

# Assets Infrastructure

## Tabled Documents

10 August 2017

<b>Item 4:</b>	Chairs Report
<b>Item 16:</b>	3 Waters Compliance - update
<b>Item 18:</b>	RDC Roading Report July 2017

## Assets Infrastructure 10 August 2017

### Chairs report

Andy, Ross and myself meet with Michael McCarthy, Nick Peate, Ramon Strong and Bruce Gordon from Horizons informally here last week to discuss where we're at in regards to consent issues's that will effect our LTP. Obviously the much talked about MTP was the major discussion. What was really interesting was the need for land discharge to get long term consents. But the problem is that it looks as though it can't go to sheep and beef or dairy farms and also under scrutiny is the ability to discharge to a farm that has a cart and carry policy. That leaves only the ability to discharge to sand hills or forestry. I think they, along with u,s are a little concerned as to how this is all going to be affordable to the rate payer as we will be talking figures way above 10 million if we don't have the private sector eg: Riverlands, Ohakea on board with this. Next I think it's time to make the hard decisions around the Bulls community centre. Funding from outside grants at this stage are minimal so I think we as Council need to step up and underwrite this project. A lot of work has gone into this and as time goes on its going to become more expensive. Financially we are in a good position to move on this project.

Finally with positive feedback regarding the Tutaenui Rural Water Supply/Irrigation scheme it's going to be very interesting to find out the costing required to join. Also seeing whether Hunterville experimental bore is suitable for treatment as it would be fantastic to have water available at the same rate as the rest of the district.

Dean McManaway

**TABLED DOCUMENT**

Tabled at Assets Infrastructure.

on 10 August 2017 Item 6.

12 July 2017

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MARTON 4741

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[www.horizons.govt.nz](http://www.horizons.govt.nz)

ATTN: Andrew Van Bussell

Dear Andrew,

File ref: (5/8/RDC)  
APP-2001009206.00  
APP-1996004121.00  
(5/1/RDC)  
APP-2004010818.00  
APP-2007012137.00  
APP-2007012135.00  
APP-2014200014.00  
APP-2007012137.00  
5/3/RDC  
APP-1996004150.00  
APP-2012015514.00  
TKE:RAR

RECEIVED  
To: AUB  
File: 6-W 5-3-11  
Doc: 17-0729

This compliance monitoring report is for Rangitikei District Council Water Supply Resource Consents; Taihape, Mangaweka, Bulls, Erewhon, Omatane, Ratana, Hunterville and Marton. Data provided and information contained in Horizons Regional Council files has been used to assess how these sites have performed with the relevant consent conditions for period 1 May 2016 - 31 March 2017. Below are copies of the relevant consent conditions along with comments from the assessment relating to compliance.

Please note that consents complying with its conditions at the time of this invoice, have been charged 65% of the full charge as detailed in the attached cost sheet. Consents non-complying with its conditions at the time of this invoice will be charged 100% of the charge as detailed in the cost sheet.

Please find attached a copy of Horizons Regional Council's Compliance Assessment Guidelines for your reference.

If you have any queries about the attached report, please contact me via email [tracey.evans@horizons.govt.nz](mailto:tracey.evans@horizons.govt.nz) or on 06 952 2947.

Kind regards



Tracey Evans  
CONSENTS MONITORING OFFICER

**TABLED DOCUMENT**

Tabled at Assets Infrastructure  
on 10 August Item 16

# COMPLIANCE REPORT RANGITIKEI WATER SUPPLIES

## Consents

101722(TAIHAPE), 103081(MANGAWEKA), 6903, 103868 (BULLS),  
103986,103987(EREWHON), 103988(OMATANE), 103989 (HUNTERVILLE), 106125,  
6929, 6853, (MARTON), APP-2014200014.00 (RATANA).

Reporting Period  
1 May 2016 - 31 March 2017



Kairanga

Marton

Palmerston North

Taihape

Taumarunui

Wanganui

Woodville



## SCOPE OF REPORT/EXECUTIVE SUMMARY

This compliance report assesses compliance against Rangitikei District Council Water Supply Resource Consents. Annual report/data assessment undertaken on 28.05.2017

### Water Permit 101722 - Taihape

1. *This Permit authorises the abstraction of surface water from the Hautapu River at approximate map reference T21:420-738 near the property legally described as Motukawa 2B7A Blks V IX Ohinewairua SD Blks VIII XII Maungakaretu SD. The maximum daily (over period midnight to midnight) abstraction of water shall not exceed 2,900 metres per day (2,900 m<sup>3</sup>/day).*

For the reporting period 1 April 2016 – 31 March 2017 the above abstraction rate has mostly been complied with however between the 7-18<sup>th</sup> of June 2016 there were a few minor exceedances (less than one percent over). Please continue to ensure that 2900m<sup>3</sup>/day is complied with.

#### COMPLY

2. *Subject to Condition 1 the maximum rate of abstraction shall not exceed 126 cubic metres per hour (126m<sup>3</sup>/hr) or 35 litres per second (35l/s).*

For the reporting period 1 April 2016 – 30 March 2017 the above abstraction rate has been complied with however on the 2<sup>nd</sup> of March there were a couple of minor non-compliances (less than one percent over). Please continue to ensure that 126m<sup>3</sup>/hr is complied with.

#### COMPLY - FULL

3. *Subject to Condition 1 and 2, the maximum rates of abstraction from the Rangitikei River under the authorisation of this Permit shall not exceed the following rates:*
  - a. *For the first three years following the commencement of this Permit (31 May 2005 - 30 May 2008) up to 2,900 cubic metres per day at a maximum rate of 126 cubic metres per hour or 35 litres per second.*

#### No Longer Applicable

- b. *For the remaining term of this Permit (31 May 2008 - 31 May 2020)*
  - i. *Up to 2,900 cubic metres per day at a maximum rate of 126 cubic metres per hour or 35 litres per second when flow in the Hautapu River measured at the NIWA operated flow gauging station at Alabasters exceeds 0.69 cubic metres per second (0.69m<sup>3</sup>/sec); and*
  - ii. *2,225 cubic metres per day at a maximum rate of 93 cubic metres per hour or 26 litres per second when flow in the Hautapu River measured at Alabasters is less than or equal to 0.690 cubic metres per second (0.690m<sup>3</sup>/sec).*

*Note: From October 2005 flow information for the Hautapu River at Alabasters can be obtained by phoning the Manawatu-Wanganui Regional Council's Interactive Voice*

Response system (0508 435 663) or on the Regional Council's website [www.horizons.govt.nz](http://www.horizons.govt.nz).

*Note: Water can be abstracted at times of low river flow in terms of an emergency as specified in the Act*

For the reporting period 1 April 2016 – 31 March 2017 the flow of the Hautapu River as measured at the Alabasters flow site did not drop below 0.69m<sup>3</sup>/sec

The updated Activity Mangement Plan states *'There are currently issues with over-abstraction at the Taihape intake, owing to the hydraulic grade line of the raw water main. The setup is such that under certain conditions, the pipe becomes airlocked. This problem is under investigation at the moment. Through discussions with Horizons Regional Council, we hope to undertake works at the intake to ensure that over-abstraction does not occur, and air is not entrained in the main. These proposed works have been approved by Horizons, and will be carried out in the near future.'*

I understand that you are planning on looking at a way of keeping the pipe full and extracting less so that you can keep within your consent limits. The bypass valve operation is working well to return excess water to river further downstream. I understand RDC will be applying for a variation to consent to encompass the bypass valve arrangement as soon as practicable. **Can you please provide an update as to where RDC is at with this by 1 July 2017.**

**COMPLY – NEEDS ATTENTION**

4. *By 1 November 2005, the Permit Holder shall, install and maintain, in fully operational condition, two flow meters that record the total abstraction. The flow meters shall be traceably calibrated to +/- 10% or better and be capable of providing daily water use records as well as a pulse counter output. The pulse counter output will be monitored at regular intervals by the Regional Council to ensure compliance with Water Permit conditions and as part of a programme to monitor catchment water use. One of the flow meters shall be placed at a point of abstraction to measure the rate of abstraction and the entire volume abstracted. The second flow meter shall be placed to enable measurement of the rate of diversion and the entire volume diverted to the unnamed tributary of the Hautapu River.*

