

# Stratford District Council

## Water Supplies

Monitoring Programme

Annual Report

2023/24

Technical Report 2024-94





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### **Technical Report 2024-94**

Taranaki Regional Council  
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## Executive summary

The Stratford District Council (SDC) operates three water treatment plants (WTPs) in the Stratford District that supply water to Stratford, Midhirst and Toko. Each of the WTPs has a water take consent, and a consent to discharge backwash water either to land and/or to water.

This report for the period July 2023 to June 2024 describes the monitoring programme implemented by Taranaki Regional Council (the Council) to assess SDC's environmental and consent compliance performance during the period under review. The report also details the results of the monitoring undertaken and assesses the environmental effects of SDC's activities.

**During the monitoring period, SDC demonstrated a high level of environmental performance and high level of administrative performance.**

SDC holds three resource consents, which allow it to take and use water, three consents to discharge backwash onto land and into water, and two consents for land use to dam water behind concrete weirs. With consents 1337 (take and use water) and 6605 (discharge to land) being renewed in February 2024. These consents include a total of 59 conditions setting out the requirements that SDC must satisfy.

The Council's monitoring programme for the year under review included an annual inspection of all of SDC's water treatment plants, weirs and discharges, a review of abstraction and discharge data, and collection of a sample from the Stratford WTP backwash pond.

The monitoring showed that SDC's activities were being carried out in compliance with their consent conditions. As in previous years, the monitoring indicated that there were no adverse environmental effects to the surrounding environment due to its activities. There were no unauthorised incidents recording non-compliance in respect of this consent holder during the period under review.

For reference, in the 2023/24 year, consent holders were found to achieve a high level of environmental performance and compliance for 864 (89%) of a total of 967 consents monitored through the Taranaki tailored monitoring programmes, while for another 75 (8%) of the consents a good level of environmental performance and compliance was achieved. A further 26 (3%) of consents monitored required improvement in their performance, while the remaining two (<1%) achieved a rating of poor.

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

This report includes recommendations for the 2024/25 year, including a recommendation relating to an optional review of consents 0195-3.0, 1337-4.0, 2452-3.0, 5353-2.0 and 6605-2.0 in June 2025.



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# 1. Introduction

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

### 1.1.1 Introduction

This report is for the period July 2023 to June 2024 by Taranaki Regional Council (the Council) on the monitoring programme associated with resource consents held by Stratford District Council (SDC) for its water treatment plants (WTPs). SDC operates three public WTPs servicing the Stratford, Midhirst and Toko areas.

The report includes the results and findings of the monitoring programme implemented by the Council in respect of the consents held by SDC that relate to abstractions and discharges of water, and the damming of water behind concrete weirs. This report is the 27<sup>th</sup> annual report to be prepared by the Council to cover SDC's water abstractions, discharges and their effects.

### 1.1.2 Structure of this report

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

- consent compliance monitoring under the *Resource Management Act 1991* (RMA) and the Council's obligations;
- the Council's approach to monitoring sites through annual programmes;
- the resource consents held in relation to the WTPs;
- the nature of the monitoring programme in place for the period under review; and
- a description of the activities and operations conducted at SDC's WTPs and associated structures.

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

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

Section 4 presents recommendations to be implemented in the 2024/25 monitoring year.

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

### 1.1.3 The Resource Management Act 1991 and monitoring

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

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

In drafting and reviewing conditions on discharge permits, and in implementing monitoring programmes, the Council is recognising the comprehensive meaning of 'effects' in as much as is appropriate for each activity. Monitoring programmes are not only based on existing permit conditions, but also on the obligations of the RMA to assess the effects of the exercise of consents. In accordance with Section 35 of the RMA, the Council undertakes compliance monitoring for consents and rules in regional plans, and maintains an overview of the performance of resource users and consent holders. Compliance monitoring, including both activity and impact monitoring, enables the Council to continually re-evaluate its approach and that of consent holders to resource management and, ultimately, through the refinement of methods and considered responsible resource utilisation, to move closer to achieving sustainable development of the region's resources.

### **1.1.4 Evaluation of environmental performance**

Besides discussing the various details of the performance and extent of compliance by the consent holders, this report also assigns a rating as to each Company's environmental and administrative performance during the period under review. The rating categories are high, good, improvement required and poor for both environmental and administrative performance. The interpretations for these ratings are found in Appendix II.

For reference, in the 2023/24 year, consent holders were found to achieve a high level of environmental performance and compliance for 864 (89%) of a total of 967 consents monitored through the Taranaki tailored monitoring programmes, while for another 75 (8%) of the consents a good level of environmental performance and compliance was achieved. A further 26 (3%) of consents monitored required improvement in their performance, while the remaining two (<1%) achieved a rating of poor.<sup>1</sup>

## **1.2 Process description**

### **1.2.1 Stratford water supply**

The municipal water supply is abstracted from the Pātea River (main supply) and the Konini Stream (supplementary supply) by means of weirs on these watercourses. The Konini weir requires boards to be installed over the summer low flow period to divert the flow down the fish pass, allowing for fish passage and enabling it to take water to supplement their take from the Pātea. At the WTP located on Cardiff Road, water is filtered using membrane filters and then treated with chlorine and fluoride for domestic supply before being pumped to a nearby reservoir. The water supply is reticulated to approximately 2,300 separate customers.

Filter backwash is discharged via a large pond. The outlet from the pond is an inverted pipe located at the opposite end of the pond from the inlet. The discharge from the pond emerges from the pipe to fall over a small waterfall. At the base of the waterfall the discharged water runs down a natural cobbled channel beneath native riparian vegetation for approximately 10m before entering the Pātea River, downstream of the intake weir.

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<sup>1</sup> The Council has used these compliance grading criteria for more than 20 years. They align closely with the 4 compliance grades in the MfE Best Practice Guidelines for Compliance, Monitoring and Enforcement, 2018

## 1.2.2 Midhirst water supply

The Midhirst community WTP, which supplies to 92 properties, originally supplied the former Midhirst dairy factory. Water is pumped from the Te Popo Stream (through a small filter attached to a flexible hose within the stream), to the treatment plant. The water is filtered and treated with chlorine, following that, the water is pumped to a reservoir, which has a probe switch to initiate pumping at the treatment plant when the water level in the reservoir is low. The plant runs intermittently and is triggered when the reservoir levels fall below 93%, which is to ensure that there is approximately one weeks' worth of supply in the event that the plant cannot run or the river water quality is not treatable. From the reservoir, the treated water returns to the treatment plant where a booster pump drives it into the Midhirst reticulation system at an acceptable mains pressure. A large storage tank onsite acts as a reservoir for firefighting. The filtered backwash water is discharged from the WTP onto land via a soakage hole.

## 1.2.3 Toko water supply

The Toko rural water supply, which supplies 32 properties, was originally the water supply for the former Toko dairy factory. Water is pumped from a bore to a small shed where it is filtered and then chlorinated. At the time of the report being written, SDC utilised three tanks to store the filtered water for Toko. The tanks have probe switches to initiate pumping when the water levels in the tanks fall below 80%. The pumps are operated so as to work gradually for longer periods rather than at high rates for short periods. The filter is backwashed once per week to a series of two soak holes.

## 1.3 Resource consents

SDC holds eight resource consents, with consents 1337 and 6605 being renewed in February 2024. The details of which are summarised in Table 1 below, and the locations are shown in Figure 1. Summaries of the conditions attached to each permit are set out in Section 3 of this report.

A summary of the various consent types issued by the Council is included in Appendix I, as are copies of all permits held by the Company during the period under review.

Table 1 Summary of current consents held by SDC in relation to public water supplies

Consent number	Purpose	Granted	Review	Expires
Water abstraction permits				
0195-3.0	To take and use water from the Pātea River and the Konini Stream to provide a public water supply to Stratford	16 Oct 2017	June 2025	1 Jun 2034
1276-3.0	To take water from the Te Popo Stream a tributary of the Manganui River in the Waitara catchment for Midhirst community public water supply purposes	24 May 2011	-	Expired – s124 protected
1337-3.0	To take and use groundwater from a bore in the vicinity of the Toko Stream in the Pātea catchment for Toko rural water supply purposes	17 Jun 2005	-	Expired – s124 protected
1337-4.0	To take and use groundwater from a bore for Toko rural water supply purposes	29 February 2024	June 2025	1 June 2040
Water discharge permits				
0068-4.0	To discharge settled filter backwash water from the Stratford Municipal Water Treatment Plant via a settling pond into the Pātea River	24 June 2026	June 2028	1 June 2034

Consent number	Purpose	Granted	Review	Expires
1331-3.0	To discharge treated filter backwash water from the Midhirst Water Treatment Plant onto land via a soak hole	27 May 2016	June 2027	1 June 2033
6605-1.1	To discharge treated filter backwash water from the Toko Water Treatment Plant into a soak hole adjacent to the Manawawiri Stream	27 May 2016	-	Expired – s124 protected
6605-2.0		29 February 2024	June 2025	1 June 2040
Land use permits				
2452-3.0	To dam water in the Konini Stream with a 1m concrete weir for the Stratford town water supply	25 September 2017	June 2025	1 June 2034
5353-2.0	To dam water in the Patea River with a 2.3m concrete weir for the Stratford town water supply	25 September 2017	June 2025	1 June 2034



Figure 1 Location of SDC's water supply consents in the Stratford District

## 1.4 Monitoring programme

### 1.4.1 Introduction

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

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

The monitoring programme for SDC's WTPs consisted of four primary components.

