



TE KAUNIHERA-Ā-ROHE O TARATAHI  
**CARTERTON**  
DISTRICT COUNCIL

# **AGENDA**

## **Infrastructure and Services Committee Meeting**

**Date: Wednesday, 4 August 2021**

**Time: 8:30am**

**Location: Carterton Events Centre  
50 Holloway Street  
Carterton**

Chair B Deller

Deputy Chair S Cretney

Mayor G Lang

Cr R Keys

Cr R Stockley

Cr D Williams

Hurunui-o-Rangi Marae Representative R Smith



**Notice is hereby given that an Infrastructure and Services Committee Meeting of  
the Carterton District Council will be held in the Carterton Events Centre, 50  
Holloway Street, Carterton on:  
Wednesday, 4 August 2021 at 8:30am**

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**1 KARAKIA TIMATANGA**

*Mai i te pae maunga, raro ki te tai*

*Mai i te awa tonga, raro ki te awa raki*

*Tēnei te hapori awahi ai e Taratahi.*

*Whano whano, haramai te toki*

*Haumi ē, hui ē, tāiki ē!*

**2 APOLOGIES**

**3 CONFLICTS OF INTERESTS DECLARATION**

**4 PUBLIC FORUM**

## 5 CONFIRMATION OF THE MINUTES



### 5.1 MINUTES OF THE INFRASTRUCTURE AND SERVICES COMMITTEE MEETING HELD ON 2 JUNE 2021

#### 1. RECOMMENDATION

1. That the Minutes of the Infrastructure and Services Committee Meeting held on 2 June 2021 are true and correct.

**File Number:** 135226

**Author:** Sheree Dewbery, Executive Assistant

**Attachments:** 1. Minutes of the Infrastructure and Services Committee Meeting held on 2 June 2021

**MINUTES OF CARTERTON DISTRICT COUNCIL  
INFRASTRUCTURE AND SERVICES COMMITTEE MEETING  
HELD AT THE CARTERTON EVENTS CENTRE, 50 HOLLOWAY STREET, CARTERTON  
ON WEDNESDAY, 2 JUNE 2021 AT 8:30AM**

- PRESENT:** Deputy Chair Brian Deller, Mayor Greg Lang, Cr Steve Cretney, Cr Rob Stockley, Cr Dale Williams, Ra Smith (Marae Representative)
- IN ATTENDANCE:** Cr Robyn Cherry-Campbell, Cr Jill Greathead, Blair King (Interim Chief Executive), Dave Gittings (Infrastructure, Regulatory and Planning Manager), Geri Brooking (People and Wellbeing Manager), Kelly Vatselias (Corporate Services Manager), Glenda Seville (Community Services Manager), Elisa Brown (Communications and Engagement Advisor), Matt Chapman (Project, Contract and Procurement Officer), Clinton Thompson (Parks and Reserves Manager), Rachel Round (Consents, Compliance and Operations Manager), Tony Pritchard (Asset Engineer), Casey Spencer (Democratic Services Coordinator).

## **1 KARAKIA TIMATANGA**

The meeting was opened with a Karakia led by Ra Smith.

## **2 APOLOGIES**

There was an apology received for Chair Russell Keys

Cr Rob Stockley / Cr Steve Cretney

**CARRIED**

## **3 CONFLICTS OF INTERESTS DECLARATION**

There were no conflicts on interests.

## **4 PUBLIC FORUM**

There was no public forum.

## **5 CONFIRMATION OF THE MINUTES**

### **5.1 MINUTES OF THE INFRASTRUCTURE AND SERVICES COMMITTEE MEETING HELD ON 7 APRIL 2021**

#### **MOVED**

That the Minutes of the Infrastructure and Services Committee Meeting held on 7 April 2021 are true and correct.

Deputy Chair Brian Deller / Cr Rob Stockley

**CARRIED**

## **6 REPORTS**

### **6.1 DEPARTMENT OF INTERNAL AFFAIRS PROJECT FUNDING UPDATE**

#### **PURPOSE**

For the committee to updated on the Department of Internal Affairs project funding update.

#### **MOVED**

That the Committee:

**Receives** the report.

Cr Steve Cretney / Cr Dale Williams

**CARRIED**

### **6.2 PARKS AND RESERVES ACTIVITIES**

#### **PURPOSE**

For the committee to receive a report on activities of the Parks and Reserves Team.

#### **MOVED**

That the Committee:

**Receives** the report.

Cr Steve Cretney / Cr Rob Stockley

**CARRIED**

### **6.3 WATER SUPPLY AND RETICULATION ACTIVITIES**

#### **PURPOSE**

For the committee to be informed of the treatment plant operations and work carried out by the reticulation water team.

#### **MOVED**

That the Committee:

**Receives** the report.

Cr Rob Stockley / Mayor Greg Lang

**CARRIED**



#### 6.4 WASTEWATER AND SOLID WASTE ACTIVITIES

##### **PURPOSE**

For the Committee to be informed and updated on Wastewater and Solid Waste operations.