A flowmeter with pulse output is installed on the abstraction line and there are also flowmeters installed to measure the volume of water that comes into the Water Treatment Plant and the volume of water that is consumed by the town. Therefore through these measurements, the volume of water diverted back to the Hautapu River can be measured. **COMPLY - FULL**

5. *Prior to 1 November 2005 the Permit Holder shall keep an accurate record of the daily water volumes taken into the Taihape Water Treatment Plant and record it in an Environmental Log. If no water is taken a 'Nil' measurement shall be recorded. A copy of this log, in an electronic form, is to be sent to the Manawatu-Wanganui Regional Council's Team Leader of Compliance Monitoring within 10 working days of the end of each calendar month and upon request.*

**No Longer Applicable**



6. *After 1 November 2005 the Permit Holder shall keep hourly records of the rates and volumes of water abstracted from the Hautapu River under the authorisation of this Permit using the flow meter and GPRS data logger/telemetry unit as required by condition 4. The records shall be supplied automatically through the telemetric system linked to the Manawatu-Wanganui Regional Council.*

**COMPLY - FULL**

7. *The Permit Holder shall provide the Manawatu-Wanganui Regional Council's staff or its agents, with reasonable access to enable monitoring of water use.*

**COMPLY - FULL**

8. *By 1 July 2005, the Consent Holder shall provide the Manawatu-Wanganui Regional Council's Team Leader Compliance with a copy of the Activity Management Plan for the Taihape Water Supply. The Activity Management Plan shall include:*
- i. Measures to identify and address leakage in the system, including details of the repair and maintenance program for the Water Supply,*
  - ii. Measures to encourage reduction in water use during times of low flow, including reduction in industry use;*
  - iii. Management of rural, stock, domestic and industry use;*
  - iv. Prevention of illegal water usage with the rural area;*
  - v. Monitoring and recording of water consumption;*
  - vi. Notification to Manawatu-Wanganui Regional Council of person(s) or position(s) responsible for monitoring the Hautapu River Flow Record; and*
  - vii. Proposed completion dates of management initiatives.*

*The Consent Holder shall provide the Manawatu-Wanganui Regional Council's Team Leader Compliance with a revised copy of the Activity Management Plan within 2 months of any significant changes being made to the Plan.*

*Note: Activity Management Plans are prepared by the District Council under the Local Government Act and guide the operations and maintenance of Council assets.*

The draft updated Activity Management Plan was submitted to HRC in March 2015. Please submit the final Management Plan by **1 August 2017**.

**COMPLY –NEEDS ATTENTION**

9. *The Permit Holder shall ensure that all parts of the Water Supply Scheme, including but not limited to the water intake, reticulation, water holding structures and treatment plant performance, are maintained and managed in effective condition throughout the term of this Permit to ensure that water wastage is minimised.*

Please ensure that all parts of the Water Supply Scheme are maintained in effective condition to ensure that water wastage is minimised. **COMPLY**

The overall rating for this resource consent is **COMPLY-NEEDS ATTENTION**

## Water Permit 103081 - Mangaweka

1. *This Water Permit authorises the abstraction of surface water from the Rangitikei River at approximate map reference (T22:504-512) on property legally described as Sec 114 Pt Sec 52 Blk X Hautapu SD. The maximum daily (over period midnight to midnight) abstraction of water shall not exceed one hundred and seventy cubic metres per day (170 m<sup>3</sup>/day).*

HRC receive abstraction data via File Transfer Protocol (FTP) and Water Outlook. For the period 1 April 2016– 1 April 2017, there were 18 days where the reported daily abstraction was over 170m<sup>3</sup>/day. A verification certificate has now been submitted to show flow meter accuracy when flows are higher than 5m<sup>3</sup>/sec however when the test was run at flows lower than this, the accuracy was skewed; this is due to the incorrect installation and pipework requiring alterations. Exceedances were in August December and January. The August exceedances were due to technical issues. One issue was with the control system during which time staff managed to manipulate flows to try and stay within consent limits and refill the reservoir, unfortunately overnight there was then a malfunction with the filter valve. Another issue in August was a loss of communications between the treatment plant and the intake, where the intake pumps did not shut down and continued to run until the operator switched the main power off, therefore breaching consent limits for the previous day. This was managed particularly well to keep everything running smoothly and HRC were kept in the loop the entire time while the issues were fixed quickly. The December and January exceedances were due to high usage at a trucking company causing the reservoir to reach very low levels, in addition to ongoing leakage in the system. There has been a remarkable improvement in the number of leaks in the system from previous reporting periods. Exceedances have definitely improved since the last reporting period, thank you for your continued work in investigating where leaks and off –takes have been interfering with your volumes and for notifying Horizons when you are having a problem.

### **COMPLY-ON TRACK**

2. *Subject to Condition 1 the maximum rate of abstraction shall not exceed 33 cubic metres per hour (33m<sup>3</sup>/hr) or 9.2 litres per second (9.2 l/s).*

HRC receive abstraction data via File Transfer Protocol (FTP). For the reporting period 1 April 2016 – 31 April 2017, the above abstraction rate was complied with.

### **COMPLY**

3. *The Permit Holder shall, by 1 December 2005, install and maintain in fully operational condition, a flow meter. The Permit Holder is responsible for ensuring that the metre is traceably calibrated to +/- 10% or better and that it is capable of providing daily water use as well as a pulse counter output. The pulse counter output will be monitored at regular intervals by the Regional Council to ensure compliance with Water Permit conditions and as part of a programme to monitor catchment water use.*

*Note: The flow meter shall be placed at the point of abstraction to measure the rate of abstraction and the entire volume abstracted.*

A flowmeter with pulse counter output is installed on the abstraction line up at the Water Treatment plant off Reservoir Road, at approximate map reference NZMS



T22:491-525. The verification certificate was submitted in February 2017 to show flow meter accuracy when flows are higher than 5m<sup>3</sup>/sec however any flows lower than this then the accuracy was skewed; this is due to the incorrect installation and pipework requiring alterations.

**COMPLY**

4. *The Permit Holder shall keep daily records of the rates and volumes of water abstracted from the Rangitikei River under the authorisation of this Permit until 1 December 2005. If no water is taken in any day a 'nil' measurement will be recorded. A copy of this abstraction record, shall;*
  - i. *be sent to the Manawatu-Wanganui Regional Council's Team Leader Compliance within 10 working days of the end of each calendar month; and*
  - ii. *be supplied upon request from the Manawatu-Wanganui Regional Council's Team Leader Compliance.*

This was likely to be an oversight by HRC and I consider that the intention would have been to have telemetry installed after 1 December 2005; however, no such condition exists in this resource consent. Currently abstraction data is transferred to HRC via FTP. **NO LONGER APPLICABLE**

5. *The Permit Holder shall provide the Manawatu-Wanganui Regional Council's staff and its agents with reasonable access to enable monitoring of water use.*

HRC staff are provided with the required access.

