

COPY



greater WELLINGTON
REGIONAL COUNCIL



Resource Consent

RESOURCE MANAGEMENT ACT 1991

Consent No. WGN130085 [31970]

Category: Water permit
- Groundwater take

Pursuant to sections 104B and 108, and subject to all the relevant provisions of the Resource Management Act 1991 and any regulations made thereunder, a consent in respect of a natural resource is hereby granted to:

Name	Heretaunga Water Limited	
Address	41 Edgumbe Road, Tauranga 3110	
Duration of consent	Effective: 13 February 2013	Expires: 13 February 2023
Purpose for which right is granted	To take and use groundwater from an existing bore (R27/6978) located in the Upper Hutt Groundwater Zone for bottling and retail purposes.	
Location	1-5 Refreshment Place, Upper Hutt at or about map reference NZTM 1772080.5444732	
Legal description of land	Lot 2 DP 31196	
Water meter ID number	R27/6978	
Volume/Quantity/Rate	To take up to 179,712m ³ /year, at 576m ³ /day, at a maximum pumping rate of 10 litres/second.	
Conditions	1-13 as attached	

For and on behalf of
WELLINGTON REGIONAL COUNCIL

Musbatch
.....
Manager, Environmental Regulation

Date: *13 / 2 / 13*
.....

Summary of your rights and responsibilities

(Not part of the resource consent)

This resource consent gives you the right to use a public resource (e.g. water, air, the coastal marine area) in the manner specified in the consent.

You may exercise the resource consent as you see fit provided that you comply with all the conditions of your resource consent and all other laws of the land.

If you wish to change the way you operate under this resource consent or if you wish to change or cancel any consent conditions please contact the Wellington Regional Council (hereafter referred to as Greater Wellington) prior to making the changes. You may need a formal change to your resource consent conditions.

You may transfer your coastal, discharge, or water permit to any other person. If you sell your operation please contact Greater Wellington and we will arrange the transfer. The service is free of charge.

If your resource consent application contained inaccurate or misleading information, Greater Wellington may cancel or alter the resource consent.

Your resource consent does not:

- provide any warranty of any structure or process;
- provide any guarantee that the resource will be available at all times;
- provide any right of access through or over public or private land;
- negate the need for any approvals necessary under other legislation.

You, as the holder(s) of this resource consent and your agents (including contractors and employees) are jointly and severally liable for compliance with the conditions of this consent. It is important that anyone operating on your behalf fully understands and complies with the conditions of the resource consent.

You are required to pay any relevant charges that are associated with the consent. Greater Wellington fixes these charges, under section 36 of the Resource Management Act 1991. The Act allows you to comment on any proposed charges *prior to them being fixed*. Charges may be reviewed every year. If you would like a copy of our current Resource Management Charging Policy please feel free to contact us.

You are required to allow Greater Wellington Enforcement Officers access to your site and operation at any reasonable time so that we are able to inspect your operation and confirm it is complying with the resource consent.

Your resource consent will lapse if you do not give effect to it within five years of the date it was granted (unless otherwise specified in the resource consent conditions). If you wish to apply for an extension of this lapse date please contact Greater Wellington before the lapse date.

If you stop using your resource consent for a continuous five-year period, Greater Wellington may cancel your resource consent. We will advise you in advance if we propose to cancel your consent. You have the right to object to your consent being cancelled.

This consent is issued without prejudice to any claim that is lodged with the Waitangi Tribunal in relation to the customary ownership of natural resources, whether it be a claim that is awaiting hearing or awaiting settlement by the Crown.

Conditions to Resource Consent WGN130085 [31970]

General condition

1. The location, design, implementation and operation of the take shall be in general accordance with the consent application and its associated plans and documents lodged with the Wellington Regional Council on 23 October 2012 and further information received on:
 - 23 November 2012 (email)
 - 18 December 2012 (stream depletion assessment), and
 - 8 February 2012 (email with revised water level 'trigger' level)

Where there may be contradiction or inconsistencies between the application and further information provided by the applicant, the most recent information applies. In addition, where there may be inconsistencies between information provided by the applicant and conditions of the consent, the conditions apply.

Note: Any change from the location, design concepts and parameters, implementation and/or operation may require a new resource consent or a change of consent conditions pursuant to section 127 of the Resource Management Act 1991.

Rate and point of take

2. The rate at which water is taken from bore R27/6978 at or about approximate map reference NZTM: 1772082.5444731 shall not exceed 179,712m³/year, at 576m³/day at a maximum pumping rate of 10 litres/second.

Note: This equates to 16 hours/day and 312 days/year based on the maximum pumping rate.

Commencement of take

3. The consent holder shall notify the Manager, Environmental Regulation within 48 hours of the commencement of the take, as authorised by this consent.

Water measuring device/system

4. The consent holder shall install and maintain a sealed and tamper-proof water measuring device (water meter) as close as practicable to the point of take (Wells number R27/6978) **prior to the commencement of the take.** The water meter shall measure both cumulative water abstraction and the instantaneous rate of take, and be capable of providing data in a form suitable for electronic storage. The water meter shall be calibrated to ensure that the error does not exceed +/- 5%. The water meter shall be installed and maintained by a suitably qualified person in accordance with manufacturer's specifications and industry best practice guidelines, and to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.

Water level monitoring

5. The consent holder shall install and commission water level recording equipment in the Blockhouse Lane bore (wells number R27/7149) that records continuous data at no greater than 60 minute intervals, **prior to the commencement of the take.**

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13/2/13

The consent holder shall notify the Manager, Environmental Regulation, Wellington Regional Council, at least seven days prior to the equipment being installed, so that the current Wellington Regional Council monitoring equipment can be removed from the bore.

The water level recording equipment shall be installed and maintained by a suitably qualified person in accordance with manufacturer's specifications and to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council, for the duration of the consent.

Note 1: The consent holder can contact the Environmental Science department, Wellington Regional Council for advice about the water level recording equipment, monitoring and reporting.

Note 2: The consent holder may choose to install a dedicated tube for manual measurements of water level in the bore using a dip meter to check the accuracy of the electronic measuring system.

Water level triggers and response

6. A water level ("trigger level") in the Blockhouse Lane bore (wells number R27/7149) of at least 44.57 m above MSL shall be maintained at all times, as measured by the water level recording equipment required by condition 5.

If the water level in the Blockhouse Lane bore drops below 44.57m above MSL, the consent holder shall reduce the instantaneous pumping rate immediately and to a point whereby the water level in the bore recovers to or above 44.57m above MSL, and is maintained at or above 44.57m above MSL, and notify the Manager, Environmental Regulation, Wellington Regional Council, as soon as practicable or by the next working day.

Within **one month** of the above occurring, the consent holder shall submit a report to the Manager, Environmental Regulation, Wellington Regional Council, which analyses the cause of the water level declining. The analysis shall be undertaken by a suitably qualified and experienced person and be to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.

Note: Following an assessment of this report, the Manager, Environmental Regulation, Wellington Regional Council may review the "trigger level" in this condition.

Verification of the water measuring device/system

7. The consent holder shall verify the accuracy of the water measuring device/system required under condition 3 by **30 June in the year the take is commenced** to determine if the actual volume of water taken and water levels recorded are within +/- 5%.

After the initial verification, the consent holder shall verify the accuracy of the water measuring device/system required under condition 3 a second time by **30 June five years after the initial verification**. In the event that there are reasonable grounds established which highlight that the water measuring device/system may be inaccurate, the consent holder shall undertake further verification as directed by the Manager, Environmental Regulation, Wellington Regional Council to determine if the actual volume of water taken is within +/- 5%.

Any verification of the water meter under this condition must be performed by a suitably qualified person, that is to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.

Verification certificate

8. Within one month of any verification being undertaken on the water meter as required by condition 6, the consent holder shall submit to the Manager, Environmental Regulation, Wellington Regional Council, a copy of verification certificate/and or evidence documenting the calibration as completed by the person who undertook the verification.

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Keeping and submission of records

9. The consent holder shall record **daily readings** (in m³) of the water measuring device (water meter). These records shall be submitted to the Manager, Environmental Regulation, Wellington Regional Council in a suitable electronic format on a **monthly basis** by the 10th day of the next month for the duration of this consent.

Note: In the event of non-compliance with the rate of take and/or monitoring/reporting requirements of this consent, the consent holder shall submit records at a greater frequency as directed by the Manager, Environmental Regulation, Wellington Regional Council.

10. The consent holder shall provide the water level data recorded in accordance with condition 5. The data shall be reported relative to MSL in 60 minute intervals and be submitted to the Manager, Environmental Regulation, Wellington Regional Council in a suitable electronic format on a **monthly basis** by the 10th day for the first 12 months of this consent.

Following an assessment of the first 12 months of records, the frequency of submission of records may be increased or decreased at the direction of the Manager, Environmental Regulation, Wellington Regional Council.

Monitoring

11. If so requested by the Manager, Environmental Regulation, Wellington Regional Council, the consent holder shall make their bore available for the monitoring of water quality.

Pumping test

12. If so requested by the Manager, Environmental Regulation, Wellington Regional Council, the consent holder shall undertake a pumping test on the bore (wells number R27/6978) at a rate of 10 litres/second or greater.

The consent holder shall submit a pumping test methodology to the Manager, Environmental Regulation, Wellington Regional Council at least 15 working days prior to undertaking the test. No works shall begin on the pumping test until the consent holder has received notice from the Wellington Regional Council that the methodology is acceptable.

The pumping test shall be undertaken by a suitable qualified professional and be in accordance with the Wellington Regional Council's *Aquifer Test Guidelines for the Wellington Region, August 2011*.

Note: The requirement to undertake a pumping test shall only be requested following the installation of a permanent pump in the bore.

Review conditions

13. The Wellington Regional Council may review any or all conditions of this consent by giving notice of its intention to do so pursuant to section 128 of the Resource Management Act 1991, at any time within three months of the 30 June each year for the duration of this consent, for the purpose of:
- Reviewing seasonal groundwater allocation requirements; and/or
 - Dealing with any adverse effects on the environment which may arise from the exercise of this consent, and which is appropriate to deal with at a later stage; and/or
 - To review the adequacy of and/or alter any monitoring requirements so as to incorporate into the consent any monitoring or other requirements which may become necessary to clarify or deal with any adverse effect on the environment of arising from this activity; and /or
 - Enabling consistency with the relevant Regional Plan(s)

Important notes relating to measuring and reporting of your water take:

1. The Resource Management (Measuring and Reporting of Water Takes) Regulations 2010 came into effect on 10 November 2010.

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The standards for water measuring devices are specified in Regulation 6(6). If a water meter cannot be installed on the point of take, approval is required from Wellington Regional Council in accordance with Regulation 10.

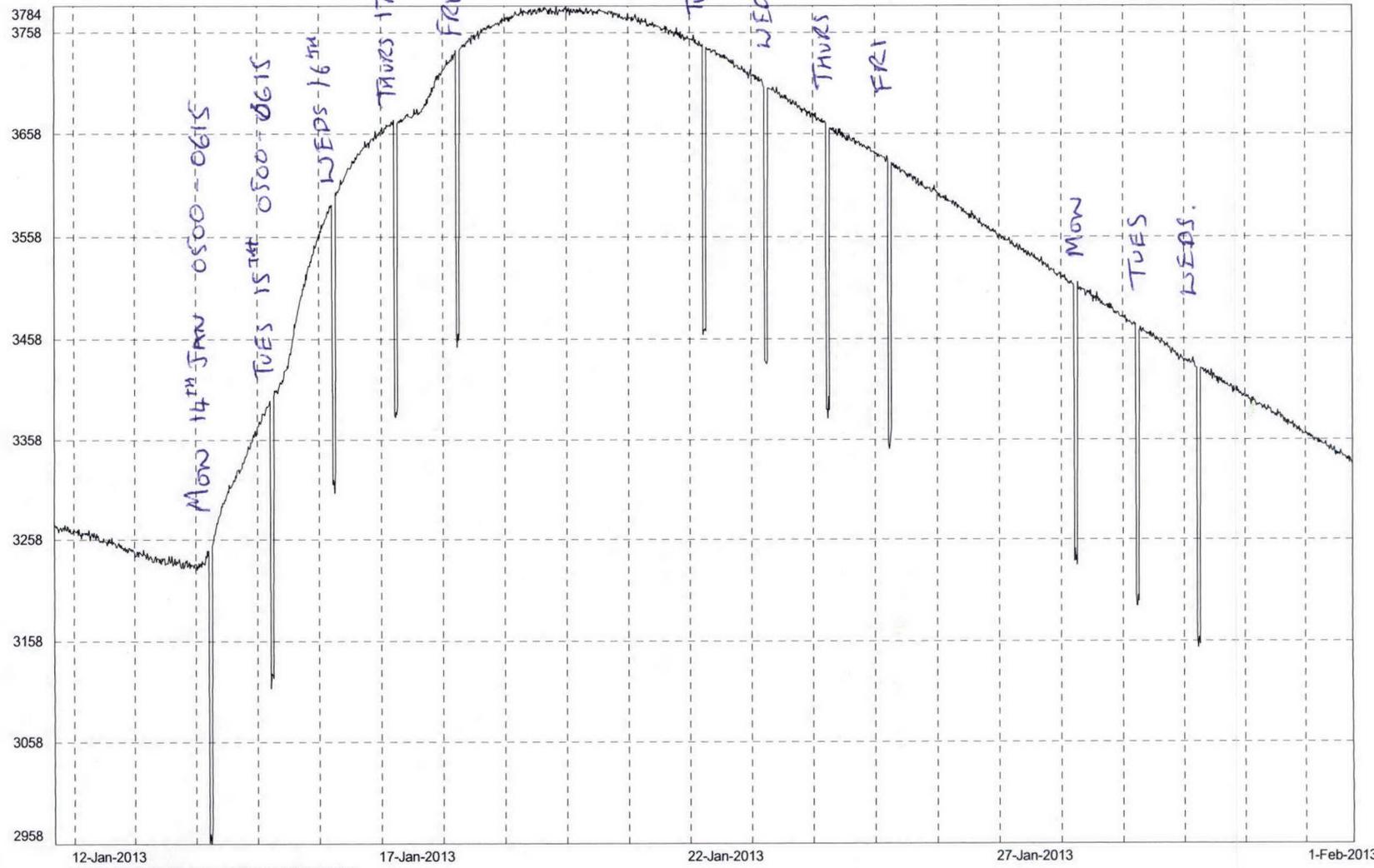
The Regulations require that daily records of water use are kept unless approval is provided from Wellington Regional Council to keep weekly records in accordance with Regulation 9. If you are not using your water permit, you must still keep and send Wellington Regional Council daily records specifying 'zero' when no water is taken.