##### **MOVED**

That the Committee:

**Receives** the report.

Cr Steve Cretney / Cr Rob Stockley

##### **CARRIED**

Mayor Greg Lang and Deputy Chair Brian Deller both acknowledged Sue Clarke for all her voluntary hard work in establishing and maintaining the entry gardens at the transfer station.

#### 6.5 WASTEWATER TREATMENT PLANT UPGRADE UPDATE

##### **PURPOSE**

For the committee to be advised of progress with the Wastewater Treatment Plant (WWTP) Upgrade Project.

##### **MOVED**

That the Committee:

**Receives** the report.

Cr Rob Stockley / Deputy Chair Brian Deller

##### **CARRIED**

Marae Representative, Ra Smith, left the meeting at 9:13am.

#### 6.6 ASSETS ENGINEER AND SPATIAL SERVICES

##### **PURPOSE**

The purpose of this paper is to advise the committee of the activities of the Asset Engineer and some other associated project management for the period of May to June 2021.

##### **MOVED**

That the Committee:

**Receives** the report.

Cr Dale Williams / Cr Steve Cretney

##### **CARRIED**

**6.7 EVENT CENTRE AND FACILITIES UPDATE**

**PURPOSE**

For the committee to receive a report on activities for the Carterton Event Centre and council facilities management.

**MOVED**

That the Committee:

**Receives** the report.

Deputy Chair Brian Deller / Cr Rob Stockley

**CARRIED**

**6.8 TRAILS AND CYCLING ACTIVITIES**

**PURPOSE**

For the committee to receive the report on activities for Trails and Cycling.

**MOVED**

That the Committee:

**Receives** the report.

Mayor Greg Lang / Cr Dale Williams

**CARRIED**

**7 KARAKIA WHAKAMUTUNGA**

The meeting was closed with a Karakia led by Cr Rob Stockley.

**The Meeting closed at 9:42am.**

**Minutes confirmed: .....**

**Date: .....**

## 6 REPORTS



### 6.1 TRAILS AND CYCLING ACTIVITIES

#### 1. PURPOSE

For the committee to receive the report on activities for Trails and Cycling.

#### 2. SIGNIFICANCE

The matters for decision in this report are not considered to be of significance under the Significance and Engagement Policy.

#### 3. BACKGROUND

The Regional Trails and Cycling Coordinator represents each Council through engagement with Cycling and Trails related activities:

##### **Representation and promotion**

The Cycling and Trails Coordinator represented the 3 Wairarapa Councils at the Trails Industry and Engagement Forum in June. This group has all trail user groups represented and is a good model for future trail engagement in Wairarapa. Any relevant information is shared with each Council.

Visits were made to bike shops and information centres to distribute Wairarapa Cycling Maps and code for cycling booklets. Also had discussions about upcoming events for various clubs (ACM, Wairarapa Multi-sports Club) to update Huri Huri website and share information with stakeholders through the Facebook channel.

Contact has been made with Bike Greater Welly team (GWRC) to discuss the Cycling festival for October. It does not look like there will be a wider Wellington regional festival driven by GWRC this year due to resourcing/team changes therefore the Cycling and Trails Coordinator met with Wairarapa Road Safety Coordinator to discuss options for local Wairarapa events and engagement. Further planning and discussions with each Council will be done during August.

The Greytown Lions Nature Trail work is now complete with carparking created by SWDC. Neighbouring properties are pleased with the improvements to ensure visiting cars do not block driveways.

The Cycling and Trails Coordinator continues to attend Carterton Walking and Cycling Advisory Group as a cycling advocate, and discussions are ongoing with both MDC and SWDC around the creation of a similar advisory group for both. The input given by various user groups is an important link to those on the ground and is a valuable connection to Council for decision making and planning future links and improvements. The Trails and Cycling Coordinator recently wrote a thank-you to GWRC Metlink team on behalf of Carterton District Council and the Carterton Walking and Cycling Advisory Group for the new secure bike storage facility installed at the Carterton Train Station.

**Five Towns Trail Network Project**

The Trails and Cycling Coordinator continues to organise various meetings and work as part of the project team. The project team met to discuss next steps around the remaining portion of the TRC contract. A meeting was subsequently held with TRC where these next steps were confirmed.

A site visit was organised recently with Greytown Trails Trust to the Tauherenikau Bridge newly formed carpark areas on both Greytown and Featherston sides of the river. Discussions were had on progress milestones being shared by GTT with the Five Towns project team to ensure information is shared through all channels. A meeting with the owner of the quarry on Underhill Road has now been organised to discuss safety considerations around truck movements as the intended route passes by the entrance.

**4. CONSIDERATIONS****4.1 Climate change**

Cycling supports the mitigation of climate change through replacing greenhouse-gas emitting motor vehicles.

**4.2 Tāngata whenua**

N/A

**4.3 Financial impact**

N/A

**4.4 Community Engagement requirements**

N/A

**4.5 Risks****5. RECOMMENDATION**

That the Committee:

1. **Receives** the report

**File Number:** 135100

**Author:** Erin Collins, Regional Trails and Cycling Coordinator

**Attachments:** Nil



## 6.2 PARKS AND RESERVES ACTIVITIES

### 1. PURPOSE

For the committee to be informed of the activities of the Parks and Reserves Team.