**COMPLY**

6. *The Permit Holder shall, within one month of the commencement of this Water Permit (By 7 April 2005), prepare and implement a Water Conservation Plan for the Mangaweka Water Supply Scheme. The objectives of this plan should be the efficient and wise use of water to ensure that the abstraction limits of condition 1 and 2 are not exceeded. The Plan shall address the following matters:*
  - i. *Management of rural, stock and domestic use;*
  - ii. *Prevention of illegal water usage within the rural area;*
  - iii. *How restrictions will be applied within the Mangaweka township;*
  - iv. *Addressing leakage within the reticulation system; and*
  - v. *An implementation plan detailing completion dates of management initiatives.*

*The Permit Holder shall at all times operate in accordance with the Water Conservation Plan.*

Updates have been made to the Water Conservation Plan, this was submitted on 26 March 2015 via the RDC Asset Management Plan – section Mangaweka Water. No changes have been submitted during the reporting period. **COMPLY**

7. *The Permit Holder shall ensure that a copy of the Water Conservation Plan is forwarded to the Manawatu-Wanganui Regional Council's Team Leader Compliance on completion. The plan will be updated and submitted to the Manawatu-Wanganui Regional Council every five years from commencement of the Permit, or when there is a significant change in the water abstraction, treatment or distribution system.*

A Water Conservation Plan was provided to HRC in 2005. **COMPLY**

8. *By 1 March 2005 the Permit Holder shall provide the Manawatu-Wanganui Regional Council's Team Leader Compliance with a copy of the Activity Management Plan for the Mangaweka Water Supply. The Activity Management Plan shall include:*

- *Measures to identify and address leakage in the system;*
- *Measures to encourage reduction in water use during times of low flow;*
- *Monitoring and recording of water consumption;*
- *Notification by the Rangitikei District Council to the Manawatu-Wanganui Regional Council of person(s) or position(s) responsible for monitoring the Rangitikei River Flow Record; and*
- *Proposed completion dates of management initiatives*

*The Permit Holder shall provide the Manawatu-Wanganui Regional Council's Team Leader Compliance with a revised copy of the Activity Management Plan within two months of any significant changes being made to the Activity Management Plan.*

*Note: The Activity Management Plan is prepared by the Rangitikei District Council under the Local Government Act and guides the operations and maintenance of Council assets. It is considered that this is the most appropriate vehicle for incorporating water conservation measures in to the system operations.*

An Activity Management Plan was received in November 2004. Updates have been made to the Water Conservation Plan, this has all been submitted and meets condition requirements as at 1 September 2016.

**COMPLY**

The overall rating for this resource consent is **COMPLY - ON TRACK**

## **Water Permit 103868 - Bulls**

1. *The maximum daily abstraction of groundwater from a 32 metre deep bore (No. 313069), on unformed Road Reserve off Bridge Street, Bulls (approximate map reference S23:130-106) shall not exceed 1,125 cubic metres per day (1,125 m<sup>3</sup>/day).*

The data retrieved and submitted by RDC for time period between 1 April 2016 – 1 April 2017 indicate that there were no non-compliances.

**COMPLY - FULL**

2. *Subject to Condition 1 the maximum rate of abstraction shall not exceed 50 cubic metres per hour (50 m<sup>3</sup> /hour).*

Abstraction records received through File Transfer Protocol (FTP) for the period 1 April 2016 – 1 April 2017 indicate was complied with.

**COMPLY-FULL**

3. *The Permit Holder shall by 1 March 2007 maintain, in fully operational condition, a flow meter with a pulse counter output and a GPRS data logger/telemetry unit*



*compatible with the Manawatu-Wanganui Regional Council's Telemetry System on the water abstraction line traceably calibrated to +/- 5% or better. The flow meter shall be capable of providing daily water use as well as a pulse counter output. The GPRS data logger/telemetry unit attached to the pulse counter output will be monitored by the Manawatu-Wanganui Regional Council to ensure compliance with Water Permit conditions. The flow meter shall be installed to measure the entire volume of the water abstracted under authorisation of this Permit. The Permit Holder shall have the flow meter on the Bulls Water Supply Bore No. 313069 abstraction calibrated annually by an authorised and certified contractor which confirms that the flow meter is accurate to within +/- 5% or better. This calibration shall be completed with the meter in-situ to ensure that the calibration takes into account any variability due to its location and installation. The calibration shall be completed in October of each year and the calibration certificate shall be provided to Horizons Regional Council's Team Leader Compliance by 31 October each year, commencing 31 October 2007.*

A flowmeter with pulse output is installed on the abstraction line.

A verification/calibration certificate was received 2 November 2012 for a verification undertaken on 24 September 2012. This is valid until **23 September 2017**, another flow meter-verification will be required and certificate to be submitted to HRC before this date.

#### **COMPLY-FULL**

4. *The Permit Holder shall keep an accurate record of the daily water volumes and rates of water abstracted from Bore No. 313069 under this Water Permit. These records shall be documented and forwarded to the Regional Council's Team Leader Compliance, in an appropriate digital format on an annual basis by 1 December each year commencing 1 December 2007. If no water is abstracted on any day a 'nil' measurement shall be recorded.*

HRC receive the abstraction data via File Transfer Protocol (FTP). **COMPLY - FULL**

5. *The Permit Holder shall provide the Manawatu-Wanganui Regional Council staff and its agents with reasonable access to enable monitoring of water use.*  
**COMPLY**

The overall rating for this resource consent is **COMPLY - FULL**

#### **Water Permit 6903 – Bulls**

1. *The bores shall be located at or about map reference S23:132-105 and more particularly as shown on Plan C6903 which is attached to and forms part of this permit.*

The location of these bores has not changed since the granting of the consent.  
**COMPLY - FULL**

- 2.. *The depth of each bore shall not exceed 18 metres below ground level.*  
**NOT ASSESSED**

3. *The maximum combined daily abstraction from the four bores shall not exceed 1700 cubic metres per day.*

The data retrieved and submitted to HRC for the period 1 April 2016 – 1 April 2017 indicated that there were no non-compliances for this timeframe.

**COMPLY-FULL**

4. *The maximum combined hourly abstraction from the four bores shall not exceed 120 cubic metres.*

**COMPLY-FULL**

The overall rating for this resource consent is **COMPLY-FULL**

## **Water Permit 103986 and 103987 - Erewhon**

1. *The consent holder shall undertake the activity in general accordance with the consent application including all accompanying plans and documents first lodged with Manawatu-Wanganui Regional Council on 27 February 2007.*

*In addition, where there may be inconsistencies between information provided by the applicant and conditions of the resource consent, the conditions of the resource consent apply.*

**Advice 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.

**COMPLY - FULL**

2. *The maximum daily abstraction of water from the Reporoa Stream on property legally described as Pt Awarua I DB No 2 Blks VII VIII XI XII Pukeokahu SD at approximate map reference U21:774-740 shall not exceed 1,800 cubic metres per day (1,800 m<sup>3</sup>/day).*

HRC have telemetry installed at the abstraction site to log and transfer the abstraction volumes. This data indicates that the maximum daily abstraction rate has been complied with for the time period 1 April 2016 – 1 April 2017.

**COMPLY- FULL**

3. *Subject to Condition 2, the maximum instantaneous rate of abstraction shall not exceed 21 litres per second (21 L/s).*

HRC have telemetry installed at the abstraction site to log and transfer the abstraction volumes. This data indicates that the maximum hourly abstraction rate has been complied with.

**COMPLY- FULL**

4. *Within 3 months of commencement of this Permit, the Permit Holder shall maintain, in fully operational condition, a flow meter with a pulse counter output and a GPRS data logger/telemetry unit compatible with the Manawatu-Wanganui Regional Council's telemetry system on the water abstraction line, traceably calibrated to +/- 5 % or better. The flow meter shall be capable of providing daily water use as well as pulse*



counter output. The flow meter shall be installed to measure the entire volume of water abstracted under authorisation of this Permit.

- i. The flow meter shall be positioned within straight lengths of steel pipe of uniform wall thickness (excluding flanges) before and after the meter.
- ii. For the purpose of this condition, the pipe on either side of the flow meters shall be equal diameter. The length of straight pipe before and after the flow meters shall be the greater of:
  - a. 10 times the external diameter of the pipe before the meter's inlet flange and 5 times the external diameter of the pipe after the meter's outlet flange;
  - b. 1.5 m before the flow meter inlet flange and 0.75 m of pipe after the flow meter outlet flange;
  - c. the length of pipes specified by the flow meter manufacturer to enable accurate flow measurement to be achieved.

**Note:** Spiral welded pipe will not meet the "uniform" wall thickness specifications above.

A flowmeter with pulse output is installed on the abstraction line.

**COMPLY- FULL**

5. The Manawatu-Wanganui Regional Council may attach monitoring equipment / telemetry to monitor water use to ensure compliance with Water Permit conditions and as part of a programme to enable monitoring of the total catchment water use.

**COMPLY- FULL**

6. Within 3 months of commencement of this Permit the Permit Holder shall keep hourly records of the rates and volumes of water abstracted from the bore under the authorisation of this Permit using the flow meter and GPRS data logger / telemetry unit as required by Condition 2. The records shall be supplied automatically through the telemetry system linked to the Manawatu-Wanganui Regional Council.

