Special condition three to five deals with maintenance works.

Special conditions six and seven deals with fish passage and monitoring of fish populations

Special condition eight deals with removal of the weir once it is no longer needed.

Special condition nine is a review condition.

The permit is attached to this report in Appendix I.

During the monitoring OSWL applied to renew consent **5453-1** and permit **5453-2** to erect, place, use and maintain a water intake structure on the bed of the Oaonui Stream for water abstraction purposes was issued by the Council on 1 May 2017 under Section 87(a) of the RMA. It is due to expire on 1 June 2036.

It has four special conditions.

Special condition one requires that the weir be maintained in sound condition.

Special condition two requires that any scour or erosion caused by the weir be repaired.

Special condition three deals with fish passage.

Special condition four is review condition.

This summary of consent conditions may not reflect the full requirements of each condition. The consent conditions in full can be found in the resource consent(s) which is/are appended to this report.

# 1.4. Monitoring programme

### 1.4.1. Introduction

Section 35 of the RMA sets obligations upon the Council to gather information, monitor and conduct research on the exercise of resource consents within the Taranaki region. The Council is also required to assess the effects arising from the exercising of these consents and report upon them.

The Council may therefore make and record measurements of physical and chemical parameters, take samples for analysis, carry out surveys and inspections, conduct investigations and seek information from consent holders.

The monitoring programme for the OWSL site consisted of four primary components.

# 1.4.2. Programme liaison and management

There is generally a significant investment of time and resources by the Council in:

- ongoing liaison with resource consent holders over consent conditions and their interpretation and application;
- in discussion over monitoring requirements;
- preparation for any consent reviews, renewals or new consent applications;
- advice on the Council's environmental management strategies and content of regional plans; and
- consultation on associated matters.

# 1.4.3. Site inspections

The OWSL site was visited on one occasion during the monitoring period. With regard to consents for the abstraction of or discharge to water, the main points of interest were plant processes with potential or actual discharges to receiving watercourses, including contaminated stormwater and process waters.. Sources of data being collected by the Company were identified and accessed, so that performance in respect of operation, internal monitoring, and supervision could be reviewed by the Council.

# 1.4.4. Abstraction data review

Daily abstraction volume data was supplied by OWSL on a monthly basis which was reviewed by Council staff.

# 1.4.5. Fish surveys

Fish surveys are carried out every three years to assess the effectiveness of the fish pass on the weir. The next survey is due 2018-2019.

# 2. Results

# 2.1. Inspections

### 26 April 2017

A site visit was made to conduct an annual inspection. No issues were noted with the weir and intake. It was outlined that an intake screen had been constructed was waiting to be installed. Significant works had been undertaken on the headworks, the settling pond had been lined and covered and it was outlined that during this operation water take measurements could not be taken for 8 days. Whilst this was a technical breach of the existing consent in regard to keeping records, it is noted that in the renewed consent there are also conditions requiring notification of such events. The consent holder was advised that future unilateral decisions to stop recording abstraction data would result in enforcement action.

Further discussions were held in regard to other requirements of the renewed and new consents.

### 2.2. Abstraction data

During the monitoring period OWSL supplied daily volumes of water taken and this was reviewed by Council staff. It was found that the data set provided was >99% complete and that found that abstraction volume limits were complied with for >99% of the time.

# 2.3. Investigations, interventions, and incidents

The monitoring programme for the year was based on what was considered to be an appropriate level of monitoring, review of data, and liaison OWSL. During the year matters may arise which require additional activity by the Council, for example provision of advice and information, or investigation of potential or actual courses of non-compliance or failure to maintain good practices. A pro-active approach that in the first instance avoids issues occurring is favoured.

The Council operates and maintains a register of all complaints or reported and discovered excursions from acceptable limits and practices, including non-compliance with consents, which may damage the environment. The incident register includes events where the Company concerned has itself notified the Council. The register contains details of any investigation and corrective action taken.

Complaints may be alleged to be associated with a particular site. If there is potentially an issue of legal liability, the Council must be able to prove by investigation that the identified company is indeed the source of the incident (or that the allegation cannot be proven).

In the 2016-2017 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with the Company's conditions in resource consents or provisions in Regional Plans.