### **1.4.2 Programme liaison and management**

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

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

### **1.4.3 Site inspections**

All of SDC's WTPs, and its associated structures, were each visited during the monitoring period. With regard to consents for the abstraction of or discharge to water, the main points of interest were backwash discharges, intake structures, and water metering equipment. Sources of data being collected by SDC were identified and accessed, so that performance in respect of operation, internal monitoring, and supervision could be reviewed by the Council. The neighbourhood was surveyed for environmental effects.

### **1.4.4 Chemical sampling**

The Council undertook sampling of the backwash discharge at the Stratford WTP once, and the sample was analysed for free available chlorine, pH, suspended solids and turbidity.

### **1.4.5 Data Review**

All of the water abstraction consents held by SDC in regard to WTPs contain a condition which requires SDC to keep records of abstraction volumes and make these records available to the Council upon request. Live data from Stratford, Midhirst, and Toko WTPs is telemetered to Council databases. All data is reviewed to assess compliance in regard to volumes and abstraction rates of water taken.

### **1.4.6 Hydrological monitoring**

A requirement of SDC's Stratford WTP consent is to ensure regular low flow gauging's are undertaken near to the site of take, so that a reasonable estimation of mean annual low flow can be made. Flow gauging's occur on the Pātea River and Konini Stream above the intake structures over the summer "low flow" period to meet this condition. The Midhirst WTP water take consent is currently under renewal, and it requires a mean annual low flow to be determined. There is currently insufficient flow information to determine this, therefore flow gaugings are being undertaken in the Te Popo Stream to address this.

## 2. Results

### 2.1 Water

#### 2.1.1 Inspections

Inspections occurred at each of the WTPs on 4 April 2024 and focussed on the flow meters, abstraction rates/volumes, discharges and, where applicable, the intake structures, and the condition of weirs and fish passes.

##### 2.1.1.1 Stratford WTP

The abstraction from the Pātea River at the time of the inspection was 152.9m<sup>3</sup>/hr, which is equivalent to 42.5L/s. The raw water turbidity entering the plant was 1.05ntu, pH was 7.98, and the conductivity was 88.22µS/cm. The weir structure was in a good condition. There is no fish pass on this site, as to prevent non-native fish from migrating upstream. The intake was screened.

The backwash holding pond was inspected, and a water sample was obtained. The sample appeared clear and uncoloured, and there was no foam, odour or sheen. The water temperature, and free available chlorine was tested at the time of sampling. The downstream area beyond the mixing zone was observed, no adverse visual effects of the discharge upon the receiving water were evident.

At the Konini Stream contingency site the abstraction at the time of the inspection was 58m<sup>3</sup>/hr, which is equivalent to 16.1L/s. The removable boards were in place due to low flows in the Pātea River and would be removed once river flows increased. There was some water flowing over the boards. The water appeared clear and uncoloured, and there was no sheen, odour or foam. The intake was screened and the intake structure was in good condition. The fish pass was unobstructed by debris and water was flowing freely over it. Staff noted that there was a slight drop at the end of the fish pass, as well as what appeared to be a scour hole adjacent to the structure.

##### 2.1.1.2 Midhirst WTP

The plant was not operating at the time of the inspection. The plant runs intermittently and is triggered when the reservoir levels fall below 93%. The river level was low, the water appeared clear and uncoloured. There was no sheen, odour or foam noted at this location. No water samples were taken.

##### 2.1.1.3 Toko WTP

The plant was not operating at the time of inspection. The sampling point is easily accessible and is situated at the head of the soak field. Bore (GND0155) was observed on site and was labelled with a metal plate. The plant runs intermittently and is activated when the reservoir levels drop to 80%.

### 2.1.2 Results of discharge monitoring

A sample of the filter backwash discharge from the Stratford WTP settling pond was collected on 4 April 2024. Results were found to be within the limits set by the consent conditions (Table 2).

Table 2 Sample from backwash pond at Stratford (site STW002034) on 4 April 2024

Parameter	Units	Result	Consent 0068-3 limits
Free chlorine	mg/L	0.02	≤0.1
pH	pH	7.1	6.0 – 9.0

Parameter	Units	Result	Consent 0068-3 limits
Suspended solids	g/m <sup>3</sup>	<3	20
Turbidity	FNU	1.40	-

### 2.1.3 Provision of consent holder data

SDC provided data from all three plants via telemetry. The data was assessed against either daily volumes and/or instantaneous take rates depending on consent conditions. A summary of compliance in regard to abstraction data is given in Table 3 and Figure 2.

Table 3 Summary of compliance with abstraction data and abstraction limits

Site	Consent	Maximum rate (consented rate) L/s	Maximum volume (consented volume) m <sup>3</sup> /day	Annual Volume Usage m <sup>3</sup>
Stratford (Pātea)	0195-3.0	60.1 (61)	4316 (n/a)	1,045,769
Stratford (Konini)		18.7 (20)	1491 (n/a)	79,398
Midhirst	1276-3.0	3.4 (5)	253 (432 Apr-Oct) 232 (254 Nov-Mar)	43,720
Toko	1337-3.0/1337-4.0	2.7 (5.6)	72 (80)	7,444

Consent 0195-3 requires that when the flow in the Pātea River at Skinner Rd falls below 780L/s that SDC reduce the take from the Pātea River to 41L/s and start taking from the Konini Stream at a rate no greater than 20L/s. Under these conditions SDC are required to ensure that the combined abstraction remains below 61L/s, unless there has been plant failure and there is the need to restock the reservoirs. If this occurs SDC may take at a rate of up to 81L/s. SDC were compliant with this consent condition, as shown in Figure 2.

The abstraction data for this consent is in fact a calculation, as the intake pipe is some 9m deep in the ground and cannot be accessed to record abstraction rates. The abstraction is determined by the flowmeter readings taken out of the grit tank and then subtracting the backwash flow data. SDC had funding to upgrade this system in the 2022/23 period, but it was decided not to go ahead with the full project, therefore the delivery line wasn't replaced and the flow meter was not put in. However, SDC are still in discussions with a consultant about the feasibility of upgrading just the grit settlement tanks, which are situated between the delivery line and the WTP.

The Midhirst WTP has two abstraction volume limits dependent on the time of year. From April to the end of October, the limit is 432m<sup>3</sup>/day and from November to the end of March it is 254m<sup>3</sup>/day, as an average per calendar month. The highest average daily volume was recorded in July with 253m<sup>3</sup>/day. The consent also stipulates a maximum annual abstraction of no more than 90,000m<sup>3</sup>/year, which SDC complied with, only taking 43,720m<sup>3</sup> for the year.

The Toko WTP was compliant with its consent, taking at a maximum rate of 2.7L/s and maximum daily volume of 72m<sup>3</sup>/day, which was within its consented limits (+/- 5%) of 5.6L/s (rate) and 80m<sup>3</sup>/day (daily volume).