### 2. SIGNIFICANCE

The matters for decision in this report are not considered to be of significance under the Significance and Engagement Policy.

### 3. BACKGROUND

The Parks and Reserves team have adopted a business-as-usual work programme with ongoing works and maintenance being completed. This report is a reflection on the activities completed up to August 2021. Works going forward, expected outcomes, benefits, and impacts.

### 4. DISCUSSION

#### Street Reserves

- Street bed and garden maintenance is ongoing
- The hanging baskets have been hung throughout the CBD to enhance the beautification in the CBD
- The weed spraying program will be ongoing to maintain levels of service, Bio herbicide spraying, and steaming is our main methods used.
- Street mowing is ongoing to maintain levels of service
- Booth's creek in the Feist Street reserve has been cleaned to reduce risk of flooding during winter.
- The Feist Street to Plimsoll Street walkway shrubs that line the embankment have had the mulch topped up. The pathway is due for some renovations which involve spreading and compacting new lime along the length of the pathway
- The Feist Street reserve will be enhanced with several specimen trees, these are due to be planted in the coming weeks.
- Mills Grove reserve will have some more shrubs planted to replace ones that have been lost. The area will then be topped with mulch.



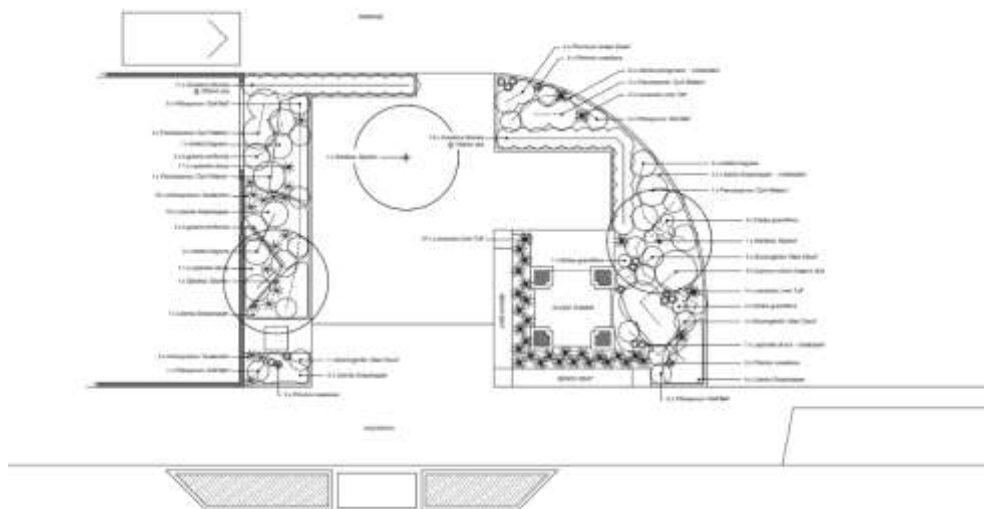
Several railway corridor reserves are being modified as Kiwi Rail and their contractor Titan Contracting Group undertake a scheduled works programme. This involves tree removal and embankment contouring within the Kiwirail boundaries. It is designed to accommodate future infrastructure developments and to enhance Health and Safety by improving visibility concerns around the crossings. One reserve that will see some significant work will be beside the Pembroke to Victoria Street pathway. All trees within the Kiwirail boundary will be removed including the Macrocarpas including the large Redwood at the Victoria St end. Due to these operations the contractor has chipped and mulched many of the trees they have removed. This has proved to be a bonus for the Parks team as we have gained access to their stockpile of mulch for free and we have been able to utilise the resource in many of our reserves.



We have delivered overhanging branch notices to properties that have vegetation encroaching onto footpath issues (requesting to be pruned back to boundary line). Foliage that maybe restricting movement for pedestrians and sight lines for vehicles. There is a period of 14 days given to comply with the conditions outlined in the notice. Follow up checks are made and those properties that still have issues will receive a reminder notice in which they are given a further 10 days to comply. Failure to comply may result in charges being pursued to recover the costs of our workers or contractors having to do the work required.

### Clocktower

The clock tower reserve landscape renovation continues with groundworks and concrete foundations laid. The site is a work in progress with further groundworks scheduled, including bases for seating. The gardens and trees will be planted in the next few weeks.



An electric motor that controls part of the chime's mechanism failed in July and required repairing. The repairs were undertaken by Recon Electrical in Lower Hutt.

### Parks

- The steam machine will continue to be utilised to clean assets in the parks which includes cleaning the deck and seats at Millennium Park to remove the moss and mould build up
- Turf repair will be undertaken on Carrington Park to repair the damage caused by heavy machinery accessing the park that was involved in the installation and disassembly of the ice rink that was installed on the Tennis club courts during the winter festival programme.
- The high winds that were experienced in mid-May have cause some fences to be damaged along the Eastern and Northern boundary of Howard Booth park. We will be working with the affected property owners to rectify the situation
- Pathway development will continue at Howard Booth Park which will enhance the links and connectivity to other newly created pathways
- General park maintenance is ongoing.