2. A suitably qualified person is an individual/company that is registered with the Water Measurement and Reporting Industry Accreditation Program or can demonstrate an appropriate standard of installation or verification to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.
3. Where industry best practice guidelines differ from manufacturer's specifications, the more stringent standard applies, unless special circumstances apply to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council. Therefore, verification of the water measuring device/system can only be achieved when the most stringent standard (either industry best practice or manufacturer's specifications) for installation has been achieved.
4. A suitable electronic format for supplying records is one which is compatible with Wellington Regional Council's Water Use Data Management System, unless special circumstances apply to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.
5. Records can be sent to notifications@gw.govt.nz. Please include the consent reference WGN130085 and the name and phone number of a contact person for the take. If it is not possible to provide results in an electronic spreadsheet format please contact Wellington Regional Council prior to the irrigation season to make alternative arrangements.
6. The annual take volume shall be assessed for the period 1 July to 30 June the following year.

General notes:

- a) This resource consent does not guarantee that quantity or quality of water will be maintained or available.
- b) Please contact the Wellington Regional Council, Environmental Regulation, if you plan to make any modifications to the bore, pump, or irrigation system. Any significant modifications may require you to apply for a change of consent conditions.
- c) A resource management charge, set in accordance with section 36(2) of the Resource Management Act 1991 shall be paid to the Regional Council for the carrying out of its functions in relation to the administration, monitoring, and supervision of resource consents and for the carrying out of its functions under section 35 (duty to gather information, monitor, and keep records) of the Act.
- d) The Wellington Regional Council shall be entitled to recover from the consent holder the costs of any review, calculated in accordance with and limited to the Council's scale of charges in force and applicable at that time pursuant to section 36 of the Resource Management Act 1991.
- e) In the event of undue interference with other bores/wells in the area and/or a long term sustained decline in groundwater levels becomes apparent through groundwater level monitoring undertaken in the aquifer where bore R27/6978 is located, the consent holder may be requested to reduce or stop pumping as maybe directed by the Manager, Environmental Regulation, Wellington Regional Council. Undue interference is defined as drawdown in neighbouring bores/wells that was not evaluated at the time the resource consent was processed.

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A 13/2/13



12-Jan-2013
 11-Jan-2013 16:12:17 to 1-Feb-2013 18:42:04
 — BP compensated stage (mm) at Unibag_Raw

WEEKDAY PUMPING BETWEEN 05:00 - 06:15

WELL # R27/6978

Ainslee Brown

From: Rose Morris
Sent: Friday, 26 June 2015 10:02 AM
To: [REDACTED]
Subject: Heretaunga water

Morning John,

Just getting in contact regarding Heretaunga Water consent WGN130085. When we last spoke you were expecting that you'd be commencing the water take in April sometime.

I have not heard from you since to confirm this. I am wanting to find out how you are going with commencing the take. I wanted to remind you that your consent specifies a number of conditions where you need to notify us prior to the commencement of the water take, and a few other things you will need to install prior to extracting water. The consent specifies the following:

Commencement of take

3. The consent holder shall notify the Manager, Environmental Regulation within 48 hours of the commencement of the take, as authorised by this consent.

Water measuring device/system

4. The consent holder shall install and maintain a sealed and tamper-proof water measuring device (water meter) as close as practicable to the point of take (Wells number R27/6978) **prior to the commencement of the take**. The water meter shall measure both cumulative water abstraction and the instantaneous rate of take, and be capable of providing data in a form suitable for electronic storage. The water meter shall be calibrated to ensure that the error does not exceed +/- 5%. The water meter shall be installed and maintained by a suitably qualified person in accordance with manufacturer's specifications and industry best practice guidelines, and to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.

Water level monitoring

5. The consent holder shall install and commission water level recording equipment in the Blockhouse Lane bore (wells number R27/7149) that records continuous data at no greater than 60 minute intervals, **prior to the commencement of the take**.

The consent holder shall notify the Manager, Environmental Regulation, Wellington Regional Council, at least seven days prior to the equipment being installed, so that the current Wellington Regional Council monitoring equipment can be removed from the bore.

The water level recording equipment shall be installed and maintained by a suitably qualified person in accordance with manufacturer's specifications and to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council, for the duration of the consent.

Note 1: The consent holder can contact the Environmental Science department, Wellington Regional Council for advice about the water level recording equipment, monitoring and reporting.

Note 2: The consent holder may choose to install a dedicated tube for manual measurements of water level in the bore using a dip meter to check the accuracy of the electronic measuring system.

How are you going at the site with regard to these points?

Ainslee Brown

From: Rose Morris
Sent: Tuesday, 10 March 2015 3:13 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: Heretaunga water limited

Kia ora Teri,

I called and spoke with John Cronin regarding Heretaunga water, and he let me know they are hopefully just a few weeks away from commencing with the water take.

He suggested sending through his email address to you was a good way of getting in touch, so I've cc'd him in here so you can make contact that way.

Kind regards,

Rose Morris | Resource Advisor
GREATER WELLINGTON REGIONAL COUNCIL
Te Pane Matua Taiao
Shed 39, 2 Fryatt Quay, CentrePort, Wellington
| PO Box 11646, Manners St, Wellington 6142
T: 04 830 4175



Ainslee Brown

From: Stephen Thawley
Sent: Tuesday, 23 September 2014 10:46 AM
To: [REDACTED]
Subject: Requirements for your water take consent – water meter verification and keeping water use records

Hi,

Our records show that you hold a water take consent for between 10 and 20 litres/sec. Back in 2010, new Regulations for measuring and reporting water use came into effect. Two requirements were identified for all water takes between 10 and 20 litres/sec that affect you:

1. Your water meter is required to be verified by 30 June 2015.
2. You are required to record daily water use in m³ (except if an exemption is made for weekly recordings) from 10 November 2014 and submit records to us by 31 July 2015 at the latest.

Please note that conditions on your water take consent may require you to have your water meter verified earlier and/or you may be required to report water use already.

Our records show that your water meter (if installed) has not been verified or booked in for verification by an accredited installer/verifier. It is recommended that you make contact with an accredited installer/verifier over the next month so that they can programme your verification over the upcoming irrigation season. Accredited companies that have been undertaking verification in the region to date are:

GV Electrical & Pumping – 06 3745210
FarmSpec – 06 3797953
Ordish & Stevens 06 3700700
Waterforce – 06 3708988

A full list of accredited installers/verifiers can be found on our website at <http://www.gw.govt.nz/water-takes-and-bores/>.

Please also ensure that you have appropriate systems in place to record and report your water use to us.

Regards

Stephen

Stephen Thawley | Project Leader, Environmental Regulation
GREATER WELLINGTON REGIONAL COUNCIL | 34 Chapel St | PO Box 41, Masterton 5840
Te Pane Matua Taiao
T: 06 826 1584 | M: 021 567383
www.gw.govt.nz



FILE NOTE

DATE 9/06/2014
AUTHOR Rose Morris
SUBJECT Converstiaon with John - no water taken 13/14
FILE NUMBER WGN/13/0085/1-v1

After playing a bit of phone tag I managed to speak to John at about 1.30pm on 9 June. No water has been abstracted during the 13/14 year.

He thinks they are about 3 months away from beginning operations. I asked him to contact us when they do start, and suggested they contact us via notifications@gw.govt.nz

Rose Morris
Compliance Assistant
Environmental Regulation

DD: 04 830 4175
[morrisc@gw.govt.nz](mailto:morrisr@gw.govt.nz)

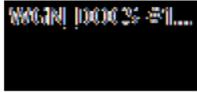
Ainslee Brown

From: Kirsty van Reenen
Sent: Thursday, 15 May 2014 9:24 AM
To: [REDACTED]
Subject: Water Permit WGN130085 [31970] Heretaunga Water Ltd

Hi John,

I am the monitoring officer for your water permit to take and use groundwater from an existing bore in the Upper Hutt Groundwater Zone for bottling and retail purposes (consent certificate attached). I've had a look through our files and there is no record of a notification from you for the commencement of the take, a water meter verification certificate or any water take records. Can you please confirm whether the water take under this consent has commenced? If not, are you able to give an indication of when you are planning on commencing?

Kind Regards



Kirsty

Kirsty van Reenen | Resource Advisor
GREATER WELLINGTON REGIONAL COUNCIL
Te Pane Matua Taiao
Shed 39, 2 Fryatt Quay, Pipitea, Wellington
PO Box 11646, Manners St, Wellington 6142
T: 04 830 4015
www.gw.govt.nz

#1172051

Malory Osmond

From: Malory Osmond
Sent: Wednesday, 13 February 2013 4:28 p.m.
To: [REDACTED]
Subject: RE: Heretaunga Water Ltd consent application processing costs

Hi John,

I am pleased to inform you that the water permit for Heretaunga Water Limited was granted today. Electronic and hard copies have been sent to Beca.

Processing of the application took longer than expected and longer than I estimated in my email below. An invoice will be sent to you shortly for the additional time spent, which equates to \$2,255.00 (exc GST).

If upon receipt of the invoice you would like a breakdown of the costs, please feel free to contact me.

Kind regards

Malory Osmond | Senior Resource Advisor, Environmental Regulation
GREATER WELLINGTON REGIONAL COUNCIL

Te Pane Matua Taiao

142 Wakefield Street | PO Box 11646, Manners Street, Wellington 6142
T: 04 830 4015 | www.gw.govt.nz

From: Malory Osmond
Sent: Thursday, 6 December 2012 3:34 p.m.
To: [REDACTED]
Cc: [REDACTED]
Subject: Heretaunga Water Ltd consent application processing costs

Hi John,

I am processing the consent application for Heretaunga Water Limited to take groundwater from an existing bore at 1-5 Refreshment Place in Upper Hutt.

I have been liaising with Beca regarding the processing of the application and our requests for further information. However, as you are paying the bills, this email is to keep you informed of the costs incurred to date processing the application.

The initial application fee paid was \$1,518.00. This fee covers 12 hours of staff time. We have now spent 17.75 hours on this application. Which equates to an extra charge of \$727.38 (5.75 hours). At this stage, I estimate that a further 7 hours (or \$885.50) will be required to complete processing the application.

If you wish to discuss why your application has taken more time to process, I suggest you contact Beca in the first instance. Alternatively, I would be happy to discuss your application and the costs associated with you. Feel free to call me on 04 830 4015.

Kind regards

Malory Osmond | Senior Resource Advisor, Environmental Regulation
GREATER WELLINGTON REGIONAL COUNCIL

Te Pane Matua Taiao

142 Wakefield Street | PO Box 11646, Manners Street, Wellington 6142
T: 04 830 4015 | www.gw.govt.nz

1172050

Malory Osmond

From: Malory Osmond
Sent: Wednesday, 13 February 2013 4:18 p.m.
To: 'Nathan Baker'
Subject: Heretaunga Water Ltd consent GRANTED today
Attachments: CONSENT CERTIFICATE.pdf; REPORT.pdf; LETTER.pdf

Hi Nathan,

Hot off the press... Here are copies of the Heretaunga Water Ltd consent, officer's report and cover letter. Hard copies on the post to you.



CONSENT CERTIFICATE.pdf (364 KB) REPORT.pdf (573 KB) LETTER.pdf (1 MB)

Regards

Malory Osmond | Senior Resource Advisor, Environmental Regulation
GREATER WELLINGTON REGIONAL COUNCIL
Te Pane Matua Taiao
142 Wakefield Street | PO Box 11646, Manners Street, Wellington 6142
T: 04 830 4015 | www.gw.govt.nz

COPY

Non-notified resource consent application report and decision

Summary of decision

Activity: To take and use groundwater from an existing bore located in the Upper Hutt Groundwater Zone for bottling and retail purposes.

File Reference: WGN130085

Date Granted: 13 February 2013

Commencement date: 13 February 2013

Applicant: Heretaunga Water Limited
41 Edgecumbe Road
Tauranga 3110

For: John Cronin

Address for service: Heretaunga Water Limited
C/- Beca
PO Box 3942
Wellington 6140

For: Nathan Baker

Decision made under: Sections 104B and 108 of the Resource Management Act 1991

Consent Granted: **[31970]: Discretionary Activity**
Water permit to take and use groundwater from an existing bore (R27/6978) located in the Upper Hutt Groundwater Zone for bottling and retail purposes.

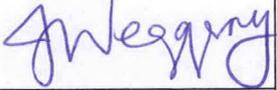
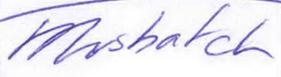
Location: 1-5 Refreshment Place, Upper Hutt

Map Reference: At or about map reference NZTM: 1772080.5444732

Legal Description: Lot 2 DP 31196

Duration of Consent: [31970]: 10 years

Subject to conditions: Attachment 1

Decision recommended by:	Malory Osmond	Senior Resource Advisor, Environmental Regulation	
Decision peer reviewed by:	Jude Weggery	Resource Advisor, Environmental Regulation	
Decision approved by:	Jeremy Rusbatch	Team Leader, Environmental Regulation	

Reasons for decision: resource consent WGN130085 [31970]

1. Background and proposal

1.1 Background

Beca Carter Hollings & Ferner Limited has applied on behalf of Heretaunga Water Limited (the applicant) to the Greater Wellington Regional Council (GWRC) to take and use water from an existing bore (R27/6978) located at 1-5 Refreshment Place, Upper Hutt.

Historically the site was owned by Coca-Cola Bottlers (Wellington) Limited and used as a bottling plant until its closure several years ago. A water take from this bore was consented under WGN040019 [22914] and owned by Piccadilly Investments Limited; however, this consent lapsed in August 2008.

This is therefore an application for a new water take. The applicant plans to bottle the water for retail sale.

1.2 Proposal

The bore is located within the Upper Hutt Groundwater Zone (UHGZ), near the south western boundary of Lot 2 DP 31196. The applicant has applied to take up to 576m³/day at a maximum pumping rate of 10 litres/second (for 16 hours/day), six days per week (Monday to Saturday), 52 weeks per year. This equates to an annual volume of 179,712m³/year

2. Resource consents required

2.1 Resource Management Act 1991

Section 14 of the Resource Management Act 1991 (the Act) outlines requirements that the taking of water requires a resource consent unless permitted by a National Environment Standard (NES), a rule in a regional plan¹ as well as a rule in a proposed regional plan for the same region (if there is one) or a resource consent. As the proposed take is not permitted by any of these pathways, a resource consent is required.

2.2 Regional Freshwater Plan Rules

Rule 16 of the Regional Freshwater Plan for the Wellington Region (RFP) states that the taking of water that does not meet the permitted activity standards in Rule 7 requires a resource consent². The proposed water take does not meet the standards and conditions of Rule 7, and therefore is considered a **discretionary activity** under Rule 16 of the RFP and resource consent is required.

¹ Section 14 allows for the taking of water for an individual's domestic needs, stock water, and fire fighting water.

² Rule 7 allows for up to 20,000 litres per day to be taken without a resource consent subject to four conditions.