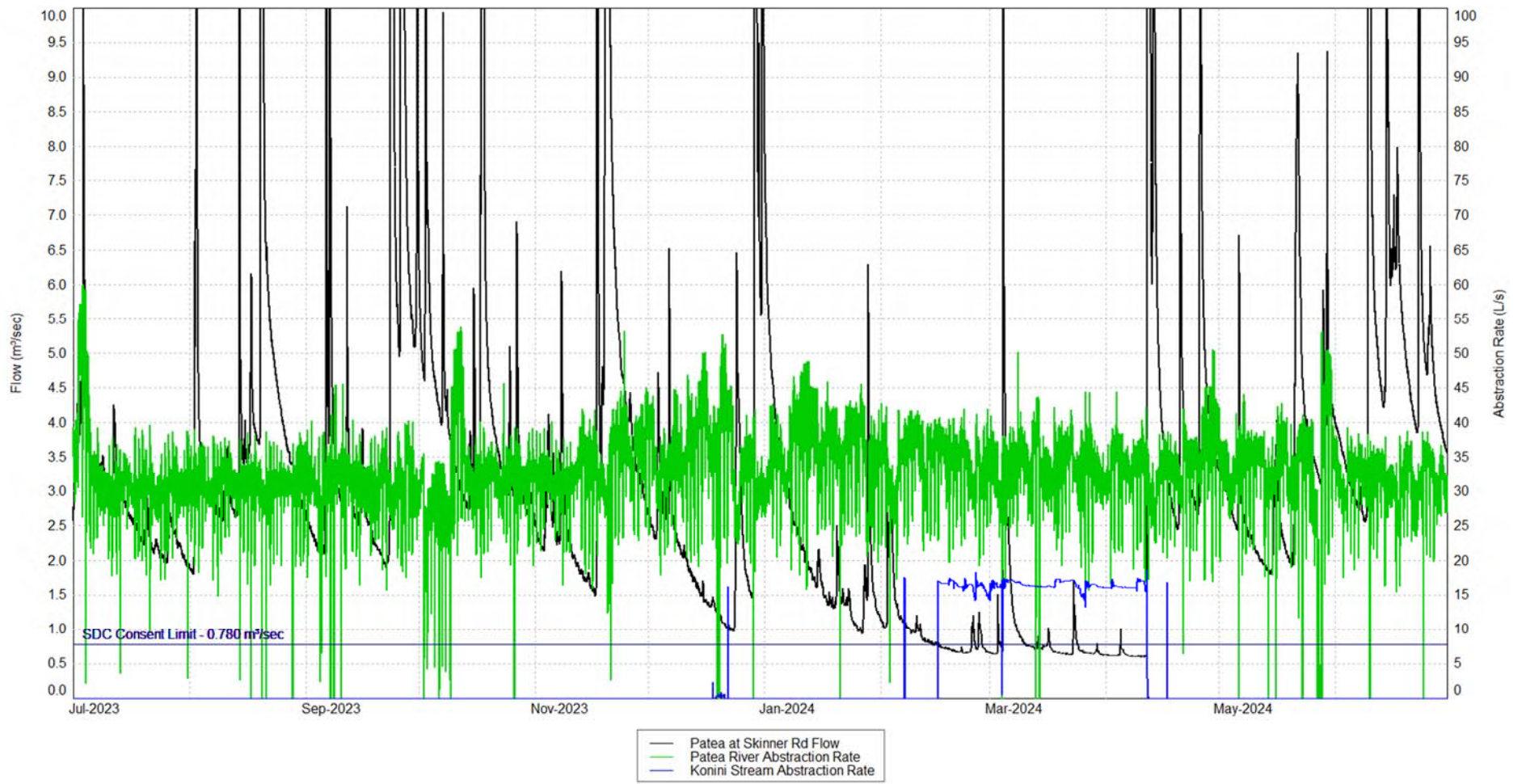


Figure 2 SDC Patea WTP abstraction with Patea at Skinner Rd flow 2023/24



## 2.1.4 Hydrological data

Flow gauging's were completed on the Pātea River and Konini Stream for the Stratford WTP and on the Te Popo Stream for the Midhirst WTP. The results are shown in Table 4.

Table 4 Flow gaugings undertaken for the Stratford and Midhirst WTP's

Date	Patea at Cardiff Rd Flow (L/s)	Konini at Cardiff Rd Flow (L/s)	Te Popo at SH3 Flow (L/s)
18-Dec-2023	188	115	351
22-Jan-2024	179	90	-
24-Jan-2024	-	-	387
26-Feb-2024	155	61	358

At the time of these gauging's, abstraction was occurring from the Pātea River and Te Popo Stream. For the Konini Stream flow gaugings, abstraction was only occurring on the February occasion. Flow conditions for each gauging were low to moderate and the water was cool and clear.

## 2.1.5 Konini Stream Weir Boards

Historically, triennially Fish and Game undertook a fish spawning survey in the Konini Stream to assess the effectiveness of the fish pass and reported to SDC and Council of its findings. In the last survey, which was undertaken in 2020, Fish and Game recommended the following:

- That the SDC operating procedure for the placement and removal of the Konini Stream weir boards is formalised with the Council in writing, and that the SDC notifications are recorded and included in the Council Annual Monitoring Reports for the water supply consents;
- That the 3-yearly trout spawning surveys are discontinued (given certainty that the weir boards will be removed at the end of each summer);
- That the fish pass is inspected once Council has been notified that the weir boards have been put in place and when the weir boards are about to be removed.

Since then SDC have developed a procedure and notify the Council when it has installed the boards and when it has removed them. For the 2023/24 monitoring period, Council was notified of the installation of the boards on 14 November 2023, and were advised of the removal of the boards on 17 April 2024.

## 2.2 Leak detection and water conservation

### 2.2.1 Stratford WTP

Special condition 11 of consent 0195-3 requires;

*Each year the consent holder shall prepare a report detailing:*

- the work done to detect and minimise leaks in the area supplied, and*
- water use efficiency and conservation measures undertaken in the area supplied.*

#### Leak detection minimisation

The five main methods the SDC uses to address leak detection and minimisation are:

- Leak detection surveys;
- Response to reported leaks within the reticulation network;
- Pressure Reducing Valve (PRV) station data;

- Quarterly water meter readings; and
- Assisting to locate leaks on private property.

Leak detection surveys are a method used to identify areas of high water losses within the network. The method is untargeted and was not employed during the monitoring period.

PRVs and zoning meters have been installed across the reticulation network. These include four locations on the eastern side of the rail corridor, within the Stratford Township. Prior to the installation of these, when leaks were experienced in mainlines, the eastern extent of the reticulation network experienced significant water losses. Since the installation, if leaks occur, the volume of water lost is significantly less than prior to the installation over the same time period.

The PRV stations are metered, with the intention that over time, it will allow SDC to monitor average daily flows across the network and identify any increase in usage within a particular network zone, potentially caused by undetected leaks. This will allow SDC to focus its response resources in a targeted way.

Responding to leaks reported by the public is on-going, with SDC having set targets and response times for responding to leak complaints and repairs. These targets are based on how urgent the leaks are deemed to be. This year SDC met all response time targets. This is reported to their Elected Members each month as required by Department of Internal Affairs.

SDC regularly assists residents to locate water leaks on their properties, by loaning water meters to property owners, so they can investigate their infrastructure, for any potential issues. The use of water meters on commercial, rural and high water using properties has been very effective at identifying leaks. Meters are read quarterly and higher than normal daily usage is picked up. SDC liaises with these property owners to identify and fix leaks. This information is kept and is used for rate remission purposes.

During the 2023/24 year elected members voted to change the rate remission policy to only allow a rate remission for water losses every three years instead of one year as the policy previously allowed, with the rationale being it would promote water conservation through costs apportioned to the responsible property owners.

In 2021/22 SDC invested in electronic water meters to replace the existing mechanical ones, which have the functionality to alert for acute excessive water use. This investment, further assists SDC's water conservation efforts.

During this reporting period, SDC awarded a contract to upgrade all existing toby's in Stratford to a new manifold type connection, which accommodate electronic water meters. As these connections are being installed, water meters are also being installed. This work is expected to be completed in the 2024/25 financial period, with households being charged for excessive usage from the 2025/26 period. It is envisaged that once this charging begins, water users will become more proactive at determining the source of leaks and fixing them, as was the case for users in Toko and Midhirst.

## 2.2.2 Midhirst WTP

Special condition 7 of consent 1276-3 requires;

*The consent holder shall on an annual basis prepare a report detailing:*

- the work done to detect and minimise leaks in the area supplied; and*
- water use efficiency and conservation measures undertaken in the area supplied.*

### Leak detection minimisation

The three main methods SDC uses to address leak detections and minimisations are:

- Leak detection surveys;

- Response to public reported leaks in a timely manner; and
- Assist with locating leaks on private property.

No ultra-sonic leak detection survey was undertaken during the period under review, as it was considered unnecessary. SDC had set targets to respond to and repair/isolate leaks, which they achieved for the monitoring year.

All of Midhirst is metered, and this has shown to be very effective at identifying leaks. Meters are read quarterly and higher than normal daily usage is picked up. SDC liaise with these property owners to identify and fix leaks.

Where irregular outflows have been found in Midhirst or Toko supplies, Council has proactively and efficiently read all of the meters via wireless communication and compared the usage data to what has left the reservoir(s) for supply; this method of leak detection has been invaluable in determining whether a leak is within private property or within the network itself.

### 2.2.3 Water use efficiency and conservation measures

SDC uses the following methods to address efficiency and conservation needs:

- Water metering;
- Network management;
- Bench loss surveys;
- Water restrictions during low summer flows; and
- Customer notices and advice.