**Cemetery**

Maintenance is ongoing. KCBG have continued to assist with the autumn leaf fall clean-up. Their contribution is appreciated.



The topsoil mounds and grounds have been sprayed for weeds with bio herbicide. A new picnic table donated by KCBG has been installed.



**Rural Reserves**

Access to Gladstone reserve has been restricted by locking the chain gate for the next few weeks because of the damage that has been done by people doing doughnuts on the wet ground.





The welcome to Carterton sign at the northern boundary on SH2 is due to be upgraded by having the old rusty daffodil flower replaced. It will look like the one already upgraded at the southern boundary of the district.



### **Forestry**

We are still awaiting the forestry report from our forest managers Forest Enterprises for the year ending 30 June 2021. This report will be presented at our next Infrastructure and Services Committee meeting in September.

## **5. CONSIDERATIONS**

### **5.1 Climate change**

The ongoing use of the steam machine reduces our chemical footprint in all areas it is utilised.

### **5.2 Tāngata whenua**

Meetings have been organised for advice on Te Reo to be used on signs

### **5.3 Financial impact**

All matters in this report are cover by existing budgets

### **5.4 Community Engagement requirements**

The Parks and Reserves team regularly engage with numerous Community Groups. Keep Carterton Beautiful Group and their ongoing engagements and contribution is valuable to our district.

**6. RECOMMENDATION**

That the Committee:

1. **Receives** the report

**File Number:** 135120

**Author:** Clinton Thompson, Parks and Reserves Manager

**Attachments:** Nil



## **6.3 ASSET MANAGEMENT AND SPATIAL SERVICES**

### **1. PURPOSE**

The purpose of this paper is to advise the committee of the activities of the Asset Engineer and other associated project management for the period of June to August 2021.

### **2. SIGNIFICANCE**

The matters for decision in this report are not considered to be of significance under the Significance and Engagement Policy.

### **3. REVIEW OF ASSET MANAGEMENT PLANS**

The three waters asset management plan improvement listings for the last three revisions of the AMP's were collated and matched with the 2021 long-term plan ready to update of the asset management plans and the infrastructure strategy.

### **4. MAINS RENEWALS**

The 500m of A/C water mains being renewed in Rhodes Street has only the renewal of some water laterals to dwellings to be finished along with some reinstatement works.

The revision of the 3 waters mains program for renewals has yet to be undertaken.

### **5. WATER RESERVOIRS**

The two 2000m<sup>3</sup> water reservoirs at Dalefield Road have been ordered, and prior to construction of the reservoir bases, geo testing of the sites have been undertaken.

Designs for the connection of the reservoirs to feed the stored reservoir supplies back into the town's reticulation will use a new connecting delivery main to the Frederick Street water treatment plant. Planning for the construction of this main is underway with plans being prepared. This supply of reservoir water will be either fed into the pressure side of the Frederick Street water treatment plant or delivered as a backup supply for the township (with some pressure limitations). The two reservoirs will be fed from the reticulation mains situated in Dalefield Road during off peak and low use periods of consumption. And computer programming will cycle stored reservoir water so that water storage integrity is maintained.

An additional pipe will be laid/installed alongside the new delivery main back to the Frederick Street water treatment plant in case of future requirements that may dictate we connect the Kaipatangata supply to Dalefield Road. At this stage available funding exists for the spare main to be installed as far as the Frederick Street Treatment Plant, any future extension of this spare mains pipe to the Brooklyn Road intersection will be a future project.

Stimulus funding was allocated for these reservoirs from the Three Waters Reform Programme

## 6. WASTEWATER RENEWALS

The resourcing by the Contractor for the renewal of the water main in Rhodes Street has delayed the planned renewal of the wastewater main from Broadway to Faraday Street.

The Council's Projects Officer has remained in contact with the homeowners along the planned path of the wastewater main renewal in Broadway to Faraday so that they are aware of our progress.

The first stage of the High Street South wastewater mains renewal from High Street South intersection to the wastewater treatment plant entry on Dalefield Road was tendered. Downer NZ Ltd.'s tender for this pipe renewal was accepted and an initial meeting has been held with Downers Staff and the Councils Project Team.

Stimulus funding was allocated for this stage of the renewal from the Three Waters Reform Programme.

## 7. REGULATORY FUNCTIONS - RESOURCE, BUILDING, AND LIM APPLICATIONS

The Council's Town Planner has hosted six pre-consent consultation meetings with prospective customers and I to consider their development consent proposals within the Carterton District. Pre-application meetings such as these are a useful aid to applicants when understanding Council requirements and these early meetings can answer many of the Customers queries prior to their lodging consent applications.

Seven resource consents involving applications for 25 Lots, and 28 building consents were reviewed for conditions applying to the provision of Council utility services and any roading requirements since the last Infrastructure and Services Committee meeting.

24 LIM reports have had engineering information commented on for the benefit of those customers.

## 8. CONSIDERATIONS

### 8.1 Climate change

This report does not specifically have impacts from climate change or present any mitigation measures

### 8.2 Tāngata whenua

This report does not impact on any current decision making

### 8.3 Financial impact

This report does not have any financial decision-making implications.