**Note:** The Council's Manager Resource Data is committed to providing reasonable assistance and advice to facilitate the installation of telemetry equipment at the point of abstraction. For information please contact Manawatu-Wanganui Regional Council's Hydrology Team.

HRC have installed a telemetry system at the site.

**COMPLY- FULL**

7. Where telemetry equipment fails for reasons other than fair wear and tear, replacement or repair shall be at the Permit Holder's expense and replacement will be required within seven days.

**NOT ASSESSED**

8. The consent holder shall provide the Manawatu-Wanganui Regional Council staff or its agents with reasonable access to enable monitoring of water use.

**COMPLY-FULL**

9. With the exception of network power failure or network maintenance the consent holder shall ensure that power supply is maintained at the site at all times.

**Note:** If power supply is lost at the site due to Permit Holder negligence or abuse and telemetry units require recalibration by Manawatu-Wanganui Regional Council staff, the costs associated will be recovered from the Permit Holder.

**COMPLY- FULL**

10. By **1 May 2011**, the Permit Holder shall undertake at least ten gaugings, at least seven days apart, within 500 metres upstream of the weir used for abstracting water under this Permit, when the flow at the Rangitikei at Pukeokahu flow recorder is less than 8.7 cubic metres per second ( $8.7 \text{ m}^3/\text{s}$ ), with at least five of these measurements taken when the flow is less than  $5.3 \text{ m}^3/\text{s}$  at the Rangitikei at Pukeokahu flow recorder. The results of these gaugings shall be submitted to the Manawatu-Wanganui Regional Council's Environmental Protection Manager by **31 May 2011**.

**Advice Note:** The Manawatu-Wanganui Regional Council's Environmental Protection Manager can be contacted by telephoning 0508 800 800.

**Advice Note:** Flow information for the Rangitikei River at the Pukeokahu flow recorder is available by phoning the Manawatu-Wanganui Regional Council's Waterline (0508 435 663) or by visiting the website on [www.horizons.govt.nz](http://www.horizons.govt.nz).

HRC has received 10 gaugings undertaken within 500m of the weir as below. The final gauging was not completed until March 2016 because the river flow did not drop below  $5.3 \text{ m}^3/\text{sec}$  until this time.

- 30.01.14 river flow 6136 l/s. gauging flow 30.1l/s
- 06.02.14, river flow 5247 l/s gauging flow 30.1l/s
- 13.02.14, river flow 7271 l/s gauging flow 30.1l/s
- 20.02.14, river flow 5028 l/s gauging flow 30.1l/s
- 27.02.14 river flow 4143 l/s gauging flow 30.1l/s
- 07.03.14, river flow 4309 l/s gauging flow 30.1l/s
- 25.03.14, river flow 5713 l/s gauging flow 30.1l/s
- 02 04 14 river flow 4139 l/s gauging flow 30.1l/s
- 10.03.2015 river flow 6295l/s gauging flow 30.1 l/s
- 11.03.16 river flow 4896 l/s gauging flow 30.1l/s

**COMPLY-FULL**

11. The Permit Holder shall ensure that any maintenance work undertaken on the weir, does not result in:
- a. Any machinery leaking fuel, lubricants, hydraulic fluids or solvents into a watercourse, or in a position where spills may enter water;
  - b. Any refuelling of any vehicles, machinery or equipment within the bed of a watercourse, or in a position where spills may enter water; The storage of fuel or contaminants adjacent to a watercourse which may cause fuel or contaminants to enter water; and
  - c. Contaminants, including but limited to, oil, hydraulic fluid, petrol, diesel and other fuels and lubricants, but excluding sediment, being released to water in a watercourse.

**NOT ASSESSED**



12. *The Manawatu-Wanganui Regional Council may, under Section 128 of the Resource Management Act 1991, initiate a review of all conditions of this Permit in the month of May in the years **2012, 2015, 2017 and 2023**. The reviews shall be for the purpose of reviewing the effectiveness of the conditions in avoiding or mitigating any adverse effects on the environment which may arise as a result of the exercise of this Permit. The review may be necessary to:*
- i. assess the water abstraction volumes and rates detailed in Conditions 2 and 3 of this Permit for consistency with any review of any Regional Water Allocation Policy developed, and if necessary change the monitoring outlined in Conditions 4, 5, 6, 7 and 8 of this Permit;*
  - ii. deal with any significant adverse effects on the environment which may arise as a result of this Permit; and*

*The review of conditions shall allow for:*

- i. the deletion or amendment of any of the conditions of this Permit; or*
- ii. the addition of new conditions as necessary to avoid, remedy or mitigate any adverse effect on the environment.*

**Note:** Any review exercised under this condition may result in the abstraction volume and / or rate being reduced and / or restricted, or restrictions being placed on the abstraction volume and / or rate during low flow conditions.

**NOT ASSESSED**

13. *The Manawatu-Wanganui Regional Council may, under Section 128(1)(b) of the Resource Management Act 1991, initiate a review of all of the conditions of this Permit at any time throughout the term of this Permit when a regional plan has been made operative which sets rules relating to maximum or minimum levels or flows or rates of use of water, and in the Manawatu-Wanganui Regional Council's opinion it is appropriate to review the conditions of this Permit in order to enable the levels, flows, rates or standards set by any rule to be met. The review shall be for the purpose of reviewing the effectiveness of the conditions in avoiding or mitigating any adverse effect on the environment, which may arise as a result of the exercise of this Permit, in response to any future Regional Water Allocation Plan.*

**NOT ASSESSED**

The overall rating for this resource consent is **COMPLY-FULL**

## **Water Permit 103988 - Omatane**

1. *The maximum rate of abstraction of surface water from the unnamed tributary of the Makino Stream on the property legally described as Lots 1 & 2 of Section 2 BLK II Ruahine SD at approximate map reference U22:707-589 under the authorisation of this Permit shall not exceed 300 m<sup>3</sup> per day (300 m<sup>3</sup>/day) at a maximum rate of 3.5 litres per second (3.5 L/s).*

HRC have telemetry installed at the abstraction site to log and transfer the abstraction volumes. For the period 1 April 2016 – 1 April 2017 the data received indicates that these limits were complied with.

**COMPLY - FULL**

2. *The Permit Holder shall maintain, in fully operational condition, a flow meter with a pulse counter output and a GPRS data logger / telemetry unit compatible with the Manawatu-Wanganui Regional Council's Telemetry System on the water abstraction line traceably calibrated to +/- 5 % or better. The flow meter shall be capable of providing daily water use as well as a pulse counter output. The GPRS data logger / telemetry unit attached to the pulse counter output will be monitored by the Manawatu-Wanganui Regional Council to ensure compliance with Water Permit conditions and as part of a programme to enable monitoring of total catchment water use. The flow meter shall be installed to measure the entire volume of water abstracted under authorisation of this Permit. Where telemetry equipment fails for reasons other than fair wear and tear, replacement or repair will be at the Permit Holder's expense and replacement will be required within seven days. The length of straight pipe before and after the flow meter shall be the **greater** of:*
  - a. *10 times the external diameter of the pipe before the meter's inlet flange and 10 times the external diameter of the pipe after the meter's outlet flange.*
  - b. *1.5 m metres before the flow meter inlet flange and 0.75 m of pipe after the flow meter outlet flange.*
  - c. *the length of pipes specified by the flow meter manufacturer to enable accurate flow measurement to be achieved.*

*The flow meter and length of straight pipe before and after the meter (as specified above) shall be easily and safely accessible and is to be installed so as to be between 100 mm and 1,200 mm above ground level. The flow meter shall be positioned within straight lengths of steel pipe of uniform wall thickness (excluding flanges) before and after the meter. For the purpose of this clause, the pipe on either side of the flow meter shall be of equal diameter.*

**Note:** *Spiral welded pipe will not meet the "uniform" wall thickness specifications above.*

A flowmeter with pulse output is installed on the abstraction line. Please ensure that the flowmeter is maintained in fully operational condition at all times, which includes maintaining its accuracy. HRC also have telemetry installed at the site.