In SDC's Long Term Plan 2021-2031 SDC have budgeted for universal water metering to be implemented across all three supply schemes. During the 2023/24 year, the roll out had begun in Stratford and is likely to be completed in the 2025/26 period.

Bench loss is a recognised tool used nationally by which each district council must calculate and report on the efficiency of its water reticulation network. The standard measures the loss/wastage within the system and is expressed as a percentage of water loss verses the water produced. SDC have a Council wide target over the three WTP's to achieve less than 25% water loss. For the monitoring period under review Stratford had 8.6% loss, Midhirst had 10.6% loss and Toko WTP had 4.1% loss.

Clause 15.4 of Stratford District Council's Water Supply Bylaw 2019 allows SDC to impose water restrictions, or prohibit the use of water for any specified purpose, for any specified period, for all its customers. In the period under review SDC imposed a total of 58 days of restrictions commencing 17 February 2024 and ending 15 April 2024.

From time to time, SDC uses its social media platform on Facebook, Antenno and/or newspaper advertisement and CentralLink to advise the public on water efficiency and conservation practices, as well as alerting them to any potential issues with the networks or supplies. This also includes part of an education campaign by the Stratford waste and water education officer.

SDC is keenly aware of the value and cultural significance of water resources, and the need to make the best use of the allocation afforded. To this end SDC has reviewed its other processes and considered the methodologies adopted achieve meaningful efficiencies, and further investment, as adopted in its Long-Term Plan, in infrastructure replacements and upgrades will naturally lead to improved water conservation outcomes.

## 2.3 Incidents, investigations, and interventions

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

For all significant compliance issues, as well as complaints from the public, the Council maintains a database record. The record includes events where the individual/organisation concerned has itself notified the Council. Details of any investigation and corrective action taken are recorded for non-compliant events.

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

In the 2023/24 period, the Council was not required to undertake significant additional investigations and interventions, or record incidents, in association with SDC's conditions in resource consents or provisions in Regional Plans.

## 3. Discussion

### 3.1 Discussion of site performance

In the period under review SDC demonstrated a high level of performance in relation to its WTPs. Abstraction rates and volumes were complied with 100% of the time.

Reports detailing work done to detect and minimise leaks, and water use efficiency and conservation measures undertaken, as per condition 11 of consent 0195-3 and condition 7 of 1276-3 were provided by SDC.

### 3.2 Environmental effects of exercise of consents

The backwash pond at the Stratford WTP was sampled and found to comply with consent conditions and no adverse environmental effects were observed in the Pātea River during inspection.

It has previously been noted that the weir in the Pātea River is likely to present a barrier to the passage of trout. However, this effect may be beneficial in providing a trout-free reserve for native fish upstream of the weir. Consent 5353-1 required the installation of a structure at the weir that provides unrestricted passage of fish by 1 July 2005. However, as a requirement of the new consents granted for the Pātea hydro-electric dam (located downstream of the weir), 'target species' juveniles are to be manually transferred into the headwaters of the Pātea Catchment from the lower river. One of the release sites is located immediately upstream of the weir. To date, the trap and transfer has not been as effective as hoped, with modifications currently being made by the company to improve the trapping effectiveness of these target species. The success of the upstream transfer programme will be assessed once the improvements have been made to the trap and transfer system, at which point, it will be determined whether this fish pass requirement should remain on hold. If the transfer of juvenile fish into the headwaters is abandoned, it is likely that a fish pass will need to be installed.

Monitoring of the Toko and Midhirst WTPs indicated that these plants were not having any adverse effects on the environment.

Overall no adverse effects were noted during the monitoring period.

### 3.3 Evaluation of performance

A tabular summary of the consent holder's compliance record for the year under review is set out in Tables 5-14.

#### 3.3.1 Stratford WTP

Table 5 Summary of performance for consent 0068-4

Purpose: To discharge settled filter backwash from the Stratford Municipal Water Treatment Plant via a settling pond into the Patea River		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Adopt best practice	Inspection	Yes
2. Discharge shall not give rise to certain effects in the Pātea River below the mixing zone	Inspection and sampling	Yes
3. Limits on pH, suspended solids and chlorine in the discharge	Sampling and data review	Yes
4. Provide access to discharge point	Inspection	Yes

<b>Purpose: To discharge settled filter backwash from the Stratford Municipal Water Treatment Plant via a settling pond into the Patea River</b>		
<b>Condition requirement</b>	<b>Means of monitoring during period under review</b>	<b>Compliance achieved?</b>
5. Optional review provision	Next consideration June 2025, recommendation provided in Section 3.6	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		<b>High</b>
Overall assessment of administrative performance in respect of this consent		<b>High</b>

N/A = not applicable

Table 6 Summary of performance for consent 0195-3

<b>Purpose: To take and use water from the Pātea River and the Konini Stream to provide a public water supply to Stratford</b>		
<b>Condition requirement</b>	<b>Means of monitoring during period under review</b>	<b>Compliance achieved?</b>
1. Limit on abstraction rates during normal flows	Review of data	Yes
2. Extra taking allowed during reservoir refilling	Liaison with consent holder	N/A
3. Notification when take exceeds 61L/s under condition 2	Liaison with consent holder	N/A
4. Implementation of water conservation measures/restrictions when flow in Pātea River at or below certain flows	Liaison with consent holder – restrictions imposed as required	Yes
5. Undertake low flow gaugings	Flow gaugings completed	Yes
6. Installation of a water meter and data logger	Inspection	Yes
7. Certification and verification of equipment	NES verification February 2021	Yes
8. Notification of equipment failure	Liaison with consent holder	N/A
9. Equipment to be accessible to Council staff	Inspection	Yes
10. Records to be telemetered to Council database within 2 hours	Data received	Yes
11. Provide report on leak detection and conservation by 1 September annually	Report received	Yes
12. Four annual financial contributions to offset environmental effects	Fulfilled September 2021	N/A
13. Intakes to be screened to prevent entrainment of fish	Inspection	Yes
14. Optional review provision	Next consideration June 2025, recommendation provided in Section 3.6	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		<b>High</b>
Overall assessment of administrative performance in respect of this consent		<b>High</b>

N/A = not applicable

Table 7 Summary of performance for Consent 2452-2

Purpose: To dam water in the Konini Stream with a 1m concrete weir for the Stratford town water supply		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Adopt best practice	Inspection	Yes
2. Discharge shall not give rise to certain effects in the Pātea River below the mixing zone	Inspection and sampling	Yes
3. Limits on pH, suspended solids and chlorine in the discharge	Sampling and data review	Yes
4. Provide access to discharge point	Inspection	Yes
5. Optional review provision	Next consideration June 2025, recommendation provided in Section 3.6	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		<b>High</b>
Overall assessment of administrative performance in respect of this consent		<b>High</b>

N/A = not applicable

Table 8 Summary of performance for Consent 5353-2

Purpose: To dam water in the Patea River with a 2.3m concrete weir for the Stratford town water supply		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Maintain the weir so that it remains sound and fit for purpose	Inspection	Yes
2. Repair any erosion or scour of the river bed or banks caused by the weir	Inspection	Yes
3. Optional review provision	Next consideration June 2025, recommendation provided in Section 3.6	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		<b>High</b>
Overall assessment of administrative performance in respect of this consent		<b>High</b>

N/A = not applicable

### 3.3.2 Midhurst WTP

Table 9 Summary of performance for Consent 1276-3

Purpose: To take water from the Te Popo Stream a tributary of the Manganui River in the Waitara catchment for Midhurst community public water supply purposes		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
1. Exercise of consent in accordance with information submitted in support of application	Inspection and liaison with consent holder	Yes
2. Adoption of best practicable option	Inspection and liaison with consent holder	Yes
3. Limit of abstraction rate	Review of data	Yes
4. Average monthly rate not exceed 254m <sup>3</sup> /day between November and March	Review of data	Yes
5. Rate of abstraction not to exceed 432m <sup>3</sup> /day between April and October	Review of data	Yes
6. Total amount of water taken not to exceed 90,000m <sup>3</sup> /annum	Review of data	Yes
7. Annual report on leaks and water efficiency and conservation	Report received	Yes

<b>Purpose: To take water from the Te Popo Stream a tributary of the Manganui River in the Waitara catchment for Midhirst community public water supply purposes</b>		
<b>Condition requirement</b>	<b>Means of monitoring during period under review</b>	<b>Compliance achieved?</b>
8. Screening of intake structures	Inspection	Yes
9. Installation and operation of meter to record abstraction volumes and provide data	Inspection and review of data	Yes
10. Monitoring of flows	Flow gaugings completed	Yes
11. Optional review provision	No further option to review	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		<b>High</b>
Overall assessment of administrative performance in respect of this consent		<b>High</b>