3. Consultation

3.1 Iwi

In accordance with GWRC's agreement with tangata whenua regarding consultation on non-notified consents, Te Runanganui O Taranaki Whanui Ki Te Upoko O Te Ika a Maui, Wellington Tenth Trust and Ngati Toa Rangatira provided with a copy of the application. Both the Wellington Tenth Trust and Ngati Toa Rangatira chose not to comment on the application.

Teri Puketapu responded on behalf of Te Runanganui O Taranaki Whanui Ki Te Upoko O Te Ika a Maui. On 1 November 2012, Mr Puketapu sent GWRC a letter requesting the application be publically notified, to provide the public and their iwi representation to be provided with the opportunity to object to the application. The letter correctly noted that the instantaneous rate applied for is 10 l/s which is greater than the 2.5 l/s permitted by the RFP, and as such the application was considered as a discretionary activity under Rule 16.

During several discussions with Mr Puketapu, he advised that he had concerns with a Tauranga company taking water from the Upper Hutt aquifer and selling it for a profit. He noted the pressures on the groundwater resource generally, the connection of the Upper Hutt aquifer to the Hutt River and that the public were being asked to comply with water restrictions over the summer months. Overall, Mr Puketapu considered the application should be notified 'on principal' and that members of the Upper Hutt community should be provided with the opportunity to submit.

Following an assessment of the application against section 95 of the Act, GWRC considered that the application did not trigger any of the public notification pathways provided in section 95 and there were no special circumstances where by the application should be notified. The decision was made that the application be processed on a non-notified basis and a letter was sent to Mr Puketapu on 12 December 2012 outlining this decision and the reasons for it.

3.2 GWRC Groundwater Scientist

I have consulted with and sought advice from Dr Doug Mzila, Senior Groundwater Scientist – Hydrology at GWRC. Dr Mzila undertook a review of the pumping test results and analysis provided with the application and provided comments on the assessment of environmental effects.

Mr Mzila considered that the pumping test and their analysis had been conducted in a professional manner; however, his main concerns was that the aquifer had only been tested at a constant rate of 4 l/s for an application to abstract water at 10 l/s.

GWRC requested that the applicant conduct another pumping test at or above 10 l/s, in order to confirm that the proposed take will not result in more than minor effects on neighbouring wells. The applicant provided an argument that even though the pumping test was conducted at a low rate, the derived aquifer parameters from this test could be used to model what the effects would have

been if the well was pumped at 10 l/s, and they had provided this modelling information in the application, which concluded there would be no more than minor effects.

Dr Mzila reanalysed the pumping test results provided using similar tools and the results were consistent with those provided in the application. Therefore, he agrees with the applicant's calculated drawdown at the proposed rate at 10 l/s. Dr Mzila agrees with the applicant that it is unlikely that a 10 l/s abstraction from the bore will result in a significant drawdown in neighbouring wells. However, as this higher rate has not been tested, he has recommended a condition of consent that requires the consent holder to monitor the water levels in the bore. If pumping of the bore results in a drawdown greater than that modelled by the applicant, and that is below the naturally occurring low water levels, then the applicant will be required to reduce their pumping rate.

Following consultation with the applicant, Dr Mzila agreed that it would be more appropriate to monitor the water levels in a nearby bore, rather than the applicant's bore. The Blockhouse Lane bore (wells number R27/7149), was selected.

I consider that this condition proposed by Dr Mzila is important to verify the applicant's assessment that there will be no effects on neighbouring wells. This condition is discussed further in Section 6.4 of this report.

Dr Mzila considered the proposed take could result in interception of groundwater discharge to springs that feed the Mawaihakona Stream and another unnamed small stream that flows into the Hutt River. He therefore recommended the applicant undertake a stream depletion assessment. The applicant provided a stream depletion assessment on 18 December 2012 and the results of this assessment are discussed in Section 6.5 of this report.

Overall, Dr Mzila considers that provided the recommended monitoring conditions are complied with, the application will have a no more than minor effect on the environment.

4. Notification decision

Section 95D provides the consent authority with a framework under which I have assessed this application. I consider the proposed take will have adverse effects that will be, or are likely to be no more than minor. Given this, I consider that public notification is not required under section 95A(1).

However, under section 95B a consent authority must decide under sections 95E and 95F if there are any affected persons or affected order holders in relation to the proposed take. These are discussed in the following sections.

5. Determination of affected persons and order holders

Under section 95E(1) a consent authority must decide whether a person is affected by a proposed take, if the adverse effects on the person are minor or more than minor (but are not less than minor).

Under section 95E(2)(a) a consent authority may disregard an adverse effect of the activity on a person if a rule or national environmental standard permits an activity with that effect and/or the person has given written approval to the take under section 95E(3)(a).

I consider there are no affected persons to this application.

Under section 95F a consent authority must decide if a person is an affected order holder in relation to the proposed take. Currently there are no affected order holders under section 17A(2) in the Wellington region.

6. Environmental effects

6.1 Existing environment

The bore R27/6978 is approximately 30m deep and screens the unconfined/semi-confined aquifer of the UHGZ.

The Hutt River is the primary surface water feature in the UHGZ flowing along the base of the Western Hutt Hills (approximately 1.3km from the site). A number of spring-fed streams emerge along the margins of the Hutt River including the Mawaihakona Stream which is located 1.3km south of the bore and an unnamed tributary of the Hutt River approximately 600m south west of the bore. There are no significant wetland areas recorded in the UHGZ reflecting the largely urbanised nature of land use in the area.

The subsurface geology of the UHGZ in this area consists of alluvial gravel and sands containing variable proportions of silt over the upper 50 metres of the stratigraphic column. These deposits are inferred to represent materials deposited and reworked by the Hutt River during the late stages of the Otarian glaciation (approximately 10,000 to 25,000 years BP) and subsequent interglacial period. Bore logs from the few bores penetrating deeper levels of the Upper Hutt basin record a variable sequence of relatively weathered silty gravels containing frequent layers of fine sand and organic sediments.

The underlying factors influencing the environmental effects of groundwater abstraction are the type of aquifer and the rate of take from it. Environmental effects may include interference with adjacent bores and flow depletion effects on nearby water courses. Potential effects are discussed in the following sections.

6.2 Pumping test

The applicant's bore R27/6978 is approximately 30m deep with a 150m internal diameter. In November 2010 the bore was pump tested at a rate between 4.0-4.23 l/s by Griffiths Drilling Limited. There is no bore log data for bore R27/6978.

Given there are no records of well construction Mark Utting (Beca Carter Hollings & Ferner Limited) recommended in his assessment (Appendix B of the consent application document) that a down-hole video survey be conducted to verify well construction details and well condition before pump installation.

Following consultation with Dr Mzila, I have not recommended a CTV survey as a condition of consent; however, the applicant may choose to undertake this study to determine the condition of the bore to provide more certainty on well loss.

The bore was pump tested at a constant rate of 4 l/s for 72 hours and maximum drawdown during this period was 0.35m. Drawdown over 150 days (pumping at the proposed abstraction rate of 10 l/s) was calculated to cause a drawdown of 1.2m, and with a well loss of approximately 0.3m, total drawdown was proposed by the applicant at 1.5m.

6.3 Aquifer allocation - UHGZ

The RFP identifies safe yield for the UHGZ as 26.9 million m³/year. There are currently five consented takes in the UHGZ. Given that this application is for a new groundwater take, the allocation in the aquifer will increase slightly (by 0.7%) and total allocation, including the applicant's take, is now 9.1% of the aquifer's annual safe yield. I consider that there are no more than minor effects on allocation as a result of granting the applicant's groundwater take.

6.4 Effects on other bores (Interference effects)

The abstraction of groundwater from any bore has the potential to create an effect on nearby bores if the bore is located in the same aquifer as other bores, or if the aquifers are hydraulically connected.

The closest bores are R27/7148 located approximately 300m north and R27/7146 located about 500m of the site. These bores do not have water permits associated with them. The drawdown interference for these wells was estimated at 240mm for R27/7148 and 210mm for R27/7146 based on 150 days of pumping. The effect of the drawdown on neighbouring wells with water permits was also modelled by the applicant. The location of these wells ranged from 1,035m to 4,290m from R27/6978 and drawdown after 150 days of pumping was >100mm to 185mm.

The applicant concluded in their assessment that the above drawdown interferences are very small and are unlikely to be noticed by any consented groundwater users and permitted activity wells. Therefore, they consider the proposed take is consistent with Policy 6.2.8 of the RFP regarding avoiding excessive reduction in other bores from the water take. Dr Mzila agreed with the applicant that it is unlikely that a 10 l/s abstraction from the bore will result in a significant drawdown in neighbouring wells. However, as the bore has not been tested at the applied for rate of 10 l/s, Dr Mzila considered it to be important that the water levels in the aquifer are monitored to verify the conclusions drawn in the applicant's assessment. Following consultation with the applicant, it was agreed that it would be appropriate to monitor water levels in a nearby bore and the Blockhouse Lane bore (wells number R27/7149) was selected, being located approximately 153m away from the applicant's bore. If the water levels in the Blockhouse Lane drop below the predicted drawdown, then the consent holder should then be required to reduce their pumping rate to ensure adverse effects on neighbouring wells are avoided.

I concur with Dr Mzila, and have recommended a condition of consent that requires the consent holder to install water level monitoring equipment in the Blockhouse Lane bore and provide records of the water levels to GWRC on a monthly basis. The frequency of the submission of records may be reviewed after receipt of the first 12 months of records.

GWRC has been monitoring the water levels in the applicant's bore since 2006. Monitoring from August 2006 to October 2012, has recorded a minimum natural water level in the bore as 45.60m above mean sea level (MSL). The minimum natural water level in the Blockhouse Lane bore (R27/7149) is assumed to be the same, as it is located only 153m away.

The applicant has proposed a trigger level (water level) in the Blockhouse Lane bore of 44.57m above MSL. This is based on the assumed water level of 45.60m above MSL, minus the predicted worse-case, 1-year, average pumping rate (5.7 l/s) interference drawdown of 0.45m, minus the predicted worst-case, 16 hour peak pumping rate (10 l/s) interference drawdown of 0.08m, minus 0.5m for climatic variation. Dr Mzila has reviewed the proposed trigger level and confirmed it is appropriate.

I have therefore recommended a condition of consent that requires the consent holder to maintain a water level in the bore of at least 44.57m above MSL. If the water level drops below this point, the consent holder will be required to reduce their pumping rate immediately and to a point whereby the water level recovers and is maintained at or above 44.06m above MSL. Additionally, the applicant will be required to investigate the cause of the decline in water level and provide a report to GWRC. The trigger level may be reviewed by GWRC upon an assessment of this report.

I consider that these monitoring conditions will ensure adverse drawdown effects on neighbouring bores are avoided.

6.5 Flow depletion effects on surrounding streams

According to the GWRC document "*Application of Proposed Framework for Conjunctive Water Management: Hutt Valley and Kapiti Coast (June 2011)*" the proposed groundwater take is located in a Category A area. Category A areas are sites with direct hydraulic connection with surface water where stream depletion effects may be mitigated by application of minimum flow or level cut-offs.

To assess potential stream depletion the applicant ran a model using three sets of assumed possible values for aquifer transmissivity, aquifer storativity, stream bed hydraulic conductivity and stream bed thickness. The analysis showed that pumping the bore for 2hrs/day at 10 l/s would cause a depletion of flow in the Hutt River and the Mawaihakona Stream. Depletion from the Mawaihakona Stream was assessed at <1-5% of its recorded flow while the depletion of the Hutt River would be less than 0.2% of its 1-Day Mean Annual Low Flow (MALF).

Dr Mzila considered the applicant has done adequate work in assessing the stream depletion effects, and that the effects are less than minor taking into

consideration the water allocation status of the aquifer and the proposed consent conditions. I agree with Dr Mzila that abstraction at the proposed rate from the applicant's bore R27/6978 will have no more than minor effects on nearby streams.

7. Statutory assessment

7.1 Resource Management Act 1991

Part II (section 5) of the Act defines its purpose as the promotion of the sustainable management of natural and physical resources. Sections 6, 7 and 8 of Part II define the matters a consent authority shall consider when achieving this purpose.

Section 104(1)(b) of the Act outlines the matters a consent authority must have regard to. These matters include any actual and potential effects on the environment of allowing the activity, relevant National Environmental Standards, other regulations, relevant objectives, policies and rules of a Regional Plan, the Regional Policy Statement and proposed Regional Policy Statement³, and any other matter considered relevant and reasonably necessary to determine the application.

7.2 National Policy Statement for Freshwater Management 2011

The National Policy Statement (NPS) for Freshwater Management 2011 took effect on 12 May 2011.

Policy B5: Every regional council will ensure that no decision will likely result in future over-allocation – including managing fresh water so that the aggregate of all amounts of fresh water in a water body that are authorised to be taken, used, dammed or diverted – does not over-allocate the water in the water body.

Policy B7: This policy shall be applied until regional councils amend their plans under Schedule 1 to give effect to Policy B1 (allocation limits), Policy B2 (allocation), and Policy B6 (over-allocation) and these changes have become operative.

I have assessed the proposal against the NPS, in particular policies B5 and B7 and I consider that the proposed water take is consistent with these policies.

7.3 National Environmental Standard

The Resource Management (Measuring and Reporting Water Takes) Regulations 2010 (the Regulations) came into effect on 10 November 2010 which require all water takes of 5 l/s or more to be metered, get the meters verified on a regular basis and record daily meter readings. The regulations apply to this water take so I have recommended conditions of consent requiring a water meter to be installed as close as practicable to the point of take, verified, recorded daily and records submitted to GWRC on a monthly basis.

³ The proposed RPS was notified on 21 March 2009

7.4 Regional Policy Statement and Proposed Regional Policy Statement

The Operative Regional Policy Statement for the Wellington Region (RPS) contains several objectives and policies aimed at maintaining the quality of the freshwater environment. These objectives and policies are intended to provide for the current and reasonably foreseeable needs of current and future generations. The relevant chapter of the RPS are Chapter 5 (Freshwater) and Chapter 9 (Ecosystems). I consider that the proposed activity outlined in the application is consistent with the objectives and policies of these chapters.

The proposed RPS was notified in March 2009. The decision was released and notified in May 2010. Following this, eight appeals were received. Since 2010, mediation has been ongoing to resolve these appeals. The mediation was successful and all parties agreed to changes with consent orders being sought from the Court to confirm these agreements. On 7th December 2012, the final consent order was received from the Court. Given this, significant weight can be placed on the policies of the proposed RPS. Full weighting will follow when the proposed RPS becomes 'fully' operative following public notification in early 2013.

The provisions in the proposed RPS must be considered pursuant to section 104(1)(b)(v) of the Act. Section 4.2 of the proposed RPS contains the relevant regulatory policies to be given particular regard when assessing and deciding on resource consent applications. I consider that, with the application of the recommended conditions of consent, the proposed activity is consistent with the policies in section 4.2 of the proposed RPS.