# 3. Discussion

# 3.1. Discussion of site performance

During the period under review no significant issues were noted. It has been identified that the manner in which the intake was being sluiced may be causing potential effects on the stream by depriving it of flow as the weir re-filled. This however has been addressed as the consent opted for early renewal of all consents, as well as applying for a discharge consent which regulates the sluicing. There was brief period where OWSL disconnected their flow meter to undertake works which resulted in lost abstraction data.

# 3.2. Environmental effects of exercise of consents

No effects were noted during inspection and water abstraction volumes were complied with for over 99% of the monitoring period. The fish pass was found to in be good order and during the period under review a fish screen was fitted to the intake.

# 3.3. Evaluation of performance

A tabular summary of the consent holder's compliance record for the year under review is set out in Tables 1 to 5.

Table 1 Summary of performance for Consent 0231-3 (to 1 May 2017)

Purpose: To take and use water from the Oaonui Stream for a rural community water supply scheme and the Maui Production Station			
Condition requirement Means of monitoring during period under review		Compliance achieved?	
1.	Limit on abstraction volume and rate	Review of abstraction data provided	>99% compliance
2.	Recording of abstraction data and provision of records to Council	Data received- only daily volumes required	>99% data supplied
3.	Residual flow requirements	No low flow period identified	N/A
4.	Promotion of water conservation and reporting	Reports received	Yes
5.	Mitigate effects by financial contribution	Payments received	Yes
6.	Provision for change or cancellation	N/A	
Overall assessment of consent compliance and environmental performance in respect of this consent			High
Overall assessment of administrative performance in respect of this consent  Good			Good

N/A = not applicable

Table 2 Summary of performance for Consent 0231-4 (from 1 May 2017)

Purpose: To take and use water from the Oaonui Stream for a rural community water supply scheme and the Maui Production Station Condition requirement Means of monitoring during period Compliance achieved? under review Permitted uses of water Inspection/liaison with consent holder Yes Permitted rates and volume of abstraction. Data received- only daily volumes 100% of data required until December 2017 supplied Installation of a meter and logger. Data received and meter inspected. Yes 3. Certfication of equipment National environmental standards Yes verification in place No notification received while condition 5. Notifcation of equipment failure N/A in force. 6. Accessibility of metering equipment Inspection Yes N/A Measurement of stream flow Not required until December 2017 Provision of records Data received Yes Restriction of water use during low flows No low flow period identified N/A 10. Restriction of water use at Maui Production No low flow period identified N/A station during low flow periods 11. Provision of report describing requiring Not required until Dec 2017 N/A water to ensure human and 12. Financial contributions of \$2200 per year Payment received Yes 13. Notification of hydrotesting at Maui No notification received N/A production station. 14. Intake to adequately screen to prevent Inspection Yes entrainment of fish. 15. Provision of an efficiency report Not required until 31 August 2018 N/A 16. Review condition Next review June 2019 N/A Overall assessment of consent compliance and environmental performance in respect of this High consent

High

Overall assessment of administrative performance in respect of this consent

Table 3 Summary of performance for Consent 5453-1 (to 1 May 2017)

Purpose: To take and use water from the Oaonui Stream for a rural community water supply scheme and the Maui Production Station

Co	ndition requirement	Means of monitoring during period under review	Compliance achieved?
1.	Notification of Council prior to construction and maintenance works	No maintenance in period under review	N/A
2.	Construction and maintenance to be in accordance application	No maintenance in period under review	N/A
3.	Adoption of best practicable option to minimise adverse effects on water quality	No maintenance in period under review	N/A
4.	Minimise riverbed disturbance and reinstate areas disturbed	No maintenance in period under review	N/A
5.	Major maintenance to occur between 1 November and 30 April	No maintenance in period under review	N/A
6.	No obstruction of fish passage	Annual Inspection and triennial fish survey (next scheduled 2018-2019 period)	Yes
7.	Monitoring and reporting of adequacy of fish passage	Fish surveys scheduled for once every three years (next scheduled 2018-2019 period)	Yes
8.	Structure to be removed when no longer required and area reinstated	Structure in use	N/A
9.	Review provision	No further option for review prior to expiry	N/A
	erall assessment of consent compliance ar s consent	nd environmental performance in respect of	High
Ov	erall assessment of administrative perform	nance in respect of this consent	High

Table 4 Summary of performance for Consent 5453-2 (from 1 May 2017)

Purpose: To use and maintain a weir and water intake structure on the bed of the Oaonui Stream, and to dam water, for water supply purposes