### 8.4 Community Engagement requirements

This report does not have any community engagement requirements

### 8.5 Risks

There are no apparent risks associated with this report

## 9. RECOMMENDATION

That the Council/Committee:

1. **Receives** the report

**File Number:** 135121  
**Author:** Tony Pritchard, Projects Engineer  
**Attachments:** Nil



## 6.4 THREE WATERS PROJECT UPDATE

### 1. PURPOSE

For the committee to be updated on the three waters stimulus grant projects.

### 2. SIGNIFICANCE

The matters for decision in this report are not considered to be of significance under the Significance and Engagement Policy.

### 3. BACKGROUND

In June 2020 the Minister of Local Government announced the next phase of the waters reform programme. To support this reform a targeted infrastructure stimulus investment was provided to enable improvements to water service delivery and to assist in economic recovery in response to COVID-19.

The initial funding package was \$761 million with allocation based on:

- The population in the relevant council area, as a proxy for the number of water connections serviced by a territorial authority (75 per cent weighting).
- The land area covered by a local authority excluding national parks, as a proxy for the higher costs per connection of providing water services in areas with low population density (25 per cent weighting).

Carterton District Council received a total of 1.84 million.

On the 9th September 2020 Council agreed to the projects to be included for grant expenditure as well as additional projects should the initial projects be rejected by DIA.

### 4. PROJECTS AND UPDATES

#### 4.1 Additional potable water storage – 2x 2,000m<sup>3</sup> (\$1m allocation)

As previously reported, four tenders were received with Rakaia Engineering Ltd (REL) being the preferred tenderer.

On-site geotechnical investigation of the preferred Dalefield site was completed 9th July and liquefaction assessment analysis begun on the 12th July. No indications of issues have been raised. When analysis has been completed Tonkin and Taylor will continue with the IL3 foundation design where preliminary drawings have already been concluded.

REL are in the process of manufacturing the tanks to be shipped and installed prior to December 2021.

Pipework design is near completion to feed the tanks from the existing network connections and twin pipe trenched back to Frederick Street treatment plant. The

secondary pipe is being installed to take future feed from the Kaipaitangata main trunk line.

#### **4.2 Wastewater mains renewal in Dalefield Road (\$500k allocation)**

On the second tender round there were 4 conforming tenders received and final negotiations are being undertaken with the preferred tenderer.

A completion time was stipulated in the tender documents to be finished prior to the due DIA delivery date. To assist with this, CDC will authorise pre-purchase of all materials at today's costs and stored off-site.

#### **4.3 Area wide network upgrade for monitoring of the 3 Waters (\$25k allocation)**

An upgrade to the existing connection at Frederick Street treatment plant and the waste-water treatment plant to a fibre connection has been completed. A supplementary 5.8G WiFi network connection link has also been added to provide redundancy. Relocation of WiFi repeaters and new WiFi Point to Point equipment has been installed.

#### **4.4 Wairarapa Engineering Lifelines Coordinator (\$30k allocation from CDC)**

The Wairarapa Engineering Lifelines Project has been re-instated and is progressing with the appointment of Richard Mowll as the co-ordinator for a 1-year fixed term role.

#### **4.5 Frederick Street Treatment Plant upgrade – (\$285,000 allocation)**

The Frederick Street water treatment plant upgrade is making better progress now with the smooth running of potable water delivery and a dedicated project manager contracted for the work. Purchasing of a portacom to house the new UV units, the UV units themselves and the associated pipework are being purchased and will easily use the DIA allocated funds prior to the deadline required.

## **5. THIRD QUARTER REPORTING COMPLETED**

Quarterly reporting is required by DIA/Crown Infrastructure Partners on all projects, project spend, draw down requirements and completion dates. Q3 reporting was completed in early July 2020.

## **6. CONSIDERATIONS**

### **6.1 Climate change**

Any upgrade work takes climate change into consideration and the DIA projects are no different. For this report however there are no climate change implications.

### **6.2 Tāngata whenua**

Nothing in this report is specific to Tāngata whenua

### **6.3 Financial impact**

All projects are funded by COVID DIA grant allocation and have no impact on existing budgets.

### **6.4 Community Engagement requirements**

No community engagement is required

**6.5 Risks**

Only the Dalefield wastewater renewal carries any risk for DIA completion dates and has been mitigated by having a completion requirement on the tender documents and pre-purchase of materials.

**7. RECOMMENDATION**

That the Committee:

1. **Receives** the report

**File Number:** 135142

**Author:** Dave Gittings, Infrastructure, Planning and Regulatory Manager

**Attachments:** Nil





## 6.5 WATER SUPPLY

### 1. PURPOSE

For the committee to be informed of the Water Treatment Plant's (WTP's) operations and work carried out by the reticulation water team.

### 2. SIGNIFICANCE

The matters for decision in this report are not considered to be of significance under the Significance and Engagement Policy.