7.5 Regional Plans

The RFP has a number of objectives and policies that relate to the proposed activity. The most relevant objectives and policies to consider when assessing this application are listed below:

- Policy 6.2.1: Management of the allocation of water and flows in the parts of rivers as detailed in Table 6.1 of the RFP.
- Policy 6.2.3: Management of aquifers in groundwater zones using allocation limits.
- Policy 6.2.8: Effects on surface water and other bores.
- Policy 6.2.18: Water conservation and efficient use of water resources.
- Policy 6.2.19: To encourage water conservation, particularly in water short areas.

I have assessed the proposal against these policies and I consider that the proposal is consistent with these policies as detailed in Section 6 of this report.

8. Main findings

There will be no more than minor effects on the environment as a result of granting the application described above. The effects on water allocation of the UHGZ and potential effects on other users will be no more than minor.

- The proposed activity is consistent with the Purposes and Principles of the Act
- The proposed activity is consistent with the relevant objectives and policies of the RPS, the Proposed RPS, the RFP, the NPS and the Resource Management (Measurements and Reporting of Water Takes) Regulations 2010
- The actual or potential adverse effects of the proposed activity on the environment will be or are likely to be no more than minor
- Conditions of the consent will ensure that the adverse effects of the activity on the environment will be appropriately avoided, remedied or mitigated

8.1 Duration of consent

The applicant has requested a duration of 30 years for consent WGN130085 [31970]. A duration of 10 years is typically provided for groundwater take consents in the Wellington Region. There have been few exceptions to this whereby GWRC has considered a slightly longer duration has been warranted.

In this case, as the bore has not been tested at the applied for rate of 10 l/s, I do not consider enough information has been provided for this application to be one of the exceptions that warrants a longer than 10 year duration.

The recommended monitoring conditions will ensure information is obtained regarding the effects pumping the bore at 10 l/s has on aquifer water levels and surrounding bore owners. Once 10 years of monitoring information has been gathered, if the information confirms the applicant's assessment that the effects of the take are no more than minor, a longer duration such as 15 years may be considered by GWRC for any future renewal consent.

I therefore consider a duration of 10 years is appropriate for water permit WGN130085 [31970] as this is consistent with the consent duration for groundwater abstractions in the Wellington region and will allow any adverse effects to be reassessed in a relatively short time frame.

9. Monitoring

The consent holder is required to install a water meter and record daily abstraction (m^3) and submit these records to GWRC on a monthly basis. In addition the consent holder is required to monitor water levels in a nearby bore and submit records to GWRC on a monthly basis.

The water take will be inspected in the first year of the consent being granted. Following this, provided the applicant is fully complying with their consent, the water take will be inspected on a three-yearly basis to check primarily whether the water meter is operating and check the rate of abstraction. Where there is non-compliance (e.g. incorrect water meter operation or no water usage data submitted or recorded) inspections will be undertaken on an annual basis until such time that a good compliance history has been established. Annual charges will be applied in accordance with the *Resource Management Charging Policy (2011)*. Charges relating to inspections are outlined in the cover letter enclosed with this report.

Application lodged:	23/10/12	Application officially received:	23/10/12
Application stopped:	05/11/12	Application started:	18/12/12
Section 37 extension from:	28/01/13	To:	13/02/13
Applicant to be notified of decision by:	13/02/13	Applicant notified of decision on:	13/02/13
Time taken to process application:	32 working days		

10. Attachment 1 WGN130085 [31970]

Water permit to take and use groundwater from an existing bore (R27/6978) located in the Upper Hutt Groundwater Zone, for bottling and retail purposes.

General condition

1. The location, design, implementation and operation of the take shall be in general accordance with the consent application and its associated plans and documents lodged with the Wellington Regional Council on 23 October 2012 and further information received on:

- 23 November 2012 (email)
- 18 December 2012 (stream depletion assessment), and
- 8 February 2012 (email with revised water level 'trigger' level)

Where there may be contradiction or inconsistencies between the application and further information provided by the applicant, the most recent information applies. In addition, where there may be inconsistencies between information provided by the applicant and conditions of the consent, the conditions apply.

Note: Any change from the location, design concepts and parameters, implementation and/or operation may require a new resource consent or a change of consent conditions pursuant to section 127 of the Resource Management Act 1991.

Rate and point of take

2. The rate at which water is taken from bore R27/6978 at or about approximate map reference NZTM: 1772082.5444731 shall not exceed 179,712m³/year, at 576m³/day at a maximum pumping rate of 10 litres/second.

Note: This equates to 16 hours/day and 312 days/year based on the maximum pumping rate.

Commencement of take

3. The consent holder shall notify the Manager, Environmental Regulation within 48 hours of the commencement of the take, as authorised by this consent.

Water measuring device/system

4. The consent holder shall install and maintain a sealed and tamper-proof water measuring device (water meter) as close as practicable to the point of take (Wells number R27/6978) **prior to the commencement of the take**. The water meter shall measure both cumulative water abstraction and the instantaneous rate of take, and be

capable of providing data in a form suitable for electronic storage. The water meter shall be calibrated to ensure that the error does not exceed +/- 5%. The water meter shall be installed and maintained by a suitably qualified person in accordance with manufacturer's specifications and industry best practice guidelines, and to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.

Water level monitoring

5. The consent holder shall install and commission water level recording equipment in the Blockhouse Lane bore (wells number R27/7149) that records continuous data at no greater than 60 minute intervals, **prior to the commencement of the take.**

The consent holder shall notify the Manager, Environmental Regulation, Wellington Regional Council, at least seven days prior to the equipment being installed, so that the current Wellington Regional Council monitoring equipment can be removed from the bore.

The water level recording equipment shall be installed and maintained by a suitably qualified person in accordance with manufacturer's specifications and to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council, for the duration of the consent.

Note 1: The consent holder can contact the Environmental Science department, Wellington Regional Council for advice about the water level recording equipment, monitoring and reporting.

Note 2: The consent holder may choose to install a dedicated tube for manual measurements of water level in the bore using a dip meter to check the accuracy of the electronic measuring system.

Water level triggers and response

6. A water level ("trigger level") in the Blockhouse Lane bore (wells number R27/7149) of at least 44.57 m above MSL shall be maintained at all times, as measured by the water level recording equipment required by condition 5.

If the water level in the Blockhouse Lane bore drops below 44.57m above MSL, the consent holder shall reduce the instantaneous pumping rate immediately and to a point whereby the water level in the bore recovers to or above 44.57m above MSL, and is maintained at or above 44.57m above MSL, and notify the Manager, Environmental Regulation, Wellington Regional Council, as soon as practicable or by the next working day.

Within **one month** of the above occurring, the consent holder shall submit a report to the Manager, Environmental Regulation, Wellington Regional Council, which analyses the cause of the water level declining. The analysis shall be undertaken by a suitably qualified and experienced person and be to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.

Note: Following an assessment of this report, the Manager, Environmental Regulation, Wellington Regional Council may review the "trigger level" in this condition.

Verification of the water measuring device/system

7. The consent holder shall verify the accuracy of the water measuring device/system required under condition 3 by **30 June in the year the take is commenced** to determine if the actual volume of water taken and water levels recorded are within +/- 5%.

After the initial verification, the consent holder shall verify the accuracy of the water measuring device/system required under condition 3 a second time by **30 June five years after the initial verification**. In the event that there are reasonable grounds established which highlight that the water measuring device/system may be inaccurate, the consent holder shall undertake further verification as directed by the Manager, Environmental Regulation, Wellington Regional Council to determine if the actual volume of water taken is within +/- 5%.

Any verification of the water meter under this condition must be performed by a suitably qualified person, that is to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.

Verification certificate

8. Within one month of any verification being undertaken on the water meter as required by condition 6, the consent holder shall submit to the Manager, Environmental Regulation, Wellington Regional Council, a copy of verification certificate/and or evidence documenting the calibration as completed by the person who undertook the verification.

Keeping and submission of records

9. The consent holder shall record **daily readings** (in m³) of the water measuring device (water meter). These records shall be submitted to the Manager, Environmental Regulation, Wellington Regional Council in a suitable electronic format on a **monthly basis** by the 10th day of the next month for the duration of this consent.

Note: In the event of non-compliance with the rate of take and/or monitoring/reporting requirements of this consent, the consent holder shall submit records at a greater frequency as directed by the Manager, Environmental Regulation, Wellington Regional Council.

10. The consent holder shall provide the water level data recorded in accordance with condition 5. The data shall be reported relative to MSL in 60 minute intervals and be submitted to the Manager, Environmental Regulation, Wellington Regional Council in a suitable electronic format on a **monthly basis** by the 10th day for the first 12 months of this consent.

Following an assessment of the first 12 months of records, the frequency of submission of records may be increased or decreased at the direction of the Manager, Environmental Regulation, Wellington Regional Council.

Monitoring

11. If so requested by the Manager, Environmental Regulation, Wellington Regional Council, the consent holder shall make their bore available for the monitoring of water quality.

Pumping test

12. If so requested by the Manager, Environmental Regulation, Wellington Regional Council, the consent holder shall undertake a pumping test on the bore (wells number R27/6978) at a rate of 10 litres/second or greater.

The consent holder shall submit a pumping test methodology to the Manager, Environmental Regulation, Wellington Regional Council at least 15 working days prior to undertaking the test. No works shall begin on the pumping test until the consent holder has received notice from the Wellington Regional Council that the methodology is acceptable.

The pumping test shall be undertaken by a suitable qualified professional and be in accordance with the Wellington Regional Council's *Aquifer Test Guidelines for the Wellington Region, August 2011*.

Note: The requirement to undertake a pumping test shall only be requested following the installation of a permanent pump in the bore.

Review conditions

13. The Wellington Regional Council may review any or all conditions of this consent by giving notice of its intention to do so pursuant to section 128 of the Resource Management Act 1991, at any time within

three months of the 30 June each year for the duration of this consent, for the purpose of:

- Reviewing seasonal groundwater allocation requirements; and/or
- Dealing with any adverse effects on the environment which may arise from the exercise of this consent, and which is appropriate to deal with at a later stage; and/or
- To review the adequacy of and/or alter any monitoring requirements so as to incorporate into the consent any monitoring or other requirements which may become necessary to clarify or deal with any adverse effect on the environment of arising from this activity; and /or
- Enabling consistency with the relevant Regional Plan(s)

Important notes relating to measuring and reporting of your water take:

1. The Resource Management (Measuring and Reporting of Water Takes) Regulations 2010 came into effect on 10 November 2010.

The standards for water measuring devices are specified in Regulation 6(6). If a water meter cannot be installed on the point of take, approval is required from Wellington Regional Council in accordance with Regulation 10.

The Regulations require that daily records of water use are kept unless approval is provided from Wellington Regional Council to keep weekly records in accordance with Regulation 9. If you are not using your water permit, you must still keep and send Wellington Regional Council daily records specifying 'zero' when no water is taken.

2. A suitably qualified person is an individual/company that is registered with the Water Measurement and Reporting Industry Accreditation Program or can demonstrate an appropriate standard of installation or verification to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.
3. Where industry best practice guidelines differ from manufacturer's specifications, the more stringent standard applies, unless special circumstances apply to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council. Therefore, verification of the water measuring device/system can only be achieved when the most stringent standard (either industry best practice or manufacturer's specifications) for installation has been achieved.
4. A suitable electronic format for supplying records is one which is compatible with Wellington Regional Council's Water Use Data Management System, unless special circumstances apply to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.

5. Records and can be sent to notifications@gw.govt.nz. Please include the consent reference WGN130085 and the name and phone number of a contact person for the take. If it is not possible to provide results in an electronic spreadsheet format please contact Wellington Regional Council prior to the irrigation season to make alternative arrangements.
6. The annual take volume shall be assessed for the period 1 July to 30 June the following year.

General notes:

- a) This resource consent does not guarantee that quantity or quality of water will be maintained or available.
- b) Please contact the Wellington Regional Council, Environmental Regulation, if you plan to make any modifications to the bore, pump, or irrigation system. Any significant modifications may require you to apply for a change of consent conditions.
- c) A resource management charge, set in accordance with section 36(2) of the Resource Management Act 1991 shall be paid to the Regional Council for the carrying out of its functions in relation to the administration, monitoring, and supervision of resource consents and for the carrying out of its functions under section 35 (duty to gather information, monitor, and keep records) of the Act.
- d) The Wellington Regional Council shall be entitled to recover from the consent holder the costs of any review, calculated in accordance with and limited to the Council's scale of charges in force and applicable at that time pursuant to section 36 of the Resource Management Act 1991.
- e) In the event of undue interference with other bores/wells in the area and/or a long term sustained decline in groundwater levels becomes apparent through groundwater level monitoring undertaken in the aquifer where bore R27/6978 is located, the consent holder may be requested to reduce or stop pumping as maybe directed by the Manager, Environmental Regulation, Wellington Regional Council. Undue interference is defined as drawdown in neighbouring bores/wells that was not evaluated at the time the resource consent was processed.

COPY

File No: WGN130085 [31970]
13 February 2013

Heretaunga Water Limited
C/- Beca Carter Hollings & Ferner Limited
PO Box 3942
Wellington 6140

For: Nathan Baker

Dear Nathan

WGN130085 [31970] non-notified resource consent application: notice of decision

<i>Applicant:</i>	<i>Heretaunga Water Limited</i>
<i>Proposal:</i>	<i>To take and use groundwater from an existing bore located in the Upper Hutt groundwater zone for bottling and retail purposes.</i>
<i>Location:</i>	<i>1-5 Refreshment Place, Upper Hutt</i>
<i>Resource consent required:</i>	<i>Water permit</i>

I am pleased to inform you that on **13 February 2013** your client's application was granted. I have enclosed a copy of the report outlining the reasons for this decision and the consent certificate¹. If you or your client has any questions or concerns about any aspect of the consent, I would be happy to discuss them with you or your client.

Your client may commence the water take immediately, provided they are prepared to comply with all the consent conditions. **In particular please note the following:**

- Condition 3 requires your client to notify the Environmental Regulation Department of the Greater Wellington Regional Council (GWRC) within 48 hours of the commencement of the water take.
- Condition 4 requires a water measuring device to be installed prior to the commencement of the take.
- Condition 5 requires water level monitoring equipment to be installed and commissioned in the Blockhouse Lane bore prior to the commencement of the take.
- Condition 6 sets water level monitoring "trigger levels" and actions if reached.

¹ You have the right to object to our decision under section 357(2) of the Resource Management Act 1991. Your objection must be in writing and be made within 15 working days of receiving this letter.

- Condition 7 requires the water measuring device to be verified by 30 June in the year the take is commenced and condition 8 requires the submission of the verification certificate to the GWRC.
- Condition 9 and 10 require the submission of records to the GWRC on a monthly basis.