Condition requirement		Means of monitoring during period under review	Compliance achieved?	
1.	Maintain weir to be fit for purpose	Inspection	Yes	
2.	Repair erosion or scour caused by weir	Inspection	Yes	
3.	Provide fish passage	Inspection and fish surveys	Yes	
4.	4. Review provision Next review June 2019		N/A	
Overall assessment of consent compliance and environmental performance in respect of this consent			High	
Ov	Overall assessment of administrative performance in respect of this consent  High			

Table 5 Summary of performance for Consent 10314-1 (from 1 May 2017)

Purpose: To discharge water and contaminants into the Oaonui Stream from sluicing a weir				
Condition requirement		Means of monitoring during period under review	Compliance achieved?	
1.	Adopt best practice	Inspection/liaison with consent holder	Yes	
2.	Effects on receiving environment	Inspection	Not assessed this period	
3.	Provide report on effects on ecology	Report not due until June 2020	N/A	
4.	4. Review provision Next review June 2019		N/A	
	Overall assessment of consent compliance and environmental performance in respect of this consent			
Ov	Overall assessment of administrative performance in respect of this consent  High			

During the year, the Company demonstrated a high level of environmental and good level of administrative performance with the resource consents as defined in Section 1.1.4.

# 3.5. Recommendation from the 2015-2016 Annual Report

In the 2015-2016 South Taranaki Water Supplies Annual Report (which covered OWSL activities), it was recommended:

THAT for 2016-2017 the level of monitoring for the South Taranaki Water Supplies consent holders
remains similar to that of 2015-2016. It is also recommended that whilst the level of monitoring
remains the same, that the combined programme be disbanded and each consent holder be
monitored and reported on separately.

This recommendation was implemented in full.

# 3.6. Alterations to monitoring programmes for 2017-2018

In designing and implementing the monitoring programmes for air/water discharges in the region, the Council has taken into account:

- the extent of information made available by previous authorities;
- its relevance under the RMA;
- its obligations to monitor emissions/discharges and effects under the RMA; and
- to report to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki emitting to the atmosphere/discharging to the environment.

It is proposed that for 2017-2018 that monitoring programme for the OWSL be amended to address new requirements set out in the renewed consents.

# 4. Recommendation

1. THAT for 2017-2018 that monitoring programme for the OWSL be amended to suit new requirements set out by the renewed consents.

# Glossary of common terms and abbreviations

The following abbreviations and terms may be used within this report:

Biomonitoring Assessing the health of the environment using aquatic organisms.

Fresh Elevated flow in a stream, such as after heavy rainfall.

g/m<sup>3</sup> Grams per cubic metre, and equivalent to milligrams per litre (mg/L). In water, this is

also equivalent to parts per million (ppm), but the same does not apply to gaseous

mixtures.

Incident An event that is alleged or is found to have occurred that may have actual or

potential environmental consequences or may involve non-compliance with a consent or rule in a regional plan. Registration of an incident by the Council does

not automatically mean such an outcome had actually occurred.

Intervention Action/s taken by Council to instruct or direct actions be taken to avoid or reduce

the likelihood of an incident occurring.

Investigation Action taken by Council to establish what were the circumstances/events

surrounding an incident including any allegations of an incident.

Incident Register The Incident Register contains a list of events recorded by the Council on the basis

that they may have the potential or actual environmental consequences that may

represent a breach of a consent or provision in a Regional Plan.

L/s Litres per second.

Mixing zone The zone below a discharge point where the discharge is not fully mixed with the

receiving environment. For a stream, conventionally taken as a length equivalent to

7 times the width of the stream at the discharge point.

Physicochemical Measurement of both physical properties (e.g. temperature, clarity, density) and

chemical determinants (e.g. metals and nutrients) to characterise the state of an

environment.

Resource consent Refer Section 87 of the RMA. Resource consents include land use consents (refer

Sections 9 and 13 of the RMA), coastal permits (Sections 12, 14 and 15), water

permits (Section 14) and discharge permits (Section 15).

RMA Resource Management Act 1991 and including all subsequent amendments.

SS Suspended solids.