Thank you for submitting the verification certificate for this flow meter as per National Regulations for Measuring and Reporting of Water takes. Verification for this flow meter was undertaken on 14 January 2016, certificate was received by HRC on 17 February 2016. **COMPLY - FULL**

3. *The Permit Holder shall keep hourly records of the rates and volumes of water abstracted from the unnamed tributary of the Makino Stream under the authorisation of this Permit using the flow meter and GPRS data logger / telemetry unit as required by Condition 2. The records shall be supplied automatically through the telemetry system linked to the Manawatu-Wanganui Regional Council.*

**Note:** *The Council's Manager Resource Data is committed to providing reasonable assistance and advice to facilitate the installation of telemetry equipment at the point of abstraction. For information please contact Horizons Regional Council's Hydrology Team. A flow meter was installed at the site in March 2008.*



Abstraction volumes are logged through the telemetry unit and transferred through to HRC at hourly intervals.

**COMPLY - FULL**

4. *The Permit Holder shall provide the Manawatu-Wanganui Regional Council staff or its agents with reasonable access to enable monitoring of water use.*

**Advice Note:** *The site of the water take is located on a working farm. Manawatu-Wanganui Regional Council staff are to be aware of farming activities and there may be the need to also contact the landowner when there is the need to access the site. It remains the responsibility of the Permit Holder to ensure access to monitoring equipment can be negotiated.*

**COMPLY - FULL**

5. *This Water Permit shall commence by **1 December 2008**. If this permit is not commenced by **1 December 2008** it shall lapse pursuant to Section 125 of the Resource Management Act.*

This Water Permit has been given effect to.

**No longer applicable**

6. *The Permit Holder shall, by **May 2011**, undertake at least ten gaugings, at least seven days apart, within 500 m upstream of the weir for this take when the flow at the Rangitikei at Pukeokahu flow recorder is less than 8.7 m<sup>3</sup>/s, with at least five of these measurements taken when the flow is less than 5.3 m<sup>3</sup>/s. The results of these gaugings are to be submitted to the Manawatu-Wanganui Regional Council's Environmental Compliance Manager by **1 July 2011**.*

Date	Time	River flow (l/s)	Upstream gauging (L/S)
25/01/2010			7.34
9/02/2010			6.94
22/02/2010			7.23
2/05/2010			24
17/06/2010			25
1/07/2010			25
26/01/2011			8.34
11/02/2011			7.84
16/06/2011			34
2/08/2011		22800	24
9/02/2012	1030	6333	8.8
16/02/2012	1100	8319	10.4
22/02/2012	920	11881	8.3
29/02/2012	1045	8012	9.9
1/03/2013		6944	4.6
8/03/2013		4109	4.3
15/03/2013		3925	4.6
22/03/2013		3699	4.6
4/04/2013		3932	4.5
18/04/2013		3942	4.6

#### COMPLY-FULL

7. *Manawatu-Wanganui Regional Council may, under Section 128 of the Act, initiate a review of all conditions of this Permit in the month of May in the years **2012, 2015, 2017 and 2023**. The reviews shall be for the purpose of reviewing the effectiveness of the conditions in avoiding, or mitigating any adverse effects on the environment which may arise as a result of the exercise of this Permit.*

*The review may be necessary to:*

- a. *assess the water abstraction volumes and rates detailed in Condition 1 of this Permit for consistency with any review of any Regional Water Allocation Policy developed, and if necessary change the monitoring outlined in Conditions 2, 3 and 4 of this Permit;*
- b. *deal with any significant adverse effects on the environment which may arise as a result of this Permit; and*

*The review of conditions shall allow for:*

- a. *the deletion or amendment of any of the conditions of this Permit; or*
- b. *the imposition of low flow restriction parameters in conditions 1; or*
- c. *the addition of new conditions as necessary to avoid, remedy or mitigate any adverse effects on the environment.*

**Note:** *Any review exercised under this condition may result in the abstraction volume and / or rate being reduced and / or restricted, or restrictions being placed on the abstraction volume and / or rate during low flow conditions and / or restricting volumes taken to align with efficiency criteria.*

#### NOT ASSESSED

- c. *The Regional Council may under Section 128(1)(b) of the Resource Management Act 1991, initiate a review of all of the conditions of this Permit at any time throughout the*

*term of this Permit, when a regional plan has been made operative which sets rules relating to maximum or minimum levels or flows or rates of use of water and in the Regional Council's opinion it is appropriate to review the conditions of the Permit in order to enable the levels, flows, rates, or standards set by the rule to be met. The review shall be for the purpose of reviewing the effectiveness of the conditions in avoiding, or mitigating any adverse effects on the environment, which may arise as a result of the exercise of this Permit in response to any future Regional Water Allocation Plan.*

**NOT ASSESSED**

- d. *Charges, set in accordance with Section 36(1)(c) of the Resource Management Act 1991, and Section 150 of the Local Government Act 2002, shall be paid to the Manawatu-Wanganui Regional Council for the carrying out of its functions in relation to the administration, monitoring and supervision of this resource consent and for the carrying out of its functions under Section 35 (duty to gather information, monitor, and keep records) of the Act.*

**Note:** *Section 36(1)(c) of the Act provides that Manawatu-Wanganui Regional Council may from time to time fix charges payable by holders of resource consents. The procedure for setting administrative charges is governed by Section 36(2) of the Act and is currently carried out as part of the formulation of the Regional Council's Long Term Council Community Plan].*

**NOT ASSESSED**

The overall rating for this resource consent is **COMPLY-FULL**

## **Water Permit 103989 - Hunterville**

1. *The maximum daily abstraction of surface water from the Rangitikei River on the property legally described as PT Lots 4 5 DP450 Blk VII Ongo SD at approximate map reference T22:360-372 shall not exceed 2,500 m<sup>3</sup>/day at a maximum rate of 28.9 L/s.*

HRC receive abstraction data via File Transfer Protocol (FTP). For the period 1 April 2016 – 1 April 2017, the above abstraction rates were complied with.

**COMPLY - FULL**

2. *By 1 December 2007 the Permit Holder shall install and maintain, in fully operational condition, a flow meter with a pulse counter output, a data logger and a telemetry unit on the water abstraction line traceably calibrated to +/- 5 % or better. The flow meter shall be capable of providing daily water use as well as a pulse counter output. The flow meter shall be installed to measure the entire volume of water abstracted under authorisation of this Permit.*
- a. *The flow meter shall be positioned within straight lengths of steel pipe of uniform wall thickness (excluding flanges) before and after the meter.*
- b. *For the purpose of this clause, the pipe on either side of the flow meter shall be of equal diameter. The length of straight pipe before and after the flow meter shall be the greater of:*



- i. 10 times the external diameter of the pipe before the meter's inlet flange and five times the external diameter of the pipe after the meter's outlet flange;
- ii 1.5 m before the flow meter inlet flange and 0.75 m of pipe after the flow meter outlet flange; and
- iii the length of pipes specified by the Flow Meter manufacturer to enable accurate flow measurement to be achieved.

Note: Spiral welded pipe will not meet the "uniform" wall thickness specifications above.

A flowmeter and pulse counter output are installed on the abstraction line that meets the above specifications.

Thank you for submitting the verification certificate for this flow meter as per National Regulations for Measuring and Reporting of Water takes. Verification was undertaken on 6 November 2015, certificate was received by HRC on 17 February 2016.

**COMPLY - FULL**

3. *By 1 December 2007 the Permit Holder shall provide the Manawatu-Wanganui Regional Council with near real time access, as described in Appendix One, to its telemetered water abstraction data for the Hunterville Rural Water Supply.*

*This data will be sourced from the flow meter on the intake from the Rangitikei River. Within 15 minutes of the end of each hour (Quarter past each hour of the day), the total water use information from the flow meter for that previous hour shall be available on the Rangitikei District Council's FTP Server.*

Data is provided by Water Outlook however the appropriate tag for water abstraction volumes is unclear. Also for this reporting period there has been no data coming through to HRC via FTP. This appears to be an issue at RDC's end which needs to be rectified as soon as possible.