Extension of processing timeframes

As discussed, GWRC would like to extend the time period for the following reasons:

- To allow time for you and your client to comment on draft consent conditions, and
- To allow additional consultation and negotiation to achieve an environmentally acceptable result

Under section 37A(5)(a) GWRC requires your agreement to this extension to time (as agreed to in your email dated 23 January 2013).

I enclose a certificate giving the statutory details of the time limit extension for your records. Please sign the certificate and copy and return the copy to GWRC by **6 March 2013**.

As part of GWRC's commitment to maintain and improve our customer service, you may be contacted to take part in a customer satisfaction survey. Regardless, feedback on the service we provide is welcome at any time.

Charges to expect

1. Costs incurred in processing your client's application

An invoice will follow shortly for the costs incurred in processing your client's application. This charge is reduced by the application fee already paid. The breakdown of the costs is as follows:

Consent processing time: 24 hours @ \$110/hour	\$ 2,640.00	
Groundwater Scientist time: 8.5 hours @ \$110/hour	\$ 935.00	
Less application fee	\$ (1,320.00)	
	<hr/>	
Subtotal	\$ 2,255.00	
GST	\$ 338.25	
	<hr/>	
Additional consent processing charge	\$ 2,593.25	(Invoiced shortly)

2. Estimated annual consent monitoring and service charges

Because your client's consent has on-going environmental effects the Greater Wellington Regional Council will monitor the activity for compliance with the consent conditions until

your client's consent expires. An explanation of the components of your client's annual charge can be found at the end of this letter.

Consent ID	[31970]
Customer service fee	\$ 40.00
Compliance monitoring charge	\$ 385.00
State of the environment monitoring charge	\$ 60.00
<hr/>	
Annual charge	\$ 485.00
GST	\$ 72.75
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Total annual monitoring charge due	\$ 557.75 (Invoiced in 12 months time)

The Resource Management Charging Policy is reviewed on an annual basis. As a result of this process the charges associated with the monitoring of your client's consent may alter – your client will be informed if this is the case.

Consent duration

Your client's consent expires on **13 February 2023**. We will send you a reminder letter prior to the expiry date so that your client may apply for a new one.

Please note that, under section 125 of the Resource Management Act 1991 (as amended in 2003), your consent will lapse in five years unless you begin to use it before this date.

Consent transfers

If your client sells or transfer management of the property, it is important that they complete a Transfer of Permit form so that future owners can take responsibility for the consent. If your client does not complete a transfer, they will continue to be liable for the annual consent monitoring and service charges associated with the consent.

Please feel free to contact me on 04 830 4015 or Jeremy Rusbatch, Team Leader, Environmental Regulation, if you have any questions or concerns.

Yours sincerely



Malory Osmond
Resource Advisor, Environmental Regulation

Encl: Officers report, consent certificate and s37 certificates (x2)

Components of your annual charge

Your charge is made up of several components. These components do not necessarily apply to all consents, so you may have only one or two of the following on your invoice:

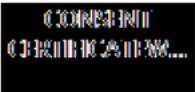
- **Customer Service Charge:** This charge applies to all consents. It covers administrative services such as providing information and advice about your consent, maintaining your consent as a public record and recording changes in consent status (for example, if you surrender your consent or transfer it to another person).
- **Compliance Monitoring Charge:** The purpose of compliance monitoring is to confirm that you are meeting the conditions of your consent(s). To do this, we will undertake a site visit to assess your operations compliance with the conditions and report our results back to you. Your compliance monitoring is tailored to your individual circumstances. You pay only for the cost of monitoring your consent.
- **State of the Environment Monitoring Charge (SOE Charge):** The Greater Wellington Regional Council undertakes a wide range of monitoring to assess the state of the environment. For those catchments identified as being under stress, a small proportion of the monitoring costs is passed on to the consent holders (who hold consents in that stressed catchment). The amount you pay for state of the environment monitoring is proportional to the amount of water you take or contaminants you discharge.

Ainslee Brown

From: Malory Osmond
Sent: Thursday, 28 February 2013 4:23 PM
To: 'Teri Puketapu'
Subject: Consent certificate for Heretaunga Water Ltd

Hi Teri,

Here is the consent certificate for the Upper Hutt water take you are interested in.



Kind regards

Malory Osmond | Senior Resource Advisor, Environmental Regulation
GREATER WELLINGTON REGIONAL COUNCIL
Te Pane Matua Taiao
142 Wakefield Street | PO Box 11646, Manners Street, Wellington 6142
T: 04 830 4015 | www.gw.govt.nz

#1171567

Malory Osmond

From: Malory Osmond
Sent: Wednesday, 13 February 2013 8:00 a.m.
To: 'Nathan Baker'
Subject: Heretaunga conditions

Hi Nathan,

Here is the slightly revised monitoring condition - with amendments to the reporting component. I believe the intent is the same. Give me a call when you get in.

Water level triggers and response

6. A water level ("trigger level") in the Blockhouse Lane bore (wells number R27/7149) of at least 44.57 m above MSL shall be maintained at all times, as measured by the water level recording equipment required by condition 5.

If the water level in the Blockhouse Lane bore drops below 44.57m above MSL, the consent holder shall reduce the instantaneous pumping rate immediately and to a point whereby the water level in the bore recovers to or above 44.57m above MSL, and is maintained at or above 44.57m above MSL, and notify the Manager, Environmental Regulation, Wellington Regional Council, as soon as practicable or by the next working day.

Within **one month** of the above occurring, the consent holder shall submit a report to the Manager, Environmental Regulation, Wellington Regional Council, which analyses the cause of the water level declining. The analysis shall be undertaken by a suitably qualified and experienced person and be to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.

Note: Following an assessment of this report, the Manager, Environmental Regulation, Wellington Regional Council may review the "trigger level" in this condition.

From: Nathan Baker [REDACTED]
Sent: Tuesday, 12 February 2013 3:57 p.m.
To: Malory Osmond
Subject: RE: Kapiti Water

Thanks – yep talk tomorrow!

Nathan Baker

Manager - Wellington Planning

Beca

DDI +64-4-471-5508 Fax +64-4-473-7911

Mobile: 027 242 0764

nathan.baker@beca.com

www.beca.com

From: Malory Osmond [mailto:Malory.Osmond@gw.govt.nz]
Sent: Tuesday, 12 February 2013 3:48 p.m.
To: Nathan Baker
Subject: RE: Kapiti Water

Hi Nathan,

Just got back to my desk and have to leave for the day in a few minutes - but I've made a couple of changes to the monitoring condition and just got it back from review. Had intended to send this too you to check... but they don't change the trigger levels or intent of the condition.

Perhaps I can ring you first thing, just to check over the phone. If all ok, the consent can be issued on Thursday (or tomorrow if I can sweet talk two people, but absolutely no promises there).

Regards

Malory Osmond | Senior Resource Advisor, Environmental Regulation
GREATER WELLINGTON REGIONAL COUNCIL
Te Pane Matua Taiao
142 Wakefield Street | PO Box 11646, Manners Street, Wellington 6142
T: 04 830 4015 | www.gw.govt.nz

From: Nathan Baker [REDACTED]
Sent: Tuesday, 12 February 2013 1:53 p.m.
To: Malory Osmond
Subject: RE: Kapiti Water

Thanks.

Any chance Heretaunga can be issued today/ tomorrow – I'm getting hounded for that!

Nathan Baker
Manager - Wellington Planning
Beca

[REDACTED]
[REDACTED]
[REDACTED]
www.beca.com

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Nathan Baker
Manager - Wellington Planning
Beca
[REDACTED]
[REDACTED]
[REDACTED]
www.beca.com

From: Malory Osmond [mailto:Malory.Osmond@gw.govt.nz]
Sent: Monday, 11 February 2013 3:03 p.m.
To: Nathan Baker
Subject: RE: Kapiti Water

Hi Nathan,

Sorry I couldn't get this to you for your 10.30 meeting this morning.

13/02/2013

Here is our initial response. There are a few issues/questions that require further discussion with our hydrologist, Mike Thompson. This could be a phone call between the appropriate Beca person and Mike, or we could arrange a meeting, sometime soon that suits. Let me know.

Following my chat with Phil Stroud today, I think it would be helpful if I put together an email outlining the next stages in the process and timeframes. Will get this to you shortly.

Regards

Malory Osmond | Senior Resource Advisor, Environmental Regulation

GREATER WELLINGTON REGIONAL COUNCIL

Te Pane Matua Taiao

142 Wakefield Street | PO Box 11646, Manners Street, Wellington 6142

T: 04 830 4015 | www.gw.govt.nz

From: Nathan Baker [REDACTED]
Sent: Monday, 11 February 2013 9:31 a.m.
To: Malory Osmond
Subject: Kapiti Water

Hi Malory – if poss please email me through your response to our draft response (and just note Alton will follow asap) – I've got a 1030 meeting to discuss formal response.

Thanks

Nathan Baker

Manager - Wellington Planning

Beca

[REDACTED]
[REDACTED]
[REDACTED]
www.beca.com

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13/02/2013

Malory Osmond

From: Nathan Baker [REDACTED]
Sent: Friday, 8 February 2013 2:58 p.m.
To: Malory Osmond
Cc: Mark Utting
Subject: NZ1-6988908-Revised Consent Conditions for the Heretaunga Well.docm
Follow Up Flag: Follow up
Flag Status: Red
Attachments: NZ1-6988908-Revised Consent Conditions for the Heretaunga Well.docm

Malory – please find attached the conditions as agreed between Mark and Doug.
Look forward to a draft notice of decision shortly for a once over before you issue formally.
Please pass on my thanks to Doug for working with Mark constructively on a workable set of conditions.

Nathan Baker

Manager - Wellington Planning
Beca

[REDACTED]
[REDACTED]
[REDACTED]

www.beca.com

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General condition

1. The location, design, implementation and operation of the take shall be in general accordance with the consent application and its associated plans and documents lodged with the Wellington Regional Council on 23 October 2012 and further information received on:
 - 23 November 2012 (email), and
 - 17 December 2012 (stream depletion assessment)
 - 4 February 2013 Water Level and drawdown interference plots

Where there may be contradiction or inconsistencies between the application and further information provided by the applicant, the most recent information applies. In addition, where there may be inconsistencies between information provided by the applicant and conditions of the consent, the conditions apply.

Note: Any change from the location, design concepts and parameters, implementation and/or operation may require a new resource consent or a change of consent conditions pursuant to section 127 of the Resource Management Act 1991.

Rate and point of take

2. The rate at which water is taken from bore R27/6978 at or about approximate map reference NZTM: 1772082.5444731 shall not exceed 179,712m³/year, at 576m³/day at a maximum pumping rate of 10 litres/second.

Note: This equates to 16 hours/day and 312 days/year based on the maximum pumping rate.

Commencement of take

3. The consent holder shall notify the Manager, Environmental Regulation within 48 hours of the commencement of the take, as authorised by this consent.

Water measuring device/system

4. The consent holder shall install and maintain a sealed and tamper-proof water measuring device (water meter) as close as practicable to the point of take (Wells number R27/6978) **prior to the commencement of the take**. The water meter shall measure both cumulative water abstraction and the instantaneous rate of take, and be capable of providing data in a form suitable for electronic storage. The water meter shall be calibrated to ensure that the error does not exceed +/- 5%. The water meter shall be installed and maintained by a suitably qualified person in accordance with manufacturer's specifications and industry best practice guidelines, and to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.

Water level monitoring

5. The consent holder shall install water level recording equipment in the Blockhouse Lane bore (wells number R27/7149) that records continuous data at no greater than 60 minute intervals, prior to the commencement of the take.

The consent holder shall notify the Manager, Environmental Regulation, Wellington Regional Council, at least seven days prior to the equipment being installed, so that the current Wellington Regional Council monitoring equipment can be removed from the bore.

The water level recording equipment shall be installed and maintained by a suitably qualified person in accordance with manufacturer's specifications and to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council, for the duration of the consent.

Note: The consent holder can contact the Environmental Science department, Wellington Regional Council for advice about the water level recording equipment, monitoring and reporting.

Water level triggers and response

6. A water level ("trigger level") in the Blockhouse Lane bore (well number R27/7149) of at least 44.57 m above MSL (AMSL) shall be maintained at all times, as measured by the water level recording equipment required by condition 4.

If the water level in the Blockhouse Lane bore drops below 44.57 m AMSL, the consent holder shall reduce the instantaneous pumping rate immediately and to a point whereby the water level in the bore recovers to or above 44.57 m AMSL and is maintained at or above 44.57 m above MSL, and notify the Manager, Environmental Regulation, Wellington Regional Council, as soon as practicable and within 1 business day.

A hydrogeologic analysis of the pumping, water level and climatic data will then be undertaken by a qualified hydrogeologic consultant to assess the cause of the water level declining to the trigger level of 44.57 m AMSL in the Blockhouse Lane bore and if the decline is not solely caused by the pumping of the Heretaunga well, then a revised trigger level incorporating the additional cause of the decline shall be developed in consultation with GWRC.

If a new trigger level is established, then the trigger levels stated above shall be replaced by the revised trigger level.

Note: The Wellington Regional Council monitoring of water levels in the Heretaunga/Refreshment Place/Coca-Cola/Unibag well for the period August 2006 to October 2012 has recorded a minimum natural water level in the bore as 45.61m above MSL. Because the Blockhouse Land well lies 153 m from the Heretaunga well we assume a minimum, non-pumping water level of 45.60 m

AMSL for the Blockhouse (similar in elevation, within about 100 mm, to that of the Heretaunga well). The trigger level of 44.30 m AMSL is based on the assumed minimum water level of 45.60 m AMSL, minus the predicted worst-case, 1-year, average pumping rate (5.7 L/s) interference drawdown of 0.45 m, minus the predicted worst-case, 16 hour peak pumping rate (10 L/s) interference drawdown of 0.08m, minus 0.5 m for climatic variation.

Verification of the water measuring device/system

7. The consent holder shall verify the accuracy of the water measuring device/system required under condition 3 by **30 June in the year the take is commenced** to determine if the actual volume of water taken and water levels recorded are within +/- 5%.

After the initial verification, the consent holder shall verify the accuracy of the water measuring device/system required under condition 3 a second time by **30 June five years after the initial verification**. In the event that there are reasonable grounds established which highlight that the water measuring device/system may be inaccurate, the consent holder shall undertake further verification as directed by the Manager, Environmental Regulation, Wellington Regional Council to determine if the actual volume of water taken is within +/- 5%.

Any verification of the water meter under this condition must be performed by a suitably qualified person, that is to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.

Verification certificate

8. Within one month of any verification being undertaken on the water meter as required by condition 6, the consent holder shall submit to the Manager, Environmental Regulation, Wellington Regional Council, a copy of verification certificate/and or evidence documenting the calibration as completed by the person who undertook the verification.