N/A = not applicable

Table 10 Summary of performance for Consent 1331-3

<b>Purpose: To discharge treated filter backwash water from the Midhirst WTO into the Te Popo Stream in the Waitara Catchment via a soak hole</b>		
<b>Condition requirement</b>	<b>Means of monitoring during period under review</b>	<b>Compliance achieved?</b>
1. Limit on discharge rates	Review of data	Not assessed
2. Proper and efficient maintenance of soak hole system	Inspection	Yes
3. Optional review provision	Next consideration June 2027	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		<b>High</b>
Overall assessment of administrative performance in respect of this consent		<b>High</b>

N/A = not applicable

### 3.3.3 Toko WTP

Table 11 Summary of performance for Consent 1337-3 (to 29 February 2024)

<b>Purpose: To take water and use groundwater from a bore for Toko rural water supply purposes</b>		
<b>Condition requirement</b>	<b>Means of monitoring during period under review</b>	<b>Compliance achieved?</b>
1. Adoption of best practicable option	Inspection and review of data	Yes
2. Consent to be exercised in accordance with the application	Inspection and review of data	Yes
3. Notification to Council prior to exercise of consent	N/A	N/A
4. Limit on abstraction rate and daily volume	Review of data	Yes
5. Installation and operation of meter to record abstraction volumes and provide data	Inspection and review of data	Yes
6. Lapse provision	N/A	N/A
7. Optional review provision	No further option to review	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		<b>High</b>
Overall assessment of administrative performance in respect of this consent		<b>High</b>

N/A = not applicable



Table 12 Summary of performance for Consent 1337-4 (from 29 February 2024)

<b>Purpose: To take water and use groundwater from a bore for Toko rural water supply purposes</b>		
<b>Condition requirement</b>	<b>Means of monitoring during period under review</b>	<b>Compliance achieved?</b>
1. Bore labelled	Inspection	Yes
2. Limit on abstraction rate and volume	Review of data	Yes
3. Transmission of data to Council within 2 hours of being recorded	Data received	Yes
4. Installation and operation of meter to record abstraction volumes and certification and verification of equipment	NES verification February 2021	Yes
5. Bore has a dip tube	Inspection	Yes
6. Abstraction shall not cause more than 10% lowering of adjacent bores	Monitoring	Yes
7. The take shall not cause the intrusion of contaminants, including salt water	Review of data	Yes
8. Adoption of best practicable option	Inspection and liaison with consent holder	Yes
9. Lapse provision	Consent exercised	Yes
10. Optional review provision	Next consideration June 2025, recommendation provided in Section 3.6	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		<b>High</b>
Overall assessment of administrative performance in respect of this consent		<b>High</b>

N/A = not applicable

Table 13 Summary of performance for Consent 6605-1 (to 29 February 2024)

<b>Purpose: To discharge treated filter backwash water from the Toko Water Treatment Plant into a soak hole adjacent to the Manawawiri Stream</b>		
<b>Condition requirement</b>	<b>Means of monitoring during period under review</b>	<b>Compliance achieved?</b>
1. Limit on discharge volume	Review of data	Not assessed
2. Maintenance and operation of soak hole to ensure compliance with consent conditions	Inspection	Yes
3. Discharge not to exceed 0.1g/m <sup>3</sup> free chlorine at any time	Inspection	Yes
4. Optional review provision	No further option for review	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		<b>High</b>
Overall assessment of administrative performance in respect of this consent		<b>High</b>

N/A = not applicable

Table 14 Summary of performance for Consent 6605-2 (from 29 February 2024)

<b>Purpose: To discharge treated filter backwash water from the Toko Water Treatment Plant into a soak hole adjacent to the Manawawiri Stream</b>		
<b>Condition requirement</b>	<b>Means of monitoring during period under review</b>	<b>Compliance achieved?</b>
1. Consent to be exercised in accordance with the application	Inspection and review of data	Yes
2. Adoption of best practicable option	Inspection and review of data	Yes
3. Land area for backwash must be no less than 12.6m <sup>2</sup>	Inspection and liaison with consent holder	Yes
4. Discharge volume shall not exceed 15m <sup>3</sup> /day	Review of data	Not assessed

Purpose: To discharge treated filter backwash water from the Toko Water Treatment Plant into a soak hole adjacent to the Manawawiri Stream		
Condition requirement	Means of monitoring during period under review	Compliance achieved?
5. Access to the discharge sampling location	Inspection	Yes
6. Quarterly water quality sampling undertaken and provided to Council	Review of data	Yes
7. Maintenance of soak hole and trench	Inspection	Yes
8. No noxious, dangerous, offensive or objectionable odour at or beyond the boundary	Inspection and liaison with consent holder	Yes
9. Optional review provision	Next consideration June 2025, recommendation provided in Section 3.6	N/A
Overall assessment of consent compliance and environmental performance in respect of this consent		High
Overall assessment of administrative performance in respect of this consent		High

N/A = not applicable

Table 15 Evaluation of environmental performance over time

Year	Consent numbers	High	Good	Improvement req	Poor
2019/20	0068-4, 0195-3, 1276-3, 1331-3, 1337-3, 2452-3, 5353-2, 6549-1, 6605-1	x			
2020/21	0068-4, 0195-3, 1276-3, 1331-3, 1337-3, 2452-3, 5353-2, 6549-1, 6605-1	x			
2021/22	0068-4, 0195-3, 1276-3, 1331-3, 1337-3, 2452-3, 5353-2, 6549-1, 6605-1	x			
2022/23	0068-4, 0195-3, 1276-3, 1331-3, 1337-3, 2452-3, 5353-2, 6549-1, 6605-1	x			
2023/24	0068-4, 0195-3, 1276-3, 1331-3, 1337-3, 1337-4, 2452-3, 5353-2, 6605-1, 6605-2	x			

During the year, SDC demonstrated a high level of environmental and high level of administrative performance with the resource consents as defined in Appendix II.

### 3.4 Recommendations from the 2022/23 Annual Report

In the 2022/23 Annual Report, it was recommended:

1. THAT in the first instance, monitoring of consented activities at Stratford District Council's water treatment plants in the 2023/24 year continue at the same level as in 2022/23.
2. THAT Stratford District Council will notify the Council when the boards are installed and removed from the Konini weir.
3. THAT Stratford District Council will notify the Council when replacing the water line and upgrading the flow metering system at the Stratford WTP.
4. THAT following the granting of any consents in 2023/24, the compliance monitoring programme is adjusted to reflect the new consent conditions.
5. THAT should there be issues with environmental or administrative performance in 2023/24, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.

Recommendations one, two and four were implemented, while it was not considered necessary to undertake additional monitoring as per recommendation five. Recommendation three was not required, as SDC did not undertake those works.

### **3.5 Alterations to monitoring programmes for 2024/25**

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

- the extent of information already made available through monitoring or other means to date;
- its relevance under the RMA;
- the Council's obligations to monitor consented activities and their effects under the RMA;
- the record of administrative and environmental performances of the consent holder; and
- reporting to the regional community.

The Council also takes into account the scope of assessments required at the time of renewal of permits, and the need to maintain a sound understanding of industrial processes within Taranaki exercising resource consents.

No significant changes are planned for the 2024/25 monitoring programme.

It should be noted that the proposed programme represents a reasonable and risk-based level of monitoring for the sites in question. The Council reserves the right to subsequently adjust the programme from that initially prepared, should the need arise if potential or actual non-compliance is determined at any time during 2024/25.

### **3.6 Exercise of optional review of consent**

Resource consents 0068-4, 0195-3, 1337-4, 2452-2, 5353-2 and 6605-2 provides for an optional review of the consent in June 2025. Conditions attached to the consents allow the Council to review the consent, for the purpose of ensuring that the consent conditions are adequate to deal with any adverse effects on the environment arising from the exercise of the consent.

Based on the results of monitoring in the year under review, and in previous years as set out in earlier annual compliance monitoring reports, it is considered that there are no grounds that require a review to be pursued or grounds to exercise the review option.

## 4. Recommendations

1. THAT in the first instance, monitoring of consented activities at Stratford District Council's water treatment plants in the 2024/25 year continue at the same level as in 2023/24.
2. THAT Stratford District Council will notify the Council when the boards are installed and removed from the Konini weir.
3. THAT Stratford District Council will notify the Council when replacing the water line and upgrading the flow metering system at the Stratford WTP.
4. THAT following the granting of any consents in 2024/25, the compliance monitoring programme is adjusted to reflect the new consent conditions.
5. THAT should there be issues with environmental or administrative performance in 2024/25, monitoring may be adjusted to reflect any additional investigation or intervention as found necessary.
6. THAT the option for a review of resource consents 0195-3.0, 1337-4.0, 2452-3.0, 5353-2.0 and 6605-2.0 in June 2025, as set out in the consents, not be exercised, on the grounds that the current consent conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this consent.