### 3. DISCUSSION

#### OPERATIONAL

a) Frederick St WTP has been supplying the towns reticulation this past month, with the Kaipaitangata WTP only supplying the four properties at the top of Dalefield Road. However, on Tuesday we swapped over to the Kaipaitangata WTP for a day while the upgrade work at Frederick St WTP commenced.

The Water Team is continuing with a level one flush of the towns reticulation weekly and recording chlorine residue (FAC) levels. We are no longer reporting these to the Ministry of Health; however, we will continue with this procedure and the results filed to become records if at any stage the Ministry of Health Drinking Water Assessors have any queries.

Since the last committee meeting all the timber tanks have been repaired and assessed. Unfortunately, due to the weather we could not shut down Frederick St to empty the tanks for an internal inspection.

Frederick St - the cable fixings were tightened, and the roofs inspected and sealed on both tanks.

The left-hand bigger tank has a liner leak and the roof liner where it meets the tank wall needs to be refitted. The roof liner in the smaller tank also needs to be checked. These will need to be repaired towards the end of the year.

Kaipaitangata - the roof cladding was fixed. The liner has a leak near the water level indicator, to be repaired later.

Note: All the liners are showing signs of deterioration, due to the chlorination contact time in the tanks. The timbers on the left-hand tank at Frederick St are rotting and as such this tanks life span will need to be investigated.

b) The Annual Drinking Water Survey for 2020-2021 is underway and all data for compliance has been sent through to the Ministry of Health's Drinking Water Assessor.

**Projects**

a) Upgrade of Frederick St WTP – the original scope for this work was created in 2019.

Due to the upcoming changes in the drinking water standards and the assessments undertaken by consultants on the plant, we placed a hold on the work last month and made a reassessment of the work required.

A new functional description of the plant has been drafted to ensure that all procedures and that the new proposed design is fit for purpose and satisfies all relevant NZ regulations current and upcoming.

The work has been reallocated to all the original parties but one and work has recommenced as of this Tuesday, starting with the automatic generator changeover, which is to be controlled from the new switchboard.

The biggest change to the original scope of works is based around the overall control of the plant and treatment processes to meet compliance, including an upgrade of the UV system to change over to criterion 5 for bacteriological disinfection using UV light.

**Reticulation**

The reticulation team have been busy with service requests, new connections and installing new smart water meters and backflow on commercial properties.

**4. NEXT STEPS**

- Secure Water Supply Sample points on the Reticulation
- Frederick St WTP Upgrade including 2<sup>nd</sup> UV treatment
- Scada and Programming review
- Identification of Assets in the plants
- Installation of Smart water meters for both Residential / Rural and Commercial
- Installation of Backflow prevention for both Residential / Rural and Commercial
- Continue coordinating the transfer of data - Water Outlook (Biological Sample data, SCADA data, Water Meter data, plant information and Resource Consent Conditions)
- New Water Safety Plan

**5. CONSIDERATIONS****5.1 Climate change**

None of the issues reported in this paper are considered to have climate change considerations.

**5.2 Tāngata whenua**

No impact.

**5.3 Financial impact**

All operations work is within allocated budgets.

**5.4 Community Engagement requirements**

No community engagement is required.

**5.5 Risks**

The actual life span left in the timber water tanks will need to be investigated in the next financial year.

**6. RECOMMENDATION**

That the Committee:

1. **Receives** the report

**File Number:** 135147

**Author:** Rachel Round, Consents, Compliance and Operations Manager

**Attachments:** Nil



## 6.6 WWTP UPGRADE

### 1. PURPOSE

For the committee to be advised of progress with the Wastewater Treatment Plant (WWTP) Upgrade Project.

### 2. SIGNIFICANCE

The matters for decision in this report are not considered to be of significance under the Significance and Engagement Policy

### 3. WWTP UPGRADE OVERVIEW

Since the previous report on stage 2 progress, two of the deferred storage ponds now have been lined. The third central pond requires a small section to be covered in. Following remedial work on the liner and anchor trench the specialist liner integrity testing team from South Australia can come and complete the testing. In the meantime, they have been put on hold.

Sections of the work for stage 3 has progressed during pockets of suitable periods between less desirable winter conditions. But we are still within the timeframe of our consents to have the reservoirs operating. Once the physical works on the site are completed the upgraded plant will be commissioned.

### 4. PROGRESS

Below **Figure 1** is an aerial photo of the reservoir's progress photographed on 9th July 2021 showing the completed earth dam and the three ponds still partially lined and identifies the section to be lined once earthworks remedial action is taken by CHB on the anchor trench. **Figure 2** shows the grass though patchy is managing to establish itself on the embankment crests with the aid of the eco-friendly turf reinforcement matting.



**Figure 1: Southern Dam Wall near completion**



**Figure 2: Topsoil and grassing of crests**

## 5. STAGE 3 – PIPELINES AND PUMPS

The pump station building south of the proposed pump's chamber location has now been erected. **Figure 3** shows the building prior to the roof being installed and also the completed transformer. Work is proceeding on the installation of the headworks which includes SS pipework, valves, actuators (automation), power and communications cabling shown in **figure 2**. The valve pad splits the flows received from the new reservoirs to the two deficit irrigation applicators.