Keeping and submission of records

9. The consent holder shall record daily readings (in m³) of the water measuring device (water meter). These records shall be submitted to the Manager, Environmental Regulation, Wellington Regional Council in a suitable electronic format on a monthly basis by the 10th day of the next month for the duration of this consent.

In the event of non-compliance with the rate of take and/or monitoring/reporting requirements of this consent, the consent holder shall submit records at a greater frequency as directed by the Manager, Environmental Regulation, Wellington Regional Council.

10. The consent holder shall provide the water level data recorded in accordance with condition 4. The data shall be reported relative to MSL in 15 minute intervals and be submitted to the Manager, Environmental Regulation, Wellington Regional Council in a suitable electronic format on a monthly basis by the 10th day for the first 12 months of this consent.

Following an assessment of the first 12 months of records, the frequency of submission of records may be increased or decreased at the direction of the Manager, Environmental Regulation, Wellington Regional Council.

Bore construction survey

11. ~~Prior to the installation of a new pump, the consent holder shall undertake a down hole video survey of the bore to verify the bore construction details and bore condition.~~

~~The results of the survey, including an assessment of this undertaken by a suitably qualified and experienced person, shall be provided to the Manager, Environmental Regulation, Wellington Regional Council, within one month of the survey being completed.~~

Monitoring

12. If so requested by the Manager, Environmental Regulation, Wellington Regional Council, the consent holder shall make their bore available for the monitoring of water quality.

Pumping test

13. If so requested by the Manager, Environmental Regulation, Wellington Regional Council, the consent holder shall undertake a pumping test on the bore (well number R27/6978) at a rate of 10 litres/second or greater.

~~The test shall only be requested after the permanent production pump, flow meter and water level measurement equipment have been installed.~~

The consent holder shall submit a pumping test methodology to the Manager, Environmental Regulation, Wellington Regional Council at least 15 working days prior to undertaking the test. No works shall begin on the pumping test until the consent holder has received notice from the Wellington Regional Council that the methodology is acceptable.

The pumping test shall be undertaken by a suitable qualified professional and be in accordance with the Wellington Regional Council's *Aquifer Test Guidelines for the Wellington Region, August 2011*.

Review conditions

14. The Wellington Regional Council may review any or all conditions of this consent by giving notice of its intention to do so pursuant to section 128 of the Resource

Management Act 1991, at any time within three months of the 30 June each year for the duration of this consent, for the purpose of:

- Reviewing seasonal groundwater allocation requirements; and/or
- Dealing with any adverse effects on the environment which may arise from the exercise of this consent, and which is appropriate to deal with at a later stage; and/or
- To review the adequacy of and/or alter any monitoring requirements so as to incorporate into the consent any monitoring or other requirements which may become necessary to clarify or deal with any adverse effect on the environment of arising from this activity; and /or
- Enabling consistency with the relevant Regional Plan(s)

Important notes relating to measuring and reporting of your water take:

1. The Resource Management (Measuring and Reporting of Water Takes) Regulations 2010 came into effect on 10 November 2010.

The standards for water measuring devices are specified in Regulation 6(6). If a water meter cannot be installed on the point of take, approval is required from Wellington Regional Council in accordance with Regulation 10.

The Regulations require that daily records of water use are kept unless approval is provided from Wellington Regional Council to keep weekly records in accordance with Regulation 9. If you are not using your water permit, you must still keep and send Wellington Regional Council daily records specifying 'zero' when no water is taken.

2. A suitably qualified person is an individual/company that is registered with the Water Measurement and Reporting Industry Accreditation Program or can demonstrate an appropriate standard of installation or verification to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.
3. Where industry best practice guidelines differ from manufacturer's specifications, the more stringent standard applies, unless special circumstances apply to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council. Therefore verification of the water measuring device/system can only be achieved when the most stringent standard (either industry best practice or manufacturer's specifications) for installation has been achieved.
4. A suitable electronic format for supplying records is one which is compatible with Wellington Regional Council's Water Use Data Management System, unless special circumstances apply to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.
5. Records can be sent to notifications@gw.govt.nz. Please include the consent reference WGN130085 and the name and phone number of a contact person for the take. If it is not possible to provide results in an electronic spreadsheet format please

contact Wellington Regional Council prior to the irrigation season to make alternative arrangements.

6. The annual take volume shall be assessed for the period 1 July to 30 June the following year.

General notes:

- a) This resource consent does not guarantee that quantity or quality of water will be maintained or available.
- b) Please contact the Wellington Regional Council, Environmental Regulation, if you plan to make any modifications to the bore, pump, or irrigation system. Any significant modifications may require you to apply for a change of consent conditions.
- c) A resource management charge, set in accordance with section 36(2) of the Resource Management Act 1991 shall be paid to the Regional Council for the carrying out of its functions in relation to the administration, monitoring, and supervision of resource consents and for the carrying out of its functions under section 35 (duty to gather information, monitor, and keep records) of the Act.
- d) The Wellington Regional Council shall be entitled to recover from the consent holder the costs of any review, calculated in accordance with and limited to the Council's scale of charges in force and applicable at that time pursuant to section 36 of the Resource Management Act 1991.
- e) In the event of undue interference with other bores/wells in the area and/or a long term sustained decline in groundwater levels becomes apparent through groundwater level monitoring undertaken in the aquifer where bore R27/6978 is located, the consent holder may be requested to reduce or stop pumping as maybe directed by the Manager, Environmental Regulation, Wellington Regional Council. Undue interference is defined as drawdown in neighbouring bores/wells that was not evaluated at the time the resource consent was processed.

General condition

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R27/6978
applicant's
bore

rounded
from 45.61

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3. Where industry best practice guidelines differ from manufacturer's specifications, the more stringent standard applies, unless special circumstances apply to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council. Therefore verification of the water measuring device/system can only be achieved when the most stringent standard (either industry best practice or manufacturer's specifications) for installation has been achieved.
4. A suitable electronic format for supplying records is one which is compatible with Wellington Regional Council's Water Use Data Management System, unless special circumstances apply to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.
5. Records and can be sent to notifications@gw.govt.nz. Please include the consent reference WGN130085 and the name and phone number of a contact person for the take. If it is not possible to provide results in an electronic spreadsheet format please

contact Wellington Regional Council prior to the irrigation season to make alternative arrangements.

6. The annual take volume shall be assessed for the period 1 July to 30 June the following year.

General notes:

- a) This resource consent does not guarantee that quantity or quality of water will be maintained or available.
- b) Please contact the Wellington Regional Council, Environmental Regulation, if you plan to make any modifications to the bore, pump, or irrigation system. Any significant modifications may require you to apply for a change of consent conditions.
- c) A resource management charge, set in accordance with section 36(2) of the Resource Management Act 1991 shall be paid to the Regional Council for the carrying out of its functions in relation to the administration, monitoring, and supervision of resource consents and for the carrying out of its functions under section 35 (duty to gather information, monitor, and keep records) of the Act.
- d) The Wellington Regional Council shall be entitled to recover from the consent holder the costs of any review, calculated in accordance with and limited to the Council's scale of charges in force and applicable at that time pursuant to section 36 of the Resource Management Act 1991.
- e) In the event of undue interference with other bores/wells in the area and/or a long term sustained decline in groundwater levels becomes apparent through groundwater level monitoring undertaken in the aquifer where bore R27/6978 is located, the consent holder may be requested to reduce or stop pumping as maybe directed by the Manager, Environmental Regulation, Wellington Regional Council. Undue interference is defined as drawdown in neighbouring bores/wells that was not evaluated at the time the resource consent was processed.

1170690

Malory Osmond

From: Nathan Baker [REDACTED]
Sent: Friday, 8 February 2013 11:36 a.m.
To: Malory Osmond
Subject: Please ring my mobile when youre back
Follow Up Flag: Follow up
Flag Status: Red

2 things to discuss:

1. Heretaunga: understand the Mark and Doug have reached technical agreement around final monitoring condition – hopefully can be issued v soon!
2. Kapiti Water – just checking your review of our draft response for feedback on acceptability to inform our formal response – still on track for Monday?

Thanks

Nathan Baker

Manager - Wellington Planning

Beca
[REDACTED]
[REDACTED]
[REDACTED]

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11/02/2013

Ainslee Brown

From: Doug Mzila
Sent: Tuesday, 5 February 2013 3:40 PM
To: Malory Osmond
Subject: FW: Heretaunga Consent Monitoring
Attachments: February Revised Consent Conditions for the Heretaunga Well.pdf; GWRC Upper Hutt WL Plots.pdf; Predicted DD 16 hr Q 10 Lps at Blockhouse Well.pdf; Predicted DD Q 5.7 Lps at Blockhouse Well.pdf

Thanks

Doug

Dr Doug Mzila | Senior Environmental Scientist-Groundwater

GREATER WELLINGTON REGIONAL COUNCIL
Te Pane Matua Taiao

142 Wakefield St | PO Box 11646, Manners St, Wellington 6142

T: 04 830 4019 | www.gw.govt.nz

From: Mark Utting [REDACTED]
Sent: Monday, 4 February 2013 4:52 p.m.
To: Doug Mzila
Cc: Nathan Baker
Subject: Heretaunga Consent Monitoring

Hi Doug

I've analysed the WL data I was sent on Friday and have come up with some monitoring wordings. These are included in the attachment (along with the logic for their development).

I'm also attaching the WL graphs and predicted drawdown plots generated using Aqtesolv. These Aqtesolv plots use the same set up we used in the pumping test analyses that include a channelized aquifer with no-flow boundaries for the greywacke valley sides and the two values for transmissivity: the 1500 m²/day from the pumping test and the 28,000 m²/day high-end value from the multiday pumping test at the college as presented in the MWH report. I'm also suggesting that we record water levels at 60 minute intervals and not 15 minute intervals to simplify data analyses. Because the aquifer is unconfined and the Blockhouse Lane well is 157 m away, there will not be instantaneous response such that 60 minute intervals should be just fine. The drawdown analyses are based on the two T's, assume that over one year the well will be pumped continuously at the maximum average under the consent (5.7 L/s averaged over the year) followed by a 16 hour at the peak rate of 10 L/s.

I'm also proposing that the requirement for a CCTV survey be dropped from the consent. The survey is still going to be recommended to the client but should not be a condition of consent considering: a) the well has been consented several times in the past without such a survey, b) such a condition will not make any difference in the effects on the environment, only on pump placement and the operation of the well.

Please review so that we can discuss, come to an agreement on levels and wording and then propose wording to Mallory that you have already seen and agree with.

Thanks
Mark

Mark Utting

Senior Hydrogeologist
Beca

[Redacted]
[Redacted]
[Redacted]
[Redacted]

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General condition

1. The location, design, implementation and operation of the take shall be in general accordance with the consent application and its associated plans and documents lodged with the Wellington Regional Council on 23 October 2012 and further information received on:
 - 23 November 2012 (email), and
 - 17 December 2012 (stream depletion assessment)
 - XX Water Level and drawdown interference plots

Where there may be contradiction or inconsistencies between the application and further information provided by the applicant, the most recent information applies. In addition, where there may be inconsistencies between information provided by the applicant and conditions of the consent, the conditions apply.

Note: Any change from the location, design concepts and parameters, implementation and/or operation may require a new resource consent or a change of consent conditions pursuant to section 127 of the Resource Management Act 1991.

Rate and point of take

2. The rate at which water is taken from bore R27/6978 at or about approximate map reference NZTM: 1772082.5444731 shall not exceed 179,712m³/year, at 576m³/day at a maximum pumping rate of 10 litres/second.

Note: This equates to 16 hours/day and 312 days/year based on the maximum pumping rate.

Commencement of take

3. The consent holder shall notify the Manager, Environmental Regulation within 48 hours of the commencement of the take, as authorised by this consent.

Water measuring device/system

4. The consent holder shall install and maintain a sealed and tamper-proof water measuring device (water meter) as close as practicable to the point of take (Wells number R27/6978) **prior to the commencement of the take**. The water meter shall measure both cumulative water abstraction and the instantaneous rate of take, and be capable of providing data in a form suitable for electronic storage. The water meter shall be calibrated to ensure that the error does not exceed +/- 5%. The water meter shall be installed and maintained by a suitably qualified person in accordance with manufacturer's specifications and industry best practice guidelines, and to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.

Water level monitoring

5. The consent holder shall install water level recording equipment in the Blockhouse Lane bore (wells number R27/7149) that records continuous data at no greater than 60 minute intervals, **prior to the commencement of the take.**

The consent holder shall notify the Manager, Environmental Regulation, Wellington Regional Council, at least seven days prior to the equipment being installed, so that the current Wellington Regional Council monitoring equipment can be removed from the bore.

The water level recording equipment shall be installed and maintained by a suitably qualified person in accordance with manufacturer's specifications and to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council, for the duration of the consent.

Note: The consent holder can contact the Environmental Science department, Wellington Regional Council for advice about the water level recording equipment, monitoring and reporting.

Water level triggers and response

6. A water level ("trigger level") in the Blockhouse Lane bore (well number R27/7149) of at least 44.57 m above MSL (AMSL) shall be maintained at all times, as measured by the water level recording equipment required by condition 4.

If the water level in the Blockhouse Lane bore drops below 44.57 m AMSL, the consent holder shall reduce the instantaneous pumping rate immediately and to a point whereby the water level in the bore recovers to or above 44.57 m AMSL and is maintained at or above 44.57 m above MSL, and notify the Manager, Environmental Regulation, Wellington Regional Council, as soon as practicable and within 1 business day.

A hydrogeologic analysis of the pumping, water level and climatic data will then be undertaken by a qualified hydrogeologic consultant to assess the cause of the water level declining to the trigger level of 44.57 m AMSL in the Blockhouse Lane bore and if the decline is not solely caused by the pumping of the Heretaunga well, than a revised trigger level incorporating the additional cause of the decline shall be developed in consultation with GWRC.

If a new trigger level is established, then the trigger levels stated above shall be replaced by the revised trigger level.

Note: The Wellington Regional Council monitoring of water levels in the Heretaunga/Refreshment Place/Coca-Cola/Unibag well for the period August 2006 to October 2012 has recorded a minimum natural water level in the bore as 45.61m above MSL. Because the Blockhouse Land well lies 153 m from the Heretaunga well we assume a minimum, non-pumping water level of 45.60 m

AMSL for the Blockhouse (similar in elevation, within about 100 mm, to that of the Heretaunga well). The trigger level of 44.30 m AMSL is based on the assumed minimum water level of 45.60 m AMSL, minus the predicted worst-case, 1-year, average pumping rate (5.7 L/s) interference drawdown of 0.45 m, minus the predicted worst-case, 16 hour peak pumping rate (10 L/s) interference drawdown of 0.08m, minus 0.5 m for climatic variation.