## Glossary of common terms and abbreviations

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

Conductivity	Conductivity, an indication of the level of dissolved salts in a sample, usually measured at 25°C and expressed in $\mu\text{S}/\text{cm}$ .
Cumec	A volumetric measure of flow- 1 cubic metre per second ( $1\text{m}^3\text{s}^{-1}$ ).
Incident	An event that is alleged or is found to have occurred that may have actual or potential environmental consequences or may involve non-compliance with a consent or rule in a regional plan. Registration of an incident by the Council does not automatically mean such an outcome had actually occurred.
Intervention	Action/s taken by Council to instruct or direct actions be taken to avoid or reduce the likelihood of an incident occurring.
Investigation	Action taken by Council to establish what were the circumstances/events surrounding an incident including any allegations of an incident.
Incident register	The incident register contains a list of events recorded by the Council on the basis that they may have the potential or actual environmental consequences that may represent a breach of a consent or provision in a Regional Plan.
L/s	Litres per second.
$\text{m}^2$	Square Metres.
Mixing zone	The zone below a discharge point where the discharge is not fully mixed with the receiving environment. For a stream, conventionally taken as a length equivalent to 7 times the width of the stream at the discharge point.
NTU	Nephelometric Turbidity Unit, a measure of the turbidity of water.
pH	A numerical system for measuring acidity in solutions, with 7 as neutral. Numbers lower than 7 are increasingly acidic and higher than 7 are increasingly alkaline. The scale is logarithmic i.e. a change of 1 represents a ten-fold change in strength. For example, a pH of 4 is ten times more acidic than a pH of 5.
Physicochemical	Measurement of both physical properties (e.g. temperature, clarity, density) and chemical determinants (e.g. metals and nutrients) to characterise the state of an environment.
Resource consent	Refer Section 87 of the RMA. Resource consents include land use consents (refer Sections 9 and 13 of the RMA), coastal permits (Sections 12, 14 and 15), water permits (Section 14) and discharge permits (Section 15).
RMA	<i>Resource Management Act 1991</i> and including all subsequent amendments.
SS	Suspended solids.
Temp	Temperature, measured in °C (degrees Celsius).
Turb	Turbidity, expressed in NTU or FNU.

For further information on analytical methods, contact a manager within the Environment Quality Department.

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## Appendix I

### Resource consents held by Stratford District Council

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

## **Water abstraction permits**

Section 14 of the RMA stipulates that no person may take, use, dam or divert any water, unless the activity is expressly allowed for by a resource consent or a rule in a regional plan, or it falls within some particular categories set out in Section 14. Permits authorising the abstraction of water are issued by the Council under Section 87(d) of the RMA.

## **Water discharge permits**

Section 15(1)(a) of the RMA stipulates that no person may discharge any contaminant into water, unless the activity is expressly allowed for by a resource consent or a rule in a regional plan, or by national regulations. Permits authorising discharges to water are issued by the Council under Section 87(e) of the RMA.

## **Air discharge permits**

Section 15(1)(c) of the RMA stipulates that no person may discharge any contaminant from any industrial or trade premises into air, unless the activity is expressly allowed for by a resource consent, a rule in a regional plan, or by national regulations. Permits authorising discharges to air are issued by the Council under Section 87(e) of the RMA.

## **Discharges of wastes to land**

Sections 15(1)(b) and (d) of the RMA stipulate that no person may discharge any contaminant onto land if it may then enter water, or from any industrial or trade premises onto land under any circumstances, unless the activity is expressly allowed for by a resource consent, a rule in a regional plan, or by national regulations. Permits authorising the discharge of wastes to land are issued by the Council under Section 87(e) of the RMA.

## **Land use permits**

Section 13(1)(a) of the RMA stipulates that no person may in relation to the bed of any lake or river use, erect, reconstruct, place, alter, extend, remove, or demolish any structure or part of any structure in, on, under, or over the bed, unless the activity is expressly allowed for by a resource consent, a rule in a regional plan, or by national regulations. Land use permits are issued by the Council under Section 87(a) of the RMA.

## **Coastal permits**

Section 12(1)(b) of the RMA stipulates that no person may erect, reconstruct, place, alter, extend, remove, or demolish any structure that is fixed in, on, under, or over any foreshore or seabed, unless the activity is expressly allowed for by a resource consent, a rule in a regional plan, or by national regulations. Coastal permits are issued by the Council under Section 87(c) of the RMA.

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

Name of  
Consent Holder: Stratford District Council  
PO Box 320  
Stratford 4352

Decision Date: 24 June 2016

Commencement Date: 24 June 2016

**Conditions of Consent**

Consent Granted: To discharge settled filter backwash water from the Stratford Municipal Water Treatment Plant via a settling pond into the Patea River

Expiry Date: 1 June 2034

Review Date(s): June 2022, June 2028

Site Location: 296 Cardiff Road, Cardiff

Grid Reference (NZTM) 1706560E-5645161N

Catchment: Patea

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

### General condition

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

### Special conditions

1. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any actual or likely adverse effect on the environment associated with the discharge of contaminants from the site.
2. After allowing for a mixing zone of 50 metres downstream of the discharge point (at approximately 1706560E-5645161N), the discharge shall not give rise to any of the following effects in the Patea River:
  - (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; and
  - (e) any significant adverse effects on aquatic life.
3. Constitutes of the discharge shall meet the standards shown in the following table.

<b>Constituent</b>	<b>Standard</b>
Suspended solids	Concentration not greater than 20 gm <sup>-3</sup>
Free available chlorine	Concentration no greater than 0.1 gm <sup>-3</sup>
pH	Within the range 6.0 to 9.0

4. The consent holder shall ensure that there is always clear and safe foot access to the point where the discharge enters the Patea River.
5. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2022 and/ or June 2028, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 24 June 2016

For and on behalf of  
Taranaki Regional Council

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A D McLay  
**Director - Resource Management**

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

Name of  
Consent Holder: Stratford District Council  
PO Box 320  
Stratford 4352

Decision Date: 25 September 2017

Commencement Date: 16 October 2017

**Conditions of Consent**

Consent Granted: To take and use water from the Patea River and the Konini Stream to provide a public water supply to Stratford

Expiry Date: 1 June 2034

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

Site Location: Cardiff Road, Cardiff

Grid Reference (NZTM) 1706218E-5645354N (Patea intake & dam)  
1705702E-5645109N (Konini intake & dam)

Catchment: Patea

Tributary: Paetahi  
Konini

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

### General condition

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

### Special conditions

1. Subject to condition 2, the total rate of taking shall not exceed 61 litres per second, and:
  - (a) the rate of taking from the Konini Stream shall not exceed 20 litres per second; and
  - (b) when the flow in the Patea River at the 'Skinner Road' flow site has, at some time on each of the three previous days, been less than 780 litres per second the rate of taking from the Patea River shall not exceed 41 litres per second.
2. The total rate of taking may be up to 81 litres per second, with no more than 20 litres per second taken from the Konini Stream, if taking at that rate is necessary to replenish the reservoir following a plant failure.
3. If taking exceeds 61 litres per second as provided for by condition 2 the consent holder shall immediately notify the Chief Executive, Taranaki Regional Council. Notification shall include the details of the plant failure and be emailed to [worknotification@trc.govt.nz](mailto:worknotification@trc.govt.nz).
4. When the flow in the Patea River, measured at Skinner Road is less than 780 litres per second the consent holder shall implement water conservation measures to reduce water demand, and when the flow has, at some time on each of the three previous days, been less than 556 litres per second the taking of water shall be restricted to the minimum amount necessary to maintain the health of people and animals (i.e. garden watering and other non-essential uses are prohibited).
5. The consent holder shall ensure that regular low flow gaugings are undertaken near to each of the take sites, so that a reasonable estimate of mean annual low flow at each site can be made.
6. Before exercising this consent the consent holder shall install, and thereafter maintain a water meter at each site of taking (or a nearby site in accordance with Regulation 10 of the *Resource Management (Measurement and Reporting of Water Takes) Regulations 2010*. The water meter and associated equipment shall be tamper-proof and shall measure and record the rate and volume of water taken to an accuracy of  $\pm 5\%$ . Records of the date, the time and the rate and volume of water taken at intervals not exceeding 15 minutes, shall be made available to the Chief Executive, Taranaki Regional Council at all reasonable times.