The intake main pipeline has now been installed along the length of the northern pond walls and is ready for the three individual intake pipes to be installed. Once these and the 2 new pumps are installed in the new wet well the ponds could be filled from the existing WWTP (also upon completion liner integrity testing).

However, this won't be practicable until the outlet pipework and pumps has been installed along with the emergency outfall.

The control building has now been fully erected and is ready to receive the controls which have all been pre purchased to mitigate delivery delays.



*Figure 2: Valve pad.*



*Figure 3: Control Building and 300KVA Transformer.*

## 6. NEXT STEPS

Over the following months, weather permitting all the outlet pipework, pump station headworks and pump station will be installed.

## 7. CONSIDERATIONS

### 7.1 Climate change

N/A

### 7.2 Tāngata whenua

Representatives of Kahungunu and Rangitane Iwi are on the project's advisory group. Formal meeting held a on the 17 June 2021 at the council premises.

Reservoirs discharge is being negotiated with Ngāti Kahukuraāwhitia.

**7.3 Financial impact**

All financial reporting is to the Wastewater Treatment Plant Upgrade Governance Group.

**7.4 Community Engagement requirements**

There is opportunity for the council to engage with the local community at site open day once ponds are fully lined. Regular project updates now available on council web site along with visual presentation at the council's info counter.

**7.5 Risks**

Risks are reported and reviewed at the Wastewater Treatment Plant Upgrade Governance Group

**8. RECOMMENDATION**

That the Council/Committee:

1. **Receives** the report

**File Number:** 135150

**Author:** Matt Chapman, Project, Contract and Procurement Officer

**Attachments:** Nil



## 6.7 WASTEWATER AND SOLID WASTE ACTIVITIES

### 1. PURPOSE

For the Committee to be informed and updated on Wastewater and Solid Waste operations.

### 2. SIGNIFICANCE

The matters for decision in this report are not considered to be of significance under the Significance and Engagement Policy.

### 3. WASTEWATER OPERATIONS

#### What we know so far:

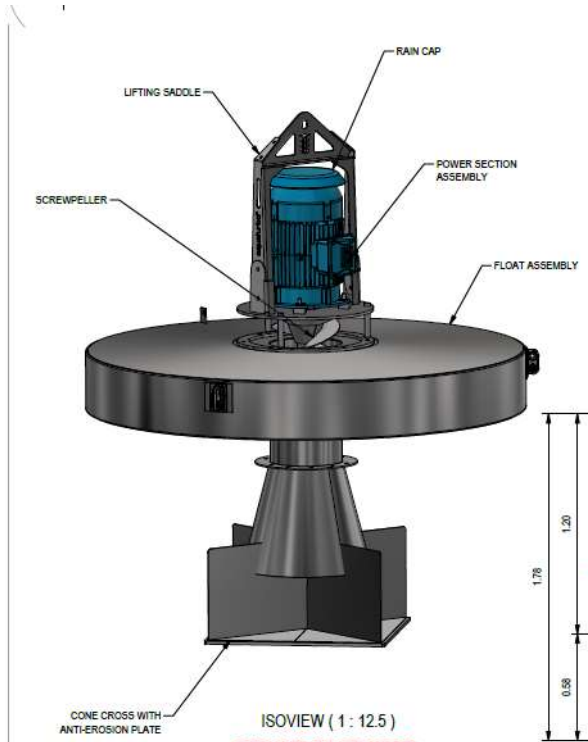
- An unknown influent entered the WTP and onto the receiving pond (P1). The reported smell of the contaminant suggested some form of organic solvent.
- This has caused a toxic shock to initially P1 and then the two other ponds, suppressing the biology and leading to significant odour, which we received many complaints about.
- We initially hired a sucker truck to take wastewater and good bacteria from P3 into P1 and dosed high levels of calcium-nitrate into all the ponds (Calcium Nitrate helps to biologically dissolve sulfide (the smell)).
- We borrowed and used a boat with an outboard to promote stirring and oxygenation.
- When these steps did not solve the issues, we called in Parklink who specialise in wastewater pond management. On their advice we shock dosed the ponds for 3 weeks with their products and are now dosing in the incoming channel as a maintenance dose, the dissolved oxygen levels (DO's) have come up on P2&P3, these ponds are slowly showing signs of recovery, however they could turn again.
- We borrowed an aerator from MDC to place in P2 as we do not have or have ever had any existing aeration for P2. This aerator is currently running on a generator 24 /7 (so is high maintenance).
- P1 has not shown any signs of recovery, this has been put down to the amount of sludge in P1, as P1 was the direct receiving pond for all the disposal from trucks in the past, it is expected that the sludge level is significantly high.
- Parklink have met with GWRC to discuss our consent conditions (on our behalf), so they have a better understanding of our conditions and requirements to enable us to meet these conditions.

#### This week and moving forward:

- We have engaged Parklink to undertake a sludge survey of all 3 ponds and the wetlands.



- We have borrowed 2 new Aquaturbo aerators from Aeris Global in Wanaka, complete with all installation accessories, and with the option of purchasing at a later date. Aeris delivered the aerators last week and will be back in approximately 3 weeks to install them. The delivery was free, however there is a cost for the installation (refer to costs table).
- We have engaged Ordish and Stevens to put in power to P1 and P2, in preparation to power the 2 aquaturbo aerators.