# Bibliography and references

- Of previous monitoring reports and any other relevant documents
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# Appendix I

# Resource consents held by OWSL

(For a copy of the signed resource consent please contact the TRC Consents department)

# Water Permit Pursuant to the Resource Management Act 1991 a resource consent is hereby granted by the Taranaki Regional Council

Name of Oaonui Water Supply Limited

Consent Holder: PO Box 3157

New Plymouth 4347

**Decision Date** 

(Change):

17 November 2015

Commencement Date

(Change):

17 November 2015

# **Conditions of Consent**

Consent Granted: To take and use water from the Oaonui Stream for a rural

community water supply scheme and the Maui Production

Station

Expiry Date: 1 June 2018

Site Location: Arawhata Road, Oaonui

Legal Description: Ngatitara 29 Blk VII Opunake SD (Site of take)

Grid Reference (NZTM) 1676540E-5640940N

Catchment: Oaonui

For General, Standard and Special conditions pertaining to this consent please see reverse side of this document

#### **General condition**

a. The consent holder shall pay to the Taranaki Regional Council all the administration, monitoring and supervision costs of this consent, fixed in accordance with section 36 of the Resource Management Act 1991.

# **Special conditions**

- 1. The volume of water extracted shall not exceed:
  - a) 4000 cubic metres per day until 30 April 2016; and
  - b) 3500 cubic metres per day after 30 April 2016;

at a rate not exceeding 50 litres per second.

- 2. The resource consent holder shall maintain, to the satisfaction of the Chief Executive, Taranaki Regional Council, a measuring device capable of accurately recording daily rates of abstraction and shall measure, record and make such records available to the Chief Executive, Taranaki Regional Council, upon request.
- 3. When the flow in the Oaonui Stream, measured immediately below the intake point, is less than 152 litres/second, the taking of water shall be restricted to the minimum amount necessary to maintain the health of people and animals (i.e. garden watering and other non-essential uses are prohibited).
- 4. The resource consent holder shall promote the efficient use of water and undertake a leak detection and repair programme throughout the term of the consent for the Oaonui Rural Water Supply Scheme and report on this programme by 31 May 2001, 2002, 2003, 2006, 2012 to the Chief Executive, Taranaki Regional Council.
- 5. The consent holder shall mitigate the environmental effects of the taking by making annual payments of \$1000 (plus GST) to the Taranaki Regional Council as a financial contribution. The amount shall be adjusted annually according to the consumer price index, or similar index, to account for the effects of inflation.
- 6. The resource consent holder may apply to the Taranaki Regional Council for a change or cancellation of the conditions of this resource consent, in accordance with section 127(1)(a) of the Resource Management Act 1991, to take into account operational requirements or the results of monitoring.

For and on behalf of

Signed at Stratford on 17 November 2015

Taranaki Regional Council				
A D McLay				
Director - Resource Management				

# Water Permit Pursuant to the Resource Management Act 1991 a resource consent is hereby granted by the Taranaki Regional Council

Name of Oaonui Water Supply Limited

Consent Holder: PO Box 3157

New Plymouth 4347

Decision Date: 5 April 2017

Commencement Date: 1 May 2017

# **Conditions of Consent**

Consent Granted: To take and use water from the Oaonui Stream for a rural

community water supply scheme including the Maui

**Production Station** 

Expiry Date: 1 June 2036

Review Date(s): June 2019 and 3-yearly intervals thereafter

Site Location: Arawhata Road, Oaonui

Grid Reference (NZTM) 1676831E-5641435N

Catchment: Oaonui

For General, Standard and Special conditions pertaining to this consent please see reverse side of this document

#### **General condition**

a. The consent holder shall pay to the Taranaki Regional Council all the administration, monitoring and supervision costs of this consent, fixed in accordance with section 36 of the Resource Management Act 1991.

# **Special conditions**

- 1. This consent authorises taking water only for the purposes of providing:
  - (a) a general supply for domestic and farm use within the scheme area;
  - (b) water for general domestic uses and firefighting training at the Maui Production Station; and
  - (c) water for testing of bunds and tanks at the Maui Production Station.
- 2. The rate of taking shall not exceed 50 litres per second, and the volume taken in any 7 day period ending at midnight (New Zealand Standard Time) shall not exceed 28,000 cubic metres.
- 3. Before exercising this consent the consent holder shall install, and thereafter maintain a water meter and a datalogger at the site of taking (or a nearby site in accordance with Regulation 10 of the *Resource Management (Measurement and Reporting of Water Takes) Regulations 2010.* The water meter and datalogger shall be tamper-proof and shall measure and record the rate and volume of water taken to an accuracy of ± 5%. Records of the date, the time and the rate and volume of water taken at intervals not exceeding 15 minutes, shall be made available to the Chief Executive, Taranaki Regional Council at all reasonable times.