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

## Consent 0195-3.0

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

The documentation shall be provided:

- (i) within 30 days of the installation of a water meter or datalogger;
  - (ii) at other times when reasonable notice is given and the Chief Executive, Taranaki Regional Council has reasonable evidence that the equipment may not be functioning as required by this consent; and
  - (iii) no less frequently than once every five years.
8. If any measuring or recording equipment breaks down, or for any reason is not operational, the consent holder shall advise the Chief Executive, Taranaki Regional Council immediately. Any repairs or maintenance to this equipment must be undertaken by a suitably qualified person and a maintenance report provided to the Chief Executive, Taranaki Regional Council within 30 days of the work occurring.
9. Any water meter or datalogger shall be accessible to Taranaki Regional Council officers at all reasonable times for inspection and/or data retrieval. In addition the data logger shall be designed and installed so that Taranaki Regional Council officers can readily verify that it is accurately recording the required information.
10. The records of water taken shall:
  - (a) be in a format that, in the opinion of the Chief Executive, Taranaki Regional Council, is suitable for auditing;
  - (b) specifically record the water taken as 'zero' when no water is taken; and
  - (c) be transmitted to the Taranaki Regional Council's computer system within two hours of being recorded.
11. Each year the consent holder shall prepare a report detailing:
  - (a) the work done to detect and minimise leaks in the area supplied, and
  - (b) water use efficiency and conservation measures undertaken in the area supplied.

The report shall be provided to the Chief Executive, Taranaki Regional Council before 1 September each year and cover the previous 1 July to 30 June period.

## Consent 0195-3.0

12. The consent holder shall mitigate or offset the environmental effects of the taking by making four annual payments of \$10,000 (plus GST) to the Taranaki Regional Council as a financial contribution for the purpose of funding environmental enhancement projects. The environmental enhancement projects are, to be in the upper Patea River catchment, and would include:
  - (a) fencing, planting, creation and enhancement of wetlands; and
  - (b) riparian planting, with first and second order streams as a priority.

The amount to be paid shall be adjusted annually according to the consumer price index, or similar, to account for the effects of inflation, and be made no later than 1 September each year.
13. The consent holder shall ensure that the intakes are designed and located to avoid fish entering the intake or being trapped against the screen.
14. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2019 and at 3-yearly intervals thereafter, for the purposes of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 25 September 2017

For and on behalf of  
Taranaki Regional Council

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A D McLay  
**Director - Resource Management**



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

Name of Consent Holder: Stratford District Council  
P O Box 320  
STRATFORD 4352

Decision Date [Change]: 24 May 2011

Commencement Date [Change]: 24 May 2011 [Granted: 9 June 2003]

**Conditions of Consent**

Consent Granted: To take water from the Te Popo Stream a tributary of the Manganui River in the Waitara catchment for Midhirst community public water supply purposes at or about (NZTM) 1708930E-5650525N

Expiry Date: 1 June 2021

Review Date(s): June 2015

Site Location: Mountain Road, Midhirst

Legal Description: Lot 7 DP 14836 Blk XIII Huiroa SD [Site of take]

Catchment: Waitara

Tributary: Manganui  
Te Popo

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

### General conditions

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

### Special conditions

1. The exercise of this consent shall be conducted in accordance with the information submitted in support of application nos. 84/51, 91/162, 2233 and 6750, and to ensure that the conditions of the consent are met at all times.
2. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to avoid or minimise any adverse effects on the environment as a result of the exercise of this consent.
3. The peak extraction rate shall not exceed 5 litres/second.
4. The amount of water taken in summer [1 November to 31 March] shall not exceed an average of 254 cubic metres/day during any calendar month.
5. The amount of water taken in winter [1 April to 31 October] shall not exceed 432 cubic metres/day.
6. The amount of water taken during any year ending 30 June shall not exceed 90,000 m<sup>3</sup>.
7. The consent holder shall, on an annual basis, provide a report detailing:
  - a) the work done to detect and minimise leaks in the area supplied, and
  - b) water use efficiency and conservation measures undertaken in the area supplied.

The report shall be provided to the Chief Executive, Taranaki Regional Council before 1 September each year and cover the previous 1 July to 30 June period. The first report shall be provided by 1 September 2011.

8. All intake structures shall be screened to avoid the entrainment of fish.

## Consent 1276-3

9. The consent holder shall install and operate a measuring device capable of accurately recording daily rates of abstraction and shall measure, record and make such records available to the Chief Executive, Taranaki Regional Council, upon request.
10. That the Taranaki Regional Council reserves the right to temporarily suspend or reduce the abstraction during extreme low flow events, in order to protect the biological communities in the stream, in accordance with 329 of the Resource Management Act 1991.
11. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2009 and/or June 2015 for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 24 May 2011

For and on behalf of  
Taranaki Regional Council

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**Director-Resource Management**



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

Name of  
Consent Holder: Stratford District Council  
PO Box 320  
Stratford 4352

Decision Date: 27 May 2016

Commencement Date: 27 May 2016

**Conditions of Consent**

Consent Granted: To discharge treated filter backwash water from the Midhirst Water Treatment Plant onto land via a soak hole

Expiry Date: 1 June 2033

Review Date(s): June 2021, June 2027

Site Location: Midhirst Water Treatment Plant, Mountain Road, Midhirst

Grid Reference (NZTM) 1708926E-5650535N

Catchment: Waitara

Tributary: Manganui  
Te Popo

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

## Consent 1331-3.0

### **General condition**

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

### **Special conditions**

1. The discharge shall not exceed 10 cubic metres per day.
2. The consent holder shall maintain and operate the soak hole system in a manner that will ensure that the discharge does not cause the soak hole to overflow.
3. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during June 2021 and/or June 2027, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 27 May 2016

For and on behalf of  
Taranaki Regional Council

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A D McLay  
**Director - Resource Management**

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

Name of  
Consent Holder: Stratford District Council

Decision Date: 29 February 2024

Commencement Date: 29 February 2024

**Conditions of Consent**

Consent Granted: To take and use groundwater from a bore for Toko rural water supply purposes

Expiry Date: 1 June 2040

Review Date(s): June 2025 and 3-yearly thereafter

Site Location: 829 East Road, Toko

Grid Reference (NZTM) 1719767E-5645083N

Catchment: Patea

Tributary: Manawawiri

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

### General condition

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

### Special conditions

1. The bore shall be easily identifiable by permanent labels, which may be welded or engraved on the casing, or on the equivalent fixed part of the well construction or associated building. The numbering on the label shall be the bore number assigned by Taranaki Regional Council (GND0155).
2. The rate of taking shall not exceed 5.6 litres per second, and the volume taken in any 24 hour period ending at midnight (New Zealand Standard Time) shall not exceed 80 cubic metres.
3. Before exercising this consent and thereafter, the consent holder shall maintain a record of the water taken that:
  - a) provides a continuous measurement of water taken under this consent, including any water taken in excess of what the consent allows;
  - b) is maintained in a format that, in the opinion of the Taranaki Regional Council, is suitable for auditing;
  - c) includes measurements of volume taken in cubic metres at intervals not exceeding 15-minutes;
  - d) accurately reflects the volume of water taken;
  - e) specifically records the water taken as 'zero' when no water is taken; and
  - f) is transmitted to the Taranaki Regional Council's computer system within 2 hours of being recorded.
4. The water meter and data logger must:
  - a) be installed:
    - i) at the site of take; or as close to the site as possible with written approval from the Science Manager, Taranaki Regional Council;
    - ii) by a suitably qualified person and maintained in accordance with the manufacturer's specifications;
    - iii) and have been tested and shown to be operating to an accuracy of  $\pm 5$  percent;
    - iv) and designed so that Taranaki Regional Council officers can readily verify that it is accurately recording the required information;
    - v) and be accessible to Taranaki Regional Council officers at all reasonable times for inspection and/or data retrieval;
    - vi) and maintained at all times so that if any measuring or recording equipment breaks down, or for any reason is not operational, the consent holder shall advise the Science Manager, Taranaki Regional Council immediately;
    - vii) and be repaired or maintained by a suitably qualified person; and provide a maintenance report to the Science Manager, Taranaki Regional Council within 30 days of the work occurring for any break downs.



- b) Use a device or system that measures the volume taken to  $\pm 5$  percent of the actual volume taken, and is:
  - i) able to provide data in a form suitable for electronic storage;
  - ii) suited to the qualities of the water it is measuring;
  - iii) sealed and is as tamper-proof as practical;
  - iv) installed at each location where water may be taken under this consent; and
  - v) verified as accurate.
- c) Documentation with evidence of installation meeting requirements of condition 4 a)(i), (ii) and (iii)) must be provided;
  - i) within 30 days of installation of the equipment; and
  - ii) at other times when reasonable notice is given and the Science Manager, Taranaki Regional Council has evidence that the equipment may not be functioning as required by this consent; and
  - iii) no less frequently than once every five years.