**COMPLY – NEEDS ATTENTION**

4. *By 1 December 2007 the Permit Holder shall ensure that the Manawatu-Wanganui Regional Council has electronic access to the Rangitikei District Council's FTP Server, that the SCADA Server is appropriately configured and that the Telemetry protocols as outlined in Appendix One, attached to and forming part of this consent, are adhered to.*

Data is provided by Water Outlook however for this reporting period there has been no data coming through to HRC via FTP. This appears to be an issue at RDC's end which needs to be rectified as soon as possible.

**COMPLY – NEEDS ATTENTION**

5. *Prior to 1 December 2007 the Permit Holder shall keep an accurate record of the daily water volumes abstracted including rates of abstraction and record it in an Environmental Log. If no water is taken a 'Nil' measurement shall be recorded.*

*A copy of this log, in an electronic form, is to be sent to the Manawatu-Wanganui Regional Council's Environmental Compliance Manager within 10 working days of the end of each calendar month and upon request.*

**No longer applicable**

6. *The Permit Holder shall provide to the Manawatu-Wanganui Regional Council's Environmental Compliance Manager, by each year, commencing October 2008, the monthly and annual net total of water abstracted by metered rural users.*

Data is provided by Water Outlook however the appropriate tag is unclear. Also for this reporting period there has been no data coming through to HRC via FTP. This appears to be an issue at RDC's end which needs to be rectified as soon as possible.

**COMPLY – NEEDS ATTENTION**

7. *The Permit Holder shall provide Manawatu-Wanganui Regional Council staff or its agents with reasonable access to sites to enable monitoring of water use.*

HRC staff are provided with reasonable access when required.

**COMPLY- FULL**

8. *The Manawatu-Wanganui Regional Council may, under Section 128 of the Act, initiate a review of all conditions of this Permit in the month of May in the years 2014 and 2017 and 2027. The reviews shall be for the purpose of reviewing the effectiveness of the conditions in avoiding, or mitigating any adverse effects on the environment which may arise as a result of the exercise of this Permit;*

*The review may be necessary to:*

- i. assess the water abstraction volumes and rates detailed in Condition 1 of this Permit for consistency with any review of any Regional Water Allocation Policy developed, and if necessary change the monitoring outlined in Conditions 2, 3, 4, 5, 6 and 7 of this Permit;*
- ii. change the flow recording site the flow restrictions are measured from, and the flows at which restrictions come into force;*
- iii. deal with any significant adverse effects on the environment which may arise as a result of this Permit; and*

*The review of conditions shall allow for:*

- i. the deletion or amendment of any of the conditions of this Permit; or*
- ii. the imposition of different low flow cut off parameters in conditions 1; or*
- iii. the addition of new conditions as necessary to avoid, remedy or mitigate any adverse effects on the environment.*

**Note:** Any review exercised under this condition may result in the abstraction volume and/or rate being reduced and/or restricted, or further restrictions being placed on the abstraction volume and/or rate during low flow conditions and/ or restricting irrigation application rates to match soil moisture deficits.

**NOT ASSESSED**

9. *The Regional Council may under Section 128(1)(b) of the Resource Management Act 1991, initiate a review of all of the conditions of this Permit at any time throughout the term of this permit, when a Regional Plan has been made operative which sets Rules relating to maximum or minimum levels or flows or rates of use of water and in the Regional Council's opinion it is appropriate to review the conditions of the Permit in order to enable the levels, flows, rates, or standards set by the rule to be met. The*



*review shall be for the purpose of reviewing the effectiveness of the conditions in avoiding, or mitigating any adverse effects on the environment, which may arise as a result of the exercise of this Permit in response to any future Regional Water Allocation Plan.*

**NOT ASSESSED**

10. *Charges, set in accordance with Section 36(1)c of the Resource Management Act 1991, and Section 150 of the Local Government Act 2002, shall be paid to the Manawatu-Wanganui Regional Council for the carrying out of its functions in relation to the administration, monitoring and supervision of this resource consent and for the carrying out of its functions under Section 35 (duty to gather information, monitor, and keep records) of the Act.*

*[Note: Section 36(1)c of the Act provides that Manawatu-Wanganui Regional Council may from time to time fix charges payable by holders of resource consents. The procedure for setting administrative charges is governed by Section 36(2) of the Act and is currently carried out as part of the formulation of the Regional Council's Long Term Council Community Plan].*

**NOT ASSESSED**

The overall rating for this resource consent is **COMPLY – NEEDS ATTENTION**

## **Water Permits 106300, 106125, 6929, 6853 – Marton**

### **Water Permit 106300**

1. *The water shall be taken from two bores either used separately or together. These bores shall be:*
  - a) *Bore 1 being a 266 metre deep bore at Calico Line, Marton, situated on Lot 2, DP 41295 at map reference S23:131-243; and*
  - b) *Bore 2 being a 268 metre deep bore at Totara Street, Marton, situated on Lot 2, DP 17825 at map reference S23:130-240.*

Water is no longer abstracted from Bore 2 at Totara Street Marton.

**COMPLY - FULL**

2. *Water shall only be taken from the bores for the following purposes:*
  - a) *Maintenance and testing of pumps and bores;*
  - b) *To provide an alternative to the Tutaenui reservoirs as a source of water for supply to Marton and environs while malfunctions at the Tutaenui Water Treatment Plant and/or broken water mains are being repaired. Any period of continuous abstraction of water from the bores for this purpose shall not exceed 30 days. The maximum daily quantity of water taken from the bores shall not exceed 4000 cubic metres. The maximum rate of abstraction of water shall not exceed 120 cubic metres per hour from Bore 1 and 60 cubic metres per hour from Bore 2;*



Abstraction records for the assessed period were received and indicate that abstraction complied with the above conditions. **COMPLY - FULL**

- c) *To supplement the Tutaenui reservoirs as a source of water for supply to Marton and environs for fire fighting and civil defence purposes. The maximum rate of abstraction of water shall not exceed 120 cubic metres per hour from Bore 1 and 60 cubic metres per hour from Bore 2; and*
- d) *To supplement the Tutaenui reservoirs as a source of water for supply to Marton and environs during periods of low rainfall. Water shall not be taken from the bores for this purpose for more than six months in each calendar year. The quantity taken from the bores for this purpose on any day shall not exceed 25% of the water demand from Marton and environs on that day, or 1200 cubic metres, whichever is the lesser.*

Thank you for the abstraction records received for the period 1 April 2016 – 30 March 2017. The records show that the quantities of water abstracted from the bore were very low. The bore provided water for Marton on Wednesday 9 November 2016 for three to four hours for servicing requirements. The bore was also activated 46 other times throughout the reporting period. The quantity abstracted from the bore did not exceed 25% of the water demand for Marton or 1200m<sup>3</sup> on any day.

**COMPLY - FULL**

- 3. *The Permit Holder shall undertake a further pump test when the pump to be used for water supply is installed in either Bore 1 or Bore 2. The Permit Holder shall set the test dates and the duration of the test in consultation with Canterbury (NZ) Malting Co Ltd and Supertex Industries Ltd. The Permit Holder shall monitor the water level in bores at the Malting Company and Supertex during the pump test. The Permit Holder shall supply a copy of the test results to the Regional Council's Resource Monitoring Manager.*

HRC received a step down test undertaken by MWH on the Calico Line Bore after redevelopment following the 2004 floods.

**COMPLY - FULL**

- 4. *The Permit Holder shall:*
  - a) *Have a flow meter installed on each bore while water is being taken from that bore;*

A flow meter is installed on Bore 1

**COMPLY - FULL**

- b) *Record the date, the maximum hourly rate of abstraction of water from each bore and the total quantity of water taken for each day that water is taken under Condition 2b;*

Total quantity of water abstracted each day from Bore 1 is recorded.

**COMPLY - FULL**

- c) *Record the date, the total daily quantity of water put through the Tutaenui Water Treatment Plant, the total daily quantity of water taken from the bores*

*and the maximum hourly rate of abstraction of water from each bore for each day that water is taken under Condition 2d; and*

The total daily quantity of water put through the Tutaenui Water Treatment Plant and the total daily quantity of water taken from bore 1 is recorded.