Note: Water meters and dataloggers must be installed, and regularly maintained, in accordance with manufacturer's specifications in order to ensure that they meet the required accuracy. Even with proper maintenance water meters and dataloggers have a limited lifespan.

- 4. The consent holder shall provide the Chief Executive, Taranaki Regional Council with a document from a suitably qualified person certifying that water measuring and recording equipment required by the conditions of this consent ('the equipment'):
  - (a) has been installed and/or maintained in accordance with the manufacturer's specifications; and/or
  - (b) has been tested and shown to be operating to an accuracy of  $\pm 5\%$ .

The documentation shall be provided:

- (i) within 30 days of the installation of a water meter or datalogger;
- (ii) at other times when reasonable notice is given and the Chief Executive, Taranaki Regional Council has reasonable evidence that the equipment may not be functioning as required by this consent; and
- (iii) no less frequently than once every five years.

- 5. If any measuring or recording equipment breaks down, or for any reason is not operational, the consent holder shall advise the Chief Executive, Taranaki Regional Council immediately. Any repairs or maintenance to this equipment must be undertaken by a suitably qualified person and a maintenance report provided to the Chief Executive, Taranaki Regional Council within 30 days of the work occurring.
- 6. Any water meter or datalogger shall be accessible to Taranaki Regional Council officers at all reasonable times for inspection and/or data retrieval. In addition the data logger shall be designed and installed so that Taranaki Regional Council officers can readily verify that it is accurately recording the required information.
- 7. From 1 December 2017, for flows less than 500 litres per second, the consent holder shall measure and record the flow in the Oaonui Stream at the take site at intervals not exceeding 15 minutes to an accuracy of +10%.
- 8. The records of water taken (condition 3) and of the stream flow (condition 7) shall:
  - (a) be in a format that, in the opinion of the Chief Executive, Taranaki Regional Council, is suitable for auditing;
  - (b) specifically record the water taken as 'zero' when no water is taken; and
  - (c) from 1 December 2017, be transmitted directly to the Taranaki Regional Council's computer system, within 2 hours of being recorded.
- 9. When the flow in the Oaonui Stream, measured immediately downstream of the intake point, has at any time on each of the three previous days been less than 151 litres per second, the taking of water shall be restricted to the minimum amount necessary to maintain the health and safety of people and animals (i.e. garden watering and other non-essential uses are prohibited).
- 10. No water shall be used for testing bunds or product storage tanks at the Maui Production Station when the flow in the Oaonui Stream, measured immediately downstream of the intake, has at any time on each of the three previous days been less than 151 litres per second.
- 11. Before 1 December 2017 the consent holder shall provide a report to the Chief Executive, Taranaki Regional Council that:
  - (a) identifies uses of water that are necessary to maintain the health and safety of people and animals; and
  - (b) details methods that the consent holder will use to ensure that only those uses identified in condition 11(a) will occur when the flow immediately downstream of the intake is less than  $151 \, \text{L/s}$ .

The consent holder shall also provide a copy of this report to Te Kahui o Taranaki Trust and to Fish and Game.

- 12. The consent holder shall mitigate or offset the environmental effects of the take by making annual payments of \$2200 (plus GST) to the Taranaki Regional Council as a financial contribution for the purpose of funding environmental enhancement projects. The environmental enhancement projects are, as first priority, to be in the Oaonui Stream catchment, and would include: enhancing, fencing and protection of wetlands, small streams and habitats of indigenous species. The amount to be paid shall be adjusted annually according to the consumer price index, or similar, to account for the effects of inflation, and be made no later than 1 September each year.
- 13. The consent holder shall notify the Taranaki Regional Council when the Maui Production station is undertaking testing on vessels and bunds. Notification shall include the consent number and shall detail the amount of water needed, type of test and test date and be emailed to worknotification@trc.govt.nz.
- 14. The consent holder shall ensure that the intake at the weir is designed to avoid fish entering the intake or being trapped against the screen.
- 15. Before 31 August 2018 the consent holder shall provide an 'Efficiency Audit Report', prepared by a suitably qualified independent person, to the Chief Executive, Taranaki Regional Council. The report shall have the following objectives:
  - (a) characterising 'efficient water use' in the context of the Oaonui Water Supply;
  - (b) describing the current level of efficiency of the Oaonui Water Supply Scheme;
  - (c) identifying any barriers to efficient water use; and
  - (d) identifying how efficient water use can be achieved, including a timetable.