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

- 5. The bore shall include a conduit (or 'dip tube') no less than 30 mm in diameter that provides unimpeded access for measuring the water level within the bore. The conduit shall have an easily removable cap that prevents contaminants entering it.
- 6. The consent holder shall ensure the abstraction does not cause more than a 10% lowering of static water-level by interference with any adjacent bore.
- 7. The taking shall not cause the intrusion of contaminants, including saltwater, into any freshwater environment.
- 8. At all times the consent holder shall take all practical steps to prevent or minimise any actual or likely adverse effect on the environment associated with the abstraction of water, including, but not limited to, the efficient and conservative use of water.
- 9. This consent lapses 5 years after its date of commencement, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.

Consent 1337-4.0

10. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2025 and every three years thereafter for the purposes of:
- a) ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time; and/or
  - b) requiring any data collected in accordance with the conditions of this consent to be transmitted directly to the Taranaki Regional Council's computer system, in a format suitable for providing a 'real time' record over the internet.

Signed at Stratford on 29 February 2024

For and on behalf of  
Taranaki Regional Council



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A D McLay  
**Director - Resource Management**

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

Name of  
Consent Holder: Stratford District Council  
PO Box 320  
Stratford 4352

Decision Date: 25 September 2017

Commencement Date: 25 September 2017

**Conditions of Consent**

Consent Granted: To dam water in the Konini Stream with a 1 metre concrete weir for the Stratford town water supply

Expiry Date: 1 June 2034

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

Site Location: Cardiff Road, Cardiff

Grid Reference (NZTM) 1705702E-5645109N

Catchment: Patea

Tributary Paetahi  
Konini

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

## Consent 2452-3.0

### General condition

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

### Special conditions

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

Signed at Stratford on 25 September 2017

For and on behalf of  
Taranaki Regional Council

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A D McLay  
**Director - Resource Management**

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

Name of  
Consent Holder: Stratford District Council  
PO Box 320  
Stratford 4352

Decision Date: 25 September 2017

Commencement Date: 25 September 2017

**Conditions of Consent**

Consent Granted: To dam water in the Patea River with a 2.3 metre concrete weir for the Stratford town water supply

Expiry Date: 1 June 2034

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

Site Location: Cardiff Road, Cardiff

Grid Reference (NZTM) 1706218E-5645354N

Catchment: Patea

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

**General condition**

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

**Special conditions**

1. The consent holder shall maintain the weir so that it remains sound and fit for purpose.
2. The consent holder shall repair any erosion or scour of the river bed or banks caused by the weir and take reasonable steps to stop it recurring.
3. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2019 and at 3-yearly intervals thereafter, for the purpose of:
  - (a) ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time; and/or
  - (b) include conditions relating to fish passage, including a requirement to install a fish pass, if relocation of native species does not result in established populations upstream of the weir.

Signed at Stratford on 25 September 2017

For and on behalf of  
Taranaki Regional Council

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A D McLay  
**Director - Resource Management**

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

Name of  
Consent Holder: Stratford District Council  
PO Box 320  
Stratford 4352

Decision Date  
(Change): 27 May 2016

Commencement Date  
(Change): 27 May 2016 (Granted Date: 29 April 2005)

**Conditions of Consent**

Consent Granted: To discharge treated filter backwash water from the Toko Water Treatment Plant into a soak hole adjacent to the Manawawiri Stream

Expiry Date: 1 June 2022

Review Date(s): June 2016

Site Location: East Road, Toko

Grid Reference (NZTM) 1719740E-5645072N

Catchment: Patea

Tributary: Toko  
Manawawiri

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

**General conditions**

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

**Special conditions**

- 1. The discharge shall not exceed 15 cubic metres per day.
- 2. The consent holder shall maintain and operate the soak hole system in manner to ensure that the discharge does not cause the soak hole to overflow.
- 3. The discharge shall not exceed 0.1 g/m<sup>3</sup> free available chlorine at any time.
- 4. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during June 2010 and/or June 2016, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 27 May 2016

For and on behalf of  
Taranaki Regional Council

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A D McLay  
**Director - Resource Management**



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

Name of  
Consent Holder: Stratford District Council

Decision Date: 29 February 2024

Commencement Date: 29 February 2024

**Conditions of Consent**

Consent Granted: To discharge treated filter backwash water from the Toko Water Treatment Plant into a soak hole adjacent to the Manawawiri Stream

Expiry Date: 1 June 2040

Review Date(s): June 2025 and 3-yearly thereafter

Site Location: 829 East Road, Toko

Grid Reference (NZTM) 1719773E-5645072N

Catchment: Patea

Tributary: Manawawiri

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

**General condition**

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

**Special conditions**

1. The exercise of this consent shall be undertaken in general accordance with the information provided in support of the application for this consent. Where there is conflict between the application and consent conditions, the conditions shall prevail.
2. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any actual or likely adverse effect on the environment associated with the discharge.
3. The filter backwash water shall be discharged over a land area of no less than 12.6 m<sup>2</sup>.
4. The volume of filter backwash water discharged shall not exceed 15 m<sup>3</sup>/day.
5. The consent holder shall ensure that there is a point where the filter backwash water can be sampled before it is discharged to the land application area. The consent holder shall provide access for the Taranaki Regional Council to enable a sample to be taken as required.
6. The consent holder shall ensure that samples are taken from the sampling point described within Condition 5 at quarterly intervals and tested for chlorine. Analytical testing of the samples shall be performed by a laboratory that is International Accreditation New Zealand (IANZ) accredited for the analytical testing. Results from the testing shall be provided to Taranaki Regional Council upon request.
7. The consent holder shall maintain and operate the soak hole and trench system in a manner to ensure that there is no surface run-off, ponding, or contamination of surface water resulting from the discharge.
8. The consent holder shall ensure that there will be no noxious, dangerous, offensive or objectionable odour at or beyond the boundaries of the subject property.

Consent 6605-2.0

9. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2025 and every three years thereafter for the purposes of:
- a) ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time; and/or
  - b) requiring any data collected in accordance with the conditions of this consent to be transmitted directly to the Taranaki Regional Council's computer system, in a format suitable for providing a 'real time' record over the internet.

Signed at Stratford on 29 February 2024

For and on behalf of  
Taranaki Regional Council



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A D McLay  
**Director - Resource Management**



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

Name of  
Consent Holder: Stratford District Council  
P O Box 320  
STRATFORD

Consent Granted  
Date: 17 June 2005

**Conditions of Consent**

Consent Granted: To take and use groundwater from a bore in the vicinity of the Toko Stream in the Patea catchment for Toko rural water supply purposes at or about GR: Q20:298-068

Expiry Date: 1 June 2022

Review Date(s): June 2010, June 2016

Site Location: East Road, Toko

Legal Description: Lot 1 DP 15670 Blk III Ngaere SD

Catchment: Patea

Tributary: Toko

## Consent 1337-3

### General conditions

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

### Special conditions

1. The consent holder shall at all times adopt the best practicable option, as defined in section 2 of the Resource Management Act 1991, to prevent or minimise any adverse effects on the environment from the exercise of this consent.
2. The exercise of this consent shall be undertaken generally in accordance with the documentation submitted in support of application 2743 and shall ensure efficient and effective use of water. In the case of any contradiction between the documentation submitted in support of application 2743 and the conditions of this consent, the conditions of this consent shall prevail.
3. The consent holder shall notify the Chief Executive, Taranaki Regional Council, in writing at least seven days prior to the exercise of this consent.
4. The volume of groundwater abstracted shall not exceed 80 cubic metres per day at a rate not exceeding 5.6 litres per second.
5. The consent holder shall install and operate a device capable of accurately recording daily rates of abstraction and shall measure, record and make such records available to the Chief Executive, Taranaki Regional Council, upon request.
6. This consent shall lapse on the expiry of five years after the date of issue of this consent, unless the consent is given effect to before the end of that period or the Taranaki Regional Council fixes a longer period pursuant to section 125(1)(b) of the Resource Management Act 1991.

## Consent 1337-3

7. In accordance with section 128 and section 129 of the Resource Management Act 1991, the Taranaki Regional Council may serve notice of its intention to review, amend, delete or add to the conditions of this resource consent by giving notice of review during the month of June 2010 and/or June 2016, for the purpose of ensuring that the conditions are adequate to deal with any adverse effects on the environment arising from the exercise of this resource consent, which were either not foreseen at the time the application was considered or which it was not appropriate to deal with at the time.

Signed at Stratford on 17 June 2005

For and on behalf of  
Taranaki Regional Council

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**Director-Resource Management**

## Appendix II

Categories used to evaluate environmental and administrative performance



## Categories used to evaluate environmental and administrative performance

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

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

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

### Environmental Performance

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

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

For example:

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

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

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

### Administrative performance

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

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

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

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