**COMPLY - FULL**

- d) *Supply a copy of the records required by Conditions 4b and 4c to the Regional Council's Resource Monitoring Manager in May of each year for the duration of this permit.*

Abstraction records were received for 1 April 2016 – 30 March 2017, from the data in Water Outlook, thank you .

**COMPLY - FULL**

5. *As soon as practical after 1 November and 1 April each year for the first 3 years and then each third year thereafter for the duration of the consent, the Consent Holder shall record the water level in the bores at Canterbury Malting company Ltd and Supertex and supply a copy of that record to the Regional Council's Resource Monitoring Manager. That copy shall accompany the record required by Condition 4d.*

HRC has no record of water levels from these bores being recorded. As I understand these bores have been decommissioned, therefore this condition is no longer practical to enforce. **No longer applicable**

The overall rating for this resource consent is **COMPLY - FULL**

### **Discharge Permit 6853 (Exisitng Use Protection Applies S124)**

2. *The wastewater shall consist only of alum sludge and filter backwash.*

**COMPLY - FULL**

3. *Before being discharged, the wastewater shall be treated by solids removal using two or more settling ponds located at or about map reference S22:144-319 and more particularly where shown on Plan C6853 which is attached to and forms part of this permit.*

There are 3 settling ponds at or about map reference S22:144-319.

**COMPLY - FULL**

4. *The maximum quantity of treated wastewater discharged into "B" dam shall not exceed 140 cubic metres per day.*

The reports submitted that have been produced via Water Outlook show that the discharge continuously exceeded the 140m<sup>3</sup>/day limit. **SIGNIFICANT NON-COMPLY**

5. *For the purposes of this permit, reasonable mixing is defined as the mixing of the treated wastewater with the water in "B" dam within 20 metres of the point of discharge.*
6. *After reasonable mixing the treated wastewater discharged shall not give rise to all or any of the following effects in the water in "B" dam:*
  - a. *the production of any conspicuous oil or grease films, scums or foams, or floatable or suspended materials;*
  - b. *any conspicuous change in the colour or visual clarity;*
  - c. *any emission of objectionable odour;*
  - d. *the rendering of fresh water unsuitable for consumption by farm animals;*
  - e. *any significant adverse effect on aquatic life.*

7. *After reasonable mixing the treated wastewater discharged shall not:*

- a. *make the water in "B" dam unsuitable for treatment (equivalent to coagulation, filtration and disinfection) for human consumption by the presence of contaminants;*
- b. *taint or contaminate the water in "B" dam so as to make it unpalatable or unsuitable for consumption by humans after treatment (equivalent to coagulation, filtration and disinfection) or unsuitable for irrigation.*

I did not inspect the discharge.

**NOT ASSESSED**

8. *After the settling ponds are commissioned, the District Council shall, on one day in every month during the first three years of the term of this permit and thereafter on one day in each of the months of February, May, August and September in each year:*
  - a. *inspect the integrity of the settling ponds and associated pipelines; and*
  - b. *measure and record the depth of wastewater and settled solids in the ponds; and*
  - c. *visually assess and record the absence, or presence and extent, of any discharge plume in "B" dam; and*
  - d. *sample the wastewater being discharged into "B" dam and sample the water in "B" dam at no less than two sites outside of the zone of reasonable mixing.*

Please ensure to provide a report to HRC with regard to the integrity of the ponds and pipelines, the depth of the wastewater and settled solids in the ponds and a record of the visual assessments of the discharge plume into B Dam. Thank you for the data showing the results of the samples discharge.

**COMPLY-FULL**

9. *The District Council shall determine and record the turbidity (in NTU) and the concentration of Aluminium for each sample taken under Condition 8.*

**COMPLY- FULL**

10. *The records required by Conditions 8 and 9 shall be supplied to the Resource Monitoring Manager of the Regional Council at six monthly intervals.*



As mentioned above the required sampling has been delayed by a leak in the pond walls that is causing short circuiting. Sampling is now underway again since the repair was fixed. Please continue to submit on a six monthly basis. **COMPLY - FULL**

The overall rating for this resource consent is **NON-COMPLY**

### **Water Permit 6929**

1. *The total daily quantity of water taken, at or about map reference S22:144-317, shall not exceed 6500 cubic metres.*

Abstraction records were submitted in a report from Water Outlook. The daily abstraction has been complied with during the reporting period.

**COMPLY-FULL**

2. *The Permit Holder shall keep a record of the quantity of water taken each day. A copy of this record shall be sent to the Regional Council's Manager of Resource Monitoring within 10 days of the end of each calendar month during the term of this permit.*

Water Outlook reports enable monthly reports to be submitted automatically. **COMPLY**

The overall rating for this resource consent is **COMPLY-FULL**

### **Water Permit APP-2014200014.00 Ratana**

The new bore has been in for five years with no abstraction. Currently the reservoir and treatment are being installed; this is due to be completed in July 2016. Therefore no assessment has been undertaken for this reporting period.

**NOT ASSESSED**

## CONCLUSION/RECOMMENDATIONS

RDC has achieved the following compliance ratings for consents as follows:

Taihape COMPLY-NEEDS ATTENTION, Mangaweka COMPLY-ON TRACK, Bulls COMPLY-FULL, Erewhon COMPLY-FULL, Omatane COMPLY –FULL, Hunterville COMPLY-NEEDS ATTENTION, Marton COMPLY-FULL (except for Consent 6853) SIGNIFICANT NON-COMPLY

If you have any more questions, please do not hesitate to contact me on 06 952 2947 or via email ([tracey.evans@horizons.govt.nz](mailto:tracey.evans@horizons.govt.nz)).

Kind Regards



Tracey Evans  
**CONSENTS MONITORING OFFICER**



**Table 1. Compliance Assessment Guideline for Individual Consents**

Site Compliance Grade	Examples
Comply - Exceeds	<ul style="list-style-type: none"> <li>Consent holder has implemented practices, procedures, systems that are over and above that required by the resource consent or consents for the site which are having a tangible environmental benefit.</li> </ul>
Comply - Full	<ul style="list-style-type: none"> <li>Complying with all conditions of consent; and/or</li> <li>A non-compliance has occurred beyond the control of the consent holder; and/or</li> </ul>
Comply	<ul style="list-style-type: none"> <li>One Minor Non-Compliance with a condition of the resource consent.</li> </ul>
Comply – At Risk	<ul style="list-style-type: none"> <li>At Risk grading identified against key condition(s) of one or more of consents for the site.</li> </ul>
Comply – On Track	<ul style="list-style-type: none"> <li>At risk grading identified AND site has entered into a Compliance Pathway Agreement (CPA) to reduce system risks and achieve best practice.</li> </ul>
Non-Compliance	<ul style="list-style-type: none"> <li>There have been two 'first time' Non -Compliances with the conditions of consent; and/or</li> <li>There has been one repeat Minor Non-Compliance with the same or similar condition.</li> </ul>
Significant Non-Compliance	<ul style="list-style-type: none"> <li>There has been at least one Significant Non-Compliance Rating with a condition; and/or</li> <li>There has been at least two repeat Non- Compliance Ratings associated with the same or similar condition; and/or</li> <li>There have been three or more 'first time' Non Compliance Ratings.</li> </ul>
Not assessed	<ul style="list-style-type: none"> <li>Monitoring has not been undertaken of this consent during the reporting period.</li> </ul>