Verification of the water measuring device/system

7. The consent holder shall verify the accuracy of the water measuring device/system required under condition 3 by **30 June in the year the take is commenced** to determine if the actual volume of water taken and water levels recorded are within +/- 5%.

After the initial verification, the consent holder shall verify the accuracy of the water measuring device/system required under condition 3 a second time by **30 June five years after the initial verification**. In the event that there are reasonable grounds established which highlight that the water measuring device/system may be inaccurate, the consent holder shall undertake further verification as directed by the Manager, Environmental Regulation, Wellington Regional Council to determine if the actual volume of water taken is within +/- 5%.

Any verification of the water meter under this condition must be performed by a suitably qualified person, that is to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.

Verification certificate

8. Within one month of any verification being undertaken on the water meter as required by condition 6, the consent holder shall submit to the Manager, Environmental Regulation, Wellington Regional Council, a copy of verification certificate/and or evidence documenting the calibration as completed by the person who undertook the verification.

Keeping and submission of records

9. The consent holder shall record daily readings (in m³) of the water measuring device (water meter). These records shall be submitted to the Manager, Environmental Regulation, Wellington Regional Council in a suitable electronic format on a monthly basis by the 10th day of the next month for the duration of this consent.

In the event of non-compliance with the rate of take and/or monitoring/reporting requirements of this consent, the consent holder shall submit records at a greater frequency as directed by the Manager, Environmental Regulation, Wellington Regional Council.

10. The consent holder shall provide the water level data recorded in accordance with condition 4. The data shall be reported relative to MSL in 15 minute intervals and be submitted to the Manager, Environmental Regulation, Wellington Regional Council in a suitable electronic format on a monthly basis by the 10th day for the first 12 months of this consent.

Following an assessment of the first 12 months of records, the frequency of submission of records may be increased or decreased at the direction of the Manager, Environmental Regulation, Wellington Regional Council.

Bore construction survey

11. ~~Prior to the installation of a new pump, the consent holder shall undertake a down hole video survey of the bore to verify the bore construction details and bore condition.~~

~~The results of the survey, including an assessment of this undertaken by a suitably qualified and experienced person, shall be provided to the Manager, Environmental Regulation, Wellington Regional Council, within one month of the survey being completed.~~

Monitoring

12. If so requested by the Manager, Environmental Regulation, Wellington Regional Council, the consent holder shall make their bore available for the monitoring of water quality.

Pumping test

13. If so requested by the Manager, Environmental Regulation, Wellington Regional Council, the consent holder shall undertake a pumping test on the bore (well number R27/6978) at a rate of 10 litres/second or greater.

~~The test shall only be requested after the permanent production pump, flow meter and water level measurement equipment have been installed.~~

The consent holder shall submit a pumping test methodology to the Manager, Environmental Regulation, Wellington Regional Council at least 15 working days prior to undertaking the test. No works shall begin on the pumping test until the consent holder has received notice from the Wellington Regional Council that the methodology is acceptable.

The pumping test shall be undertaken by a suitable qualified professional and be in accordance with the Wellington Regional Council's *Aquifer Test Guidelines for the Wellington Region, August 2011*.

Review conditions

14. The Wellington Regional Council may review any or all conditions of this consent by giving notice of its intention to do so pursuant to section 128 of the Resource

Management Act 1991, at any time within three months of the 30 June each year for the duration of this consent, for the purpose of:

- Reviewing seasonal groundwater allocation requirements; and/or
- Dealing with any adverse effects on the environment which may arise from the exercise of this consent, and which is appropriate to deal with at a later stage; and/or
- To review the adequacy of and/or alter any monitoring requirements so as to incorporate into the consent any monitoring or other requirements which may become necessary to clarify or deal with any adverse effect on the environment of arising from this activity; and /or
- Enabling consistency with the relevant Regional Plan(s)

Important notes relating to measuring and reporting of your water take:

1. The Resource Management (Measuring and Reporting of Water Takes) Regulations 2010 came into effect on 10 November 2010.

The standards for water measuring devices are specified in Regulation 6(6). If a water meter cannot be installed on the point of take, approval is required from Wellington Regional Council in accordance with Regulation 10.

The Regulations require that daily records of water use are kept unless approval is provided from Wellington Regional Council to keep weekly records in accordance with Regulation 9. If you are not using your water permit, you must still keep and send Wellington Regional Council daily records specifying 'zero' when no water is taken.

2. A suitably qualified person is an individual/company that is registered with the Water Measurement and Reporting Industry Accreditation Program or can demonstrate an appropriate standard of installation or verification to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.
3. Where industry best practice guidelines differ from manufacturer's specifications, the more stringent standard applies, unless special circumstances apply to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council. Therefore verification of the water measuring device/system can only be achieved when the most stringent standard (either industry best practice or manufacturer's specifications) for installation has been achieved.
4. A suitable electronic format for supplying records is one which is compatible with Wellington Regional Council's Water Use Data Management System, unless special circumstances apply to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council.
5. Records can be sent to notifications@gw.govt.nz. Please include the consent reference WGN130085 and the name and phone number of a contact person for the take. If it is not possible to provide results in an electronic spreadsheet format please

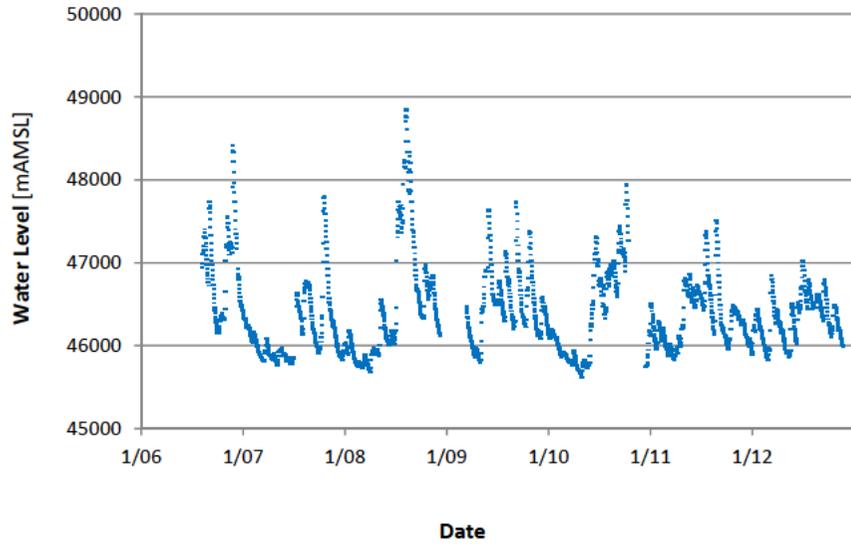
contact Wellington Regional Council prior to the irrigation season to make alternative arrangements.

6. The annual take volume shall be assessed for the period 1 July to 30 June the following year.

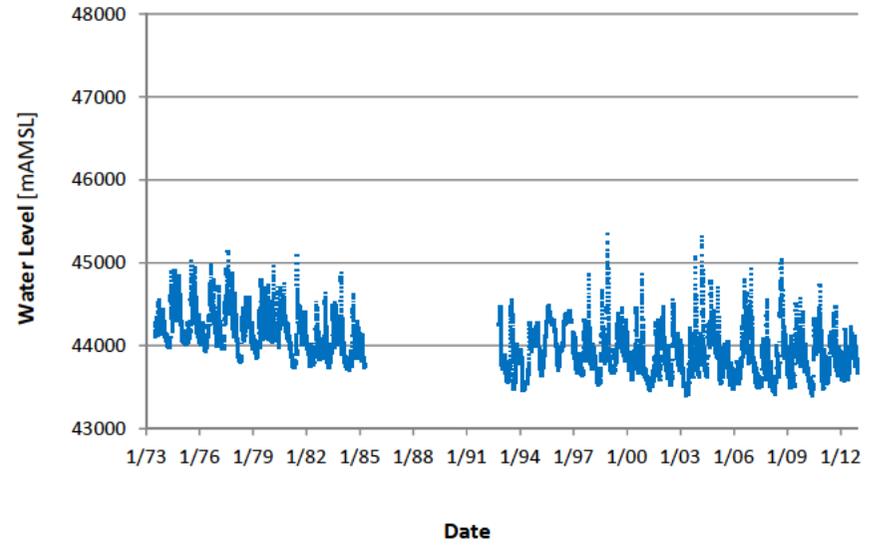
General notes:

- a) This resource consent does not guarantee that quantity or quality of water will be maintained or available.
- b) Please contact the Wellington Regional Council, Environmental Regulation, if you plan to make any modifications to the bore, pump, or irrigation system. Any significant modifications may require you to apply for a change of consent conditions.
- c) A resource management charge, set in accordance with section 36(2) of the Resource Management Act 1991 shall be paid to the Regional Council for the carrying out of its functions in relation to the administration, monitoring, and supervision of resource consents and for the carrying out of its functions under section 35 (duty to gather information, monitor, and keep records) of the Act.
- d) The Wellington Regional Council shall be entitled to recover from the consent holder the costs of any review, calculated in accordance with and limited to the Council's scale of charges in force and applicable at that time pursuant to section 36 of the Resource Management Act 1991.
- e) In the event of undue interference with other bores/wells in the area and/or a long term sustained decline in groundwater levels becomes apparent through groundwater level monitoring undertaken in the aquifer where bore R27/6978 is located, the consent holder may be requested to reduce or stop pumping as maybe directed by the Manager, Environmental Regulation, Wellington Regional Council. Undue interference is defined as drawdown in neighbouring bores/wells that was not evaluated at the time the resource consent was processed.