The report shall include as a minimum:

- (i) any work that could be undertaken to detect and minimise leaks;
- (ii) identification of water use efficiency and conservation measures that shall be practiced by individual users in order to achieve an appropriate level of efficiency;
- (iii) water use benchmarking data for the region, how the Oaonui Water Supply Scheme compares and reason for any significant differences;
- (iv) an assessment of the costs and benefits of individual metering;
- (v) the types of shed washdown methods used by farms in the scheme and how those methods contribute to efficient water use; and
- (vi) Recommendations to achieve efficient water use as appropriate.

The consent holder shall also provide a copy of this report to Te Kahui o Taranaki Trust and to Fish and Game.

# Consent 0231-4.0

- 16. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2019 and at 3-yearly intervals thereafter for the purposes of:
  - (a) ensuring efficient water use; and/or
  - (b) ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 5 April 2017

For and on behalf of Taranaki Regional Council

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A D McLay

**Director - Resource Management** 

# **Land Use Consent**

# Pursuant to the Resource Management Act 1991 a resource consent is hereby granted by the Taranaki Regional Council

Name of Oaonui Water Supply Limited

Consent Holder: R Stanley P O Box 593

**NEW PLYMOUTH** 

**Consent Granted** 

Date:

1 March 1999

# **Conditions of Consent**

Consent Granted: To erect, place, use and maintain a water intake structure

on the bed of the Oaonui Stream for water abstraction

purposes at or about GR: P20:865-031

Expiry Date: 1 June 2018

Review Date(s): June 2001, June 2006, June 2012

Site Location: Oaonui Stream, 685 Arawhata Road, Opunake

Legal Description: Lot 29 DP 682 Blk VIII Opunake SD

Catchment: Oaonui

#### **General conditions**

- a) That on receipt of a requirement from the General Manager, Taranaki Regional Council (hereinafter the General Manager), the consent holder shall, within the time specified in the requirement, supply the information required relating to the exercise of this consent.
- b) That unless it is otherwise specified in the conditions of this consent, compliance with any monitoring requirement imposed by this consent must be at the consent holder's own expense.
- c) That the consent holder shall pay to the Council all required administrative charges fixed by the Council pursuant to section 36 in relation to:
  - i) the administration, monitoring and supervision of this consent; and
  - ii) charges authorised by regulations.

#### **Special conditions**

- THAT the consent holder shall notify the Taranaki Regional Council, at least 48 hours prior to the commencement and upon completion of the initial construction, and again prior to, and upon completion of, any subsequent maintenance works which would involve disturbance of, or deposition to the riverbed or discharges to water.
- 2. THAT the structure[s] authorised by this consent shall be constructed generally in accordance with the documentation submitted in support of the application and shall be maintained to ensure the conditions of this consent are met.
- THAT during any construction or maintenance the consent holder shall adopt the best practicable
  option to avoid or minimise the discharge of silt or other contaminants into the water or onto the
  riverbed and to avoid or minimise the disturbance of the riverbed and any adverse effects on
  water quality.
- 4. THAT during any construction or maintenance the consent holder shall ensure that the area and volume of riverbed disturbance shall so far as is practicable, be minimised and any areas which are disturbed, shall so far as is practicable be reinstated.
- 5. THAT during any construction or maintenance the consent holder shall ensure that any disturbance of parts of the riverbed covered by water and/or any works which may result in downstream discolouration of water shall be undertaken only between 1 November and 30 April except where this requirement is waived by the written approval of the General Manager, Taranaki Regional Council.
- 6. THAT structure[s] which are the subject of this consent shall not obstruct fish passage.
- 7. THAT the consent holder shall develop and undertake a monitoring programme to determine the adequacy of fish passage as deemed necessary by the General Manager, Taranaki Regional Council, subject to section 35(2)(d) and section 36 of the Resource Management Act 1991. This monitoring information is to be forwarded to the General Manager, Taranaki Regional Council, upon request.
- 8. THAT the structure[s] authorised by this consent shall be removed and the area reinstated, if and when the structure[s] are no longer required. The consent holder shall notify the Taranaki Regional Council at least 48 hours prior to structure[s] removal and reinstatement.