**Table 2. Compliance Assessment Guideline for Individual Conditions**

Condition Compliance Grade	Adverse Effects Scale	Examples (not exhaustive)
Comply – Excellent	Nil.	Consent holder has implemented practices, systems, and procedures that are over and above that required by the resource consent and are having tangible environmental benefit.
Comply - Full	Nil.	Conditions of consent are fully complied with. Sampling out of sequence or late due to circumstances outside of consent holders control (e.g. flow related sampling).
Comply – At Risk	Nil – de-minimus. (dictionary: de-minimus - need not be considered. In terms of the RMA the term means an effect which is less than minor, of no consequence, so trifling that it should be disregarded).	Compliant at time of inspection but management / system deficiencies indicate there is a real risk of a non-compliance occurring (e.g. insufficient effluent storage, poor irrigator performance).
Comply – On Track	Nil – de-minimus.	System has been identified as At Risk, but the consent holder has agreed to enter into a Compliance Pathway Agreement (CPA) to ensure compliance is consistently achieved. Consent holder is currently complying with conditions of consent.
Minor Non-Compliance	De-minimus to less than minor.	One-off failure to comply with a condition of consent (e.g. One off minor exceedance in key parameter in 6-months worth of sampling (allows for two minor exceedances in a 12-month period). Intent of condition met however data and / or report provided late (no later than 6 weeks). First up failure to install a water meter for a small take (stockwater), provide management plan or environmental information (e.g. water quality information) within required timeframes.
Non Compliance	More than minor and / or ongoing (dictionary: defines 'minor' as lesser or comparatively small in size or importance). Ongoing (dictionary: continuing to exist).	Four minor exceedances of key parameters for one year's worth of sampling / data. Repeat failure to provide a report or monitoring data. Repeat Failure to undertake sampling. Failure to install water meter for a more than minor take (e.g. irrigation).
Significant Non-Compliance	More than minor to significant, serious and / or ongoing. Significant (dictionary: important, noteworthy, consequential). Serious (dictionary: important, demanding consideration, not slight). Ongoing: (dictionary: continuing to exist).	Water quality results indicate there is a potential for or an actual effect which is more than minor that is not authorised by the resource consent. Unauthorised discharge of wastewater / effluent into water or onto land where it may enter water, excessive ponding of effluent on the land surface. Repeated failure to provide a report/monitoring data/ management plans/install water metering equipment etc. Repeated failure to undertake sampling. Repeated failure to comply with authorised discharge or water take volumes.
Not Applicable		Applies to conditions that are no longer applicable. Generally relates to historic conditions that may require provision of a management plan, which has been provided and consent requires no further action.
Not Assessed		Monitoring not undertaken of consent condition.



## TABLED DOCUMENT

Tabled at Assets Infrastructure  
on 10 August 2017 Item 18.

### RDC ROADING REPORT: JULY 2017

#### 1. MAINTENANCE, OPERATIONS AND RENEWALS

- This year's resealing programme is 61 km in length.
- Pre-reseal repairs for the 2018/19 year are being programmed.

#### 2. CAPITAL PROGRAMME 2016/17

##### Area Wide Treatment sites

Location	Length	Start construction	Completed
Galpins Road (RP1080-1800)	720m	Prog. Oct-17	
Jefferson's Line (RP3840-4415)	575m	Prog. Sep-17	
Mangitipona Road (RP1520-2520)	2600m	Prog. Feb-18	
Okirae Road (RP0020-1930)	1910m	Prog. Nov-17	
Parewanui Road/Ferry Road Int (RP0500-0550)	75m	Prog. Apr-18	
Parewanui Road (RP2160-2800)	640m	17-Apr-17	Sep-17
Parewanui Road (RP5820-7780)	1960	Prog. Feb-18	

##### Minor safety improvements:

Location	Start construction	Completed
Turakina Valley Road 3 (RP 2075) Guardrail to bridge approach	Prog. Dec17	
Taihape Pungatawa Road RP 6700 – widen blind corner with large drop-off	Prog. Feb-18	
Turakina Valley Road 3 (Otiwhiti) RP 3040 – replace wire rope barrier with guardrail		

##### Mangaweka Bridge

An Indicative Business Case is expected to be completed by 30th June 2017. The Indicative Business Case will then be submitted to the Transport Agency for its consideration. If the recommendations are accepted a request will be made to the Regional Land Transport Committee to vary the 2017/18 Land Transport Programme to allow the project to proceed through the subsequent phases.

#### 3. EMERGENCY WORKS

Emergency Works events under repair during this financial year:

Event	Status
June-15	Completing remaining sites
April-17; cyclone Debbie	Designs and repairs for dropouts to be completed
July-17; Snow event	Assessing extent of roading damage

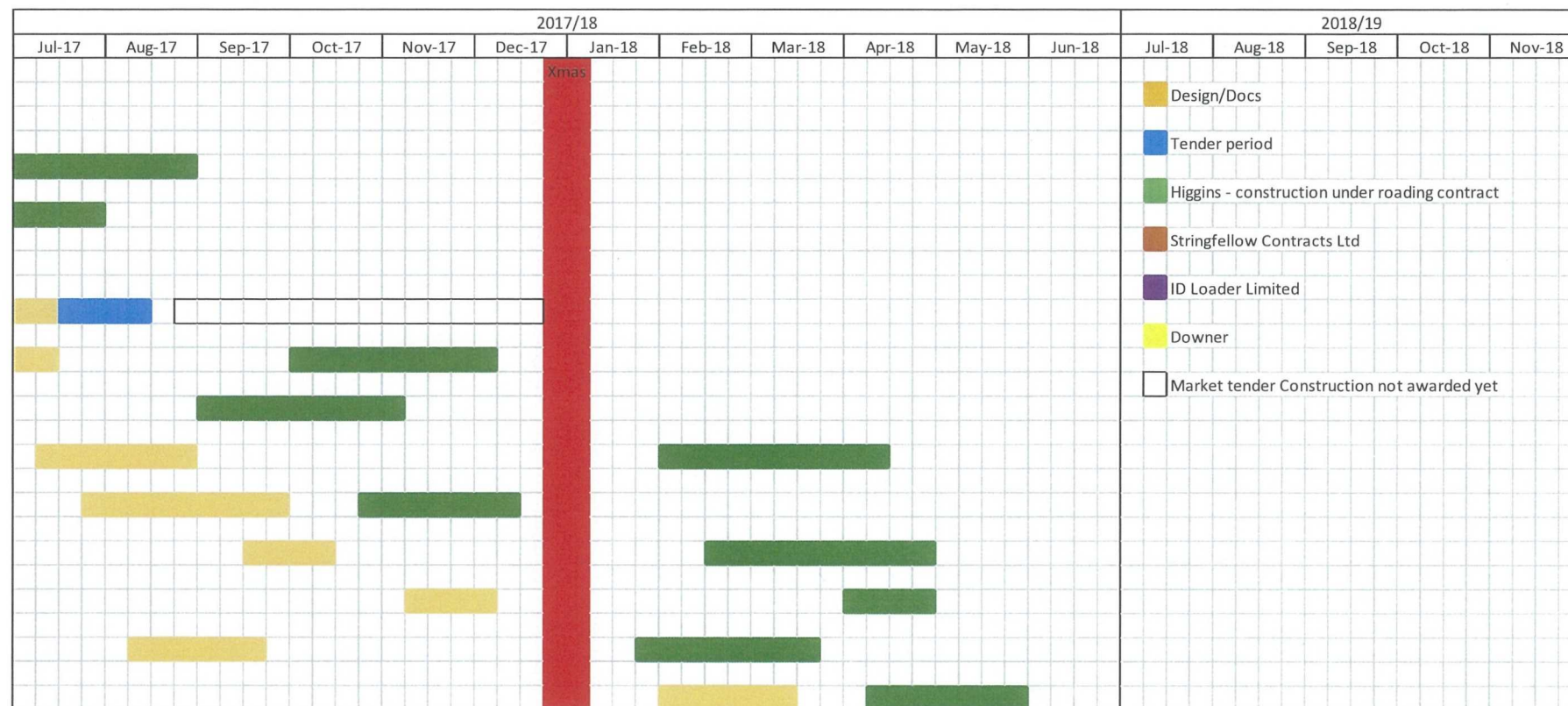
#### **4. OTHER PROJECTS**

Council is involved in the investigation and implementation of the following projects:

- The 3 km unsealed section of Turakina Valley Road 2 between McLeay's Bridge and near Mangahoe Road has been approved for seal extension. Sealing this section of road would provide an alternative sealed road to SH3.  
A 1km section starting at McLeay's bridge is under construction. Laying pavement aggregate is expected to be completed mid-June and first coat sealing will be completed weather permitting in July.  
The second stage is under design due to start March-18



## 5. PROGRAMME GANTT CHART



Expenditure for July was not available at the time of compiling this report.