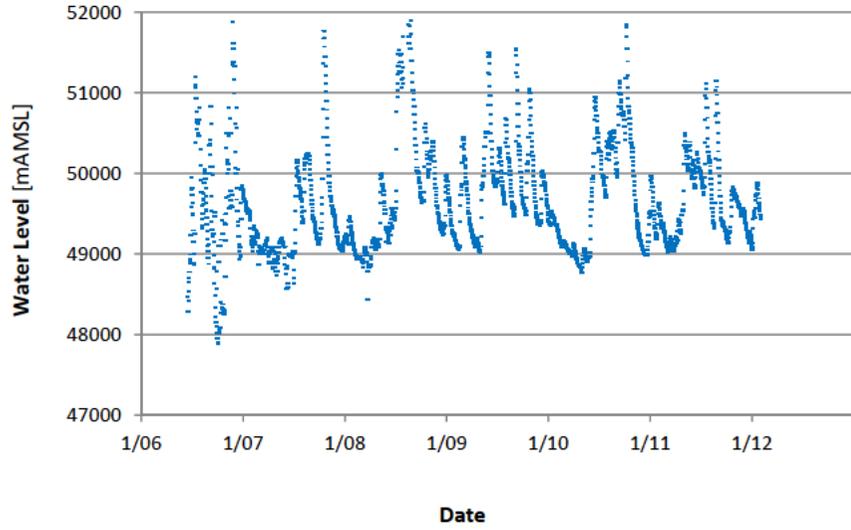
Upper Hutt GW Zone at Coca Cola/Unibag



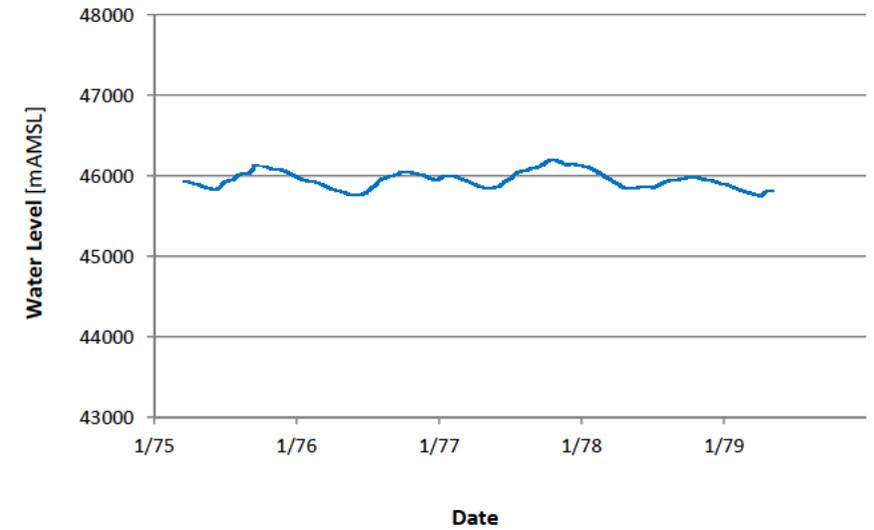
Upper Hutt GW Zone at Trentham Mem Park



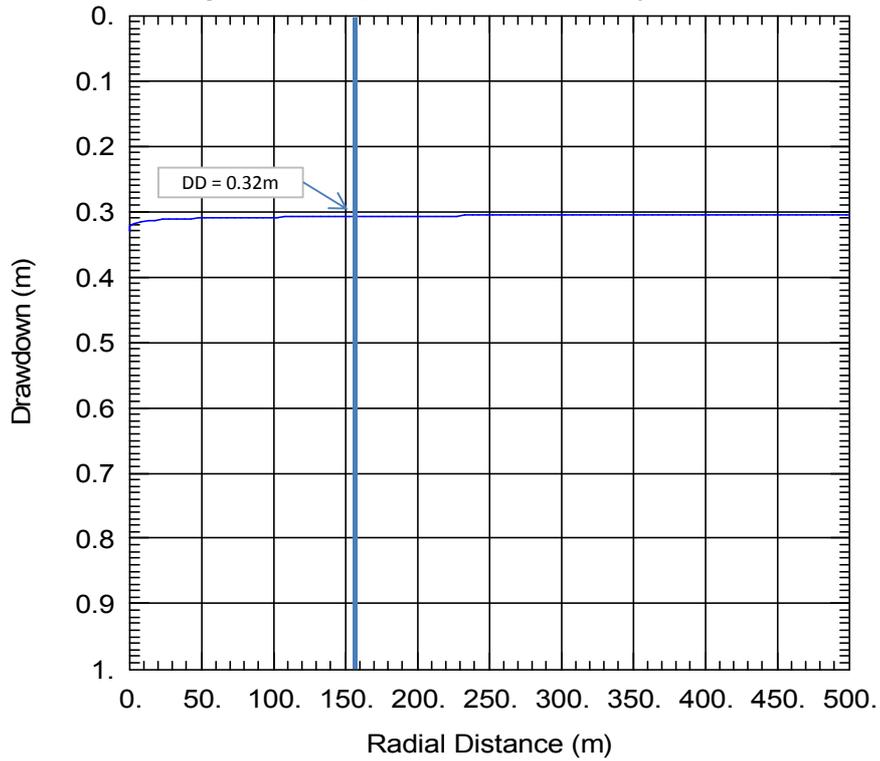
Upper Hutt GW Zone at South Pac Tyres



Upper Hutt GW Zone at Trentham Racecourse



Heretaunga Well Pumped at 5.7 L/s, 365 Days, T=28000 m²/day



Obs. Wells

Heretaunga

Aquifer Model

Unconfined

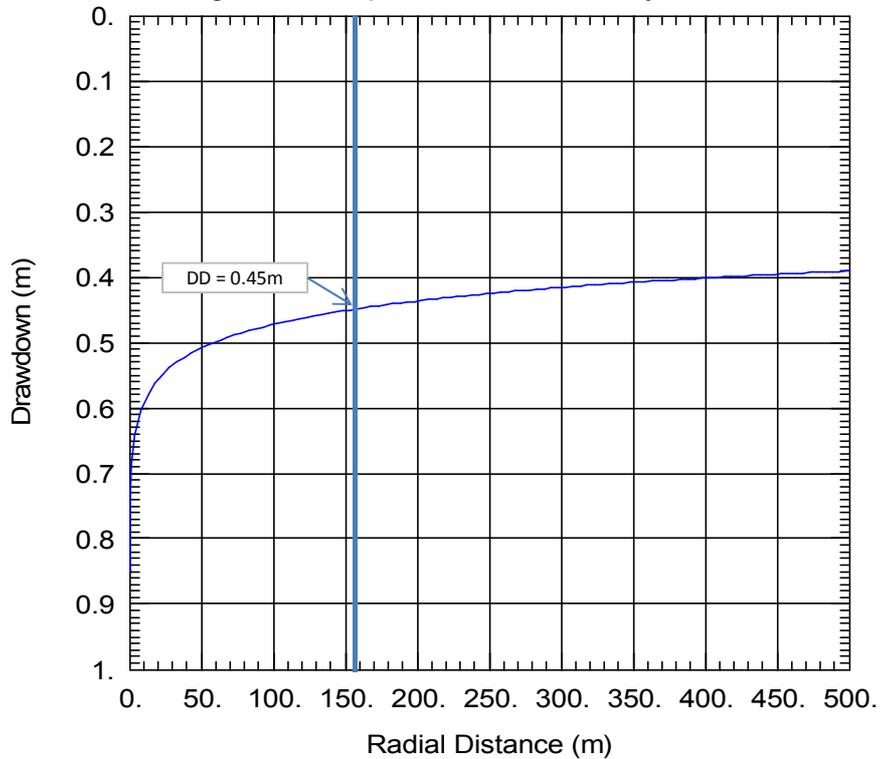
Solution

Theis

Parameters

T = 2.8E+4 m²/day
 S = 0.02
 Kz/Kr = 1.
 b = 30. m

Heretaunga Well Pumped at 5.7 L/s, 365 Days, T=1500 m²/day



Obs. Wells

Heretaunga

Aquifer Model

Unconfined

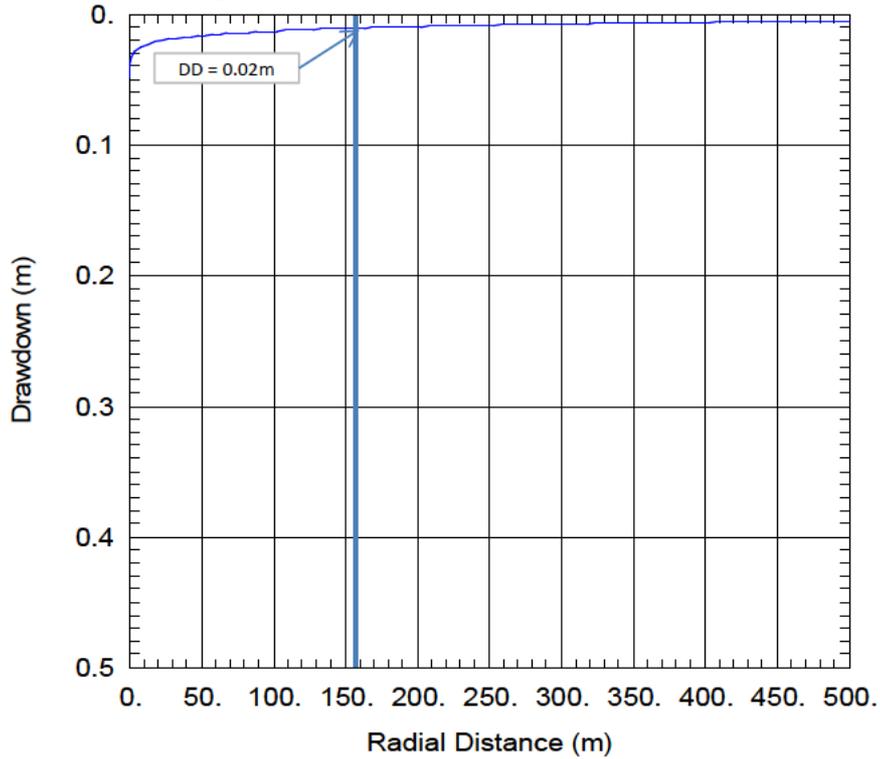
Solution

Theis

Parameters

T = 1500. m²/day
 S = 0.02
 Kz/Kr = 1.
 b = 30. m

Heretaunga Well Pumped at 10 L/s, 16 hours, T=28000 m²/day



Obs. Wells

Heretaunga

Aquifer Model

Unconfined

Solution

Theis

Parameters

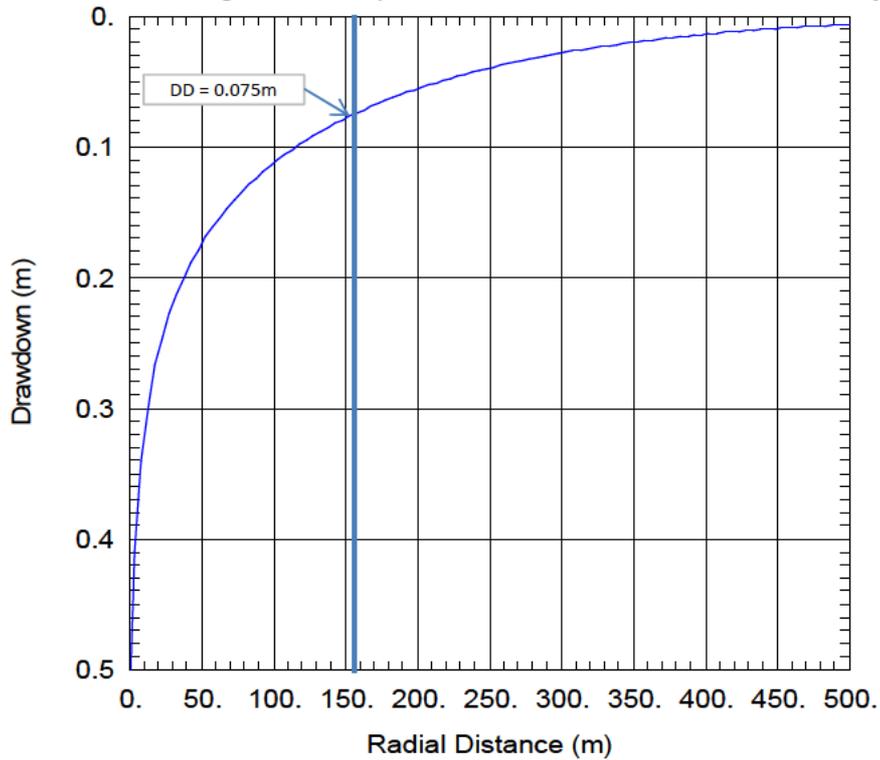
T = 2.8E+4 m²/day

S = 0.02

Kz/Kr = 1.

b = 30. m

Heretaunga Well Pumped at 10 L/s, 16 hours, T=1500 m²/day



Obs. Wells

Heretaunga

Aquifer Model

Unconfined

Solution

Theis

Parameters

T = 1500. m²/day

S = 0.02

Kz/Kr = 1.

b = 30. m

Malory Osmond

From: Nathan Baker [REDACTED]
Sent: Wednesday, 23 January 2013 4:44 p.m.
To: Malory Osmond
Subject: RE: Draft conditions for Heretaunga Water Ltd

Ok good – thanks.

Nathan Baker

Manager - Wellington Planning
Beca

[REDACTED]
[REDACTED]
[REDACTED]

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From: Malory Osmond [mailto:Malory.Osmond@gw.govt.nz]
Sent: Wednesday, 23 January 2013 4:36 p.m.
To: Nathan Baker
Subject: RE: Draft conditions for Heretaunga Water Ltd

Hi Nathan,

Yes the Blockhouse Lane bore is available for monitoring. GWRC Water Supply have no plans for that bore at this stage.

Once we have a monitoring proposal agreed, I will go back to GWRC Water Supply to get final approval.

Regards

Malory

From: Nathan Baker [REDACTED]
Sent: Wednesday, 23 January 2013 10:47 a.m.
To: Malory Osmond
Subject: RE: Draft conditions for Heretaunga Water Ltd

Ok thanks

Nathan Baker

Manager - Wellington Planning
Beca

[REDACTED]
[REDACTED]
[REDACTED]

www.beca.com

From: Malory Osmond [mailto:Malory.Osmond@gw.govt.nz]
Sent: Wednesday, 23 January 2013 10:47 a.m.
To: Nathan Baker
Subject: RE: Draft conditions for Heretaunga Water Ltd

Hi Nathan,

I need to talk to someone in our Bulk Water department about the Blockhouse Lane bore. Have left them a message. Will get back to you as soon as I have talked to them.

Cheers

Malory

From: Nathan Baker [REDACTED]
Sent: Wednesday, 23 January 2013 9:40 a.m.
To: Jude Weggery; Malory Osmond
Subject: RE: Draft conditions for Heretaunga Water Ltd

Thanks Jude, yes we are keen to resolve conditions properly - please take this email as acceptance to extend the timeframes as stated below to achieve that. We will send you a draft monitoring condition for your review shortly.

Could you please confirm that the blockhouse well is available for monitoring.

Nathan Baker

Manager - Wellington Planning

Beca

[REDACTED]
[REDACTED]
[REDACTED]
www.beca.com

From: Jude Weggery [mailto:Jude.Weggery@gw.govt.nz]
Sent: Tuesday, 22 January 2013 1:18 p.m.
To: Nathan Baker
Cc: Malory Osmond
Subject: FW: Draft conditions for Heretaunga Water Ltd

Hi Nathan

As discussed in our telephone conversation earlier, Mark and Doug have been discussing the most appropriate location to monitor drawdown and it is my understanding that Mark is going to propose a new location(s) for level monitoring and the proposed wording of a monitoring condition. In order to provide enough time for Mark to collate/submit this information and us to review it we will need you to agree to extend the time limit for processing your application under sections 37 and 37A of the Resource Management Act 1991. I expect we will need 10 working days following receipt of this information to process the consent. **Please email me to confirm whether the applicant is happy to extend the processing timeframes by 4pm 23 January 2013.**

Regarding the consent duration, 10 years is the typical duration for water take consents in the region. We would only consider a longer duration if the information provided in the application gave us certainty about the effects associated with the water take, and we have decided in this case that the standard duration is appropriate to allow any effects to be reassessed in a relatively short timeframe.

24/01/2013

Kind regards
Jude Weggery

From: Nathan Baker [REDACTED]
Sent: Tuesday, 18 December 2012 2:59 p.m.
To: Jeremy Rusbatch; Jude Weggery
Cc: Malory Osmond
Subject: RE: Draft conditions for Heretaunga Water Ltd

Thank you for providing these conditions as draft for comment. We would like to discuss the following with you in no particular order:

- 1) Water level monitoring. We suggest both the electronic system and a dedicated tube for manual measurements with a dip meter. Otherwise there is often no way to know if the electronic device is accurate or precise enough. It is most unusual that a level is defined in a consent for the pumping well and we suggest a level to be defined in the nearby GW observation bore, such as the 'blockhouse' well, instead.
- 2) The "trigger level" of 44.06 MSL. It is too high and is based on GW's WL monitoring period and is unlikely to reflect what might naturally occur during a period drier than what occurred during this timeframe. Also there is no allowance for a nearby well going on line and causing interference drawdown. It is also based on our speculation about well loss of 0.3 m at 10 L/s and we have not measured this yet. If the trigger level remains one set for the pumped well, we suggest an additional metre be added because: a) well loss occurs only inside the well itself and does not affect anyone else b) natural variations will be greater than what has been measured and c) other new or periodic users could cause interference drawdowns. Further, we propose that the response to reaching the trigger level should be a requirement for reporting within 3 working days of observing the exceedance followed by an assessment of the cause of the drop below the trigger and not immediate cessation of pumping.
- 3) The 10 L/s test on demand. This would not be a problem after the permanent pump has been installed and it should therefore be stated that the test will is required following installation of the permanent pump.
- 4) The requirement for a CTV of the bore construction is unprecedented and does not alter the potential effects on any party. We ask that this requirement be removed.

We also wish to discuss an increased duration to 15 years if you are comfortable with the final conditions of consent. Look forward to discussing these points with you shortly.

Nathan Baker

Manager - Wellington Planning
Beca

[REDACTED]
[REDACTED]
[REDACTED]
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Most Reputable Organisation 2011 // NZ Management Magazine/Hay Group

From: Malory Osmond [mailto:Malory.Osmond@gw.govt.nz]
Sent: Thursday, 13 December 2012 6:03 p.m.
To: Nathan Baker
Cc: Jeremy Rusbatch; Jude Weggery
Subject: Draft conditions for Heretaunga Water Ltd

Hi Nathan,

24/01/2013

Here are the draft consent conditions for the Heretaunga Water Ltd water permit.

A very quick run down....

The water meter and verification conditions are required by the water regulations. I discussed the water level monitoring conditions with Belinda. In short, these conditions has risen from the fact that the bore has not been tested at the applied for rate. As the effects of pumping the bore at a rate of 10 l/s has been based on modelling the results of the 4 l/s pumping test, we consider this monitoring is required to verify the conclusions drawn from that assessment, and to mitigate any adverse effect if it does occur.

I have not specified a date for installation of equipment etc, rather stated that they shall be installed prior to the commencement of the take. The consent holder will be required to notify us when they commence the take.

In regard to duration, our standard duration for water takes is 10 years. Given that the take has not been tested at a rate of 10 litres/second and that we have additional monitoring conditions to verify the modelled drawdown, I consider that a duration of 10 years is appropriate for this consent. If after 10 years, the monitoring has shown there to be no adverse effects, a longer duration may be warranted for a new consent.

If you wish to discuss these conditions, please contact Jeremy in the first instance on 04 830 4132 or jeremy.rusbatch@gw.govt.nz.

Regards

Malory Osmond | Senior Resource Advisor, Environmental Regulation
GREATER WELLINGTON REGIONAL COUNCIL
Te Pane Matua Taiao
142 Wakefield Street | PO Box 11646, Manners Street, Wellington 6142
T: 04 830 4015 | www.gw.govt.nz

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