# Consent 5453-1

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9.	giving notice of review during the n purpose of ensuring that the cond on the environment arising from the	ncil may review any or all of the conditions of this consent by nonth of June 2001 and/or June 2006 and/or June 2012, for the itions are adequate to deal with any significant adverse effects he exercise of this consent, which were either not foreseen at dered or which it was not appropriate to deal with at the time.
Trans	sferred at Stratford on 19 October 2	000
		For and on behalf of Taranaki Regional Council
		Chief Executive

# Land Use Consent Pursuant to the Resource Management Act 1991 a resource consent is hereby granted by the Taranaki Regional Council

Name of Oaonui Water Supply Limited

Consent Holder: PO Box 3157

New Plymouth 4347

Decision Date: 5 April 2017

Commencement Date: 1 May 2017

# **Conditions of Consent**

Consent Granted: To use and maintain a weir and water intake structure on the

bed of the Oaonui Stream, and to dam water, for water

supply purposes

Expiry Date: 1 June 2036

Review Date(s): June 2019 and 3-yearly intervals thereafter

Site Location: Arawhata Road, Oaonui

Grid Reference (NZTM) 1676822E-5641433N

Catchment: Oaonui

For General, Standard and Special conditions pertaining to this consent please see reverse side of this document

#### **General condition**

a. The consent holder shall pay to the Taranaki Regional Council all the administration, monitoring and supervision costs of this consent, fixed in accordance with section 36 of the Resource Management Act 1991.

# **Special conditions**

- 1. The consent holder shall maintain the weir so that it remains sound and fit for purpose.
- 2. The consent holder shall repair any erosion or scour of the river bed or banks caused by the weir and take reasonable steps to stop it recurring.
- 3. The weir shall not restrict the passage of fish.
- 4. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2019, and 3-yearly intervals thereafter for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

For and on behalf of

Signed at Stratford on 5 April 2017

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Taranaki Regional Council
O
A D McLay
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Director - Resource Management

# Discharge Permit Pursuant to the Resource Management Act 1991 a resource consent is hereby granted by the Taranaki Regional Council

Name of Oaonui Water Supply Limited

Consent Holder: PO Box 3157

New Plymouth 4347

Decision Date: 5 April 2017

Commencement Date: 1 May 2017

# **Conditions of Consent**

Consent Granted: To discharge water and contaminants into the Oaonui

Stream from sluicing a weir

Expiry Date: 1 June 2036

Review Date(s): June 2019 and 3-yearly intervals thereafter

Site Location: Arawhata Road, Oaonui

Grid Reference (NZTM) 1676828E-5641424N (sluicing discharge)

1676624E-5641124N (sand trap discharge)

Catchment: Oaonui

For General, Standard and Special conditions pertaining to this consent please see reverse side of this document

#### **General condition**

a. The consent holder shall pay to the Taranaki Regional Council all the administration, monitoring and supervision costs of this consent, fixed in accordance with section 36 of the Resource Management Act 1991.

# **Special conditions**

- 1. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any actual or likely adverse effect on the environment associated with the discharge and the activity generally, including by appropriately managing the timing, frequency and duration of sluicing.
- 2. The exercise of this consent shall not give rise to any of the following effects in the Oaonui Stream beyond a distance of 50 metres downstream of a discharge point:
  - (a) any conspicuous change in the colour or visual clarity;
  - (b) any emission of objectionable odour;
  - (c) the rendering of fresh water unsuitable for consumption by farm animals; and
  - (d) any significant adverse effects on aquatic life.
- 3. This consent shall not be exercised if, at any time on each of the three previous days, the flow in the Oaonui Stream downstream of the weir has been less than 151 litres per second.
- 4. The sluicing shall be managed to ensure that within 2 minutes of the sluice gate being closed the stream is flowing over the weir.
- 5. The consent holder shall ensure that an investigation is undertaken into the effects on the ecology of Oaonui Stream resulting from the exercise of this consent in combination with the damming authorised by consent 5453-2.0 and the taking authorised by consent 0231-4.0. A report on that investigation shall be provided to the Chief Executive, Taranaki Regional Council before 1 June 2020. The investigation shall be based on MCI and fish surveys.

The consent holder shall provide a copy of this report to Te Kahui o Taranaki Trust and to Fish and Game.

# Consent 10314-1.0

6. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2019 and at 3-yearly intervals thereafter, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 5 April 2017

For and on behalf of Taranaki Regional Council

A D McLay

**Director - Resource Management**