The AquaTurbo Aerators have a large oxygen dispersion zone (52-64m diameter), and by placing these in P1 and P2 we expect a significant change in DO levels, which we report on for our consent conditions.

**Costs to date and forecasted:**

Description	Quantity	Cost
Chemicals, Dosing pump and site visits		\$45,782.50
Estimate for chemicals required for the next 6 months PL-IND \$3300.00 a drum	4	\$13,200.00
Estimate for chemicals required for the next 6 months PL-SA \$3300.00 a drum	4	\$13,200.00
Estimate for chemicals required for the next 6 months Vitaslim Rebuild	2	\$1,360.00
Estimate for labour and travel		\$2,700.00
Quote: Sludge Survey and Deliverables		\$15,790.00
Estimate to Undertake sludge removal - P1		\$30,000.00
Estimated - Power installation to Pond 1 and 2		\$30,001.00

Quote: Professional fees, insurance, and cost to install in the aerators including H&S		\$24,697.22
Quote: Aerators x 2 with a 25% discount		\$74,417.26
Total including purchase of Aerators		\$251,147.98
Total excluding purchase of Aerators		\$176,730.72

These costs are outside of everyday operational maintenance and consideration is required for the occurred costs to date and forecasted costs, inclusive of capital expenditure on the installation of power and aerators.

#### 4. **SOLID WASTE**

The grounds out at the Transfer Station have been cleaned up, all identified Health and Safety matters (as discussed in the previous report) have been executed by Earthcare. This is inclusive of the purchase of 2 new double skinned oil receptors to replace the existing one, which does not meet current standards, a new shed over the oil receptors and a new shed for paint storage (to meet current hazardous goods standards).

The operation and grounds of the transfer site have been handed over to Earthcare to manage, therefore they have the full responsibility for the security of the site. Operations have keys for the front and side gates, and one that can be booked in and out for any external contactors.

We are continuing to improve the transfer station as funds allow and in conjunction with Earthcare.

#### 5. **CONSIDERATIONS**

##### 5.1 **Climate change**

This report does not specifically have impacts from climate change or present any mitigation measures.

##### 5.2 **Tāngata whenua**

This report does not impact on any current decision making.

##### 5.3 **Financial impact**

This report highlights the additional operational expenditure required in response to the chemical spill. We will have a better idea of how this may impact the overall Council operational budget later in the financial

##### 5.4 **Community Engagement requirements**

This report does not have any community engagement requirements.

##### 5.5 **Risks**

There are no risks associated with this report.

#### 6. **RECOMMENDATION**

That the Committee:

1. **Receives** the report

**File Number:** 135159

**Author:** Rachel Round, Consents, Compliance and Operations Manager

**Attachments:** Nil



## 6.8 EVENT CENTRE AND FACILITIES REPORT

### 1. PURPOSE

For the committee to receive this report for the Carterton Event Centre and council facilities management.

### 2. SIGNIFICANCE

The matters for decision in this report are not considered to be of significance under the Significance and Engagement Policy.

### 3. EVENT CENTRE

The Winter Festival kept the Event Centre team busy in July. Juggling the Ice Rink, events, School Holiday Programme and business as usual. Eight events were held in the Event Centre over the 10-day festival. Over the first weekend the Auditorium was turned over three times to cater for 3 separate events.

Coming up at the Event Centre over the next couple of months is Stevie Nicks, Bride of the Year, Rotary Book Fair, Wonderland Glow Show, The Eagles Experience, and the Home and Interiors Show.

We recently had a volunteer trainee for two of our events, who joined the venue team gaining hands on experience for her Skills Active course Certificate in Entertainment and Event Operations. We always try to offer as many opportunities as we can to help develop depth in the Events industry along with our casual workforce.

#### Event Centre & Facilities Maintenance

- Reflection tape has been added to the Aluminium bollards and footpath in front of the Event Centre
- The HVAC unit (which heats the Auditorium) needs repair, long term the storage tank within the unit will need replacing. This unit is from an Italian manufacturer and is the only one in the Wairarapa. We are working with local companies and the manufacturer as to how we proceed with this repair.
- Number 23 and 29 Holloway Street both had instances of water ingress during the recent heavy rainfall. From initial inspection the building will require further waterproofing to the exterior walls below ground level.
- Detailed plan for the Swimming Pool seismic strengthening upgrade has been received and shared with contractors to obtain quotes, accurate pricing and enable council consenting.

- Extra lighting and cameras have been installed at the exterior of the Carrington park toilets. No issues have been reported at either Carrington Park or Memorial Square during this period.
- The council main office and Operations yard offices have had no major repairs or maintenance carried out over this period.

#### **CCTV Cameras**

It has been found connecting the Carterton police station has proved more involved than anticipated. This is due to the police's request that the capacity is there to add South Wairarapa's camera network in the future. An estimate is being provided so we know the costs involved if South Wairarapa District Council and Police want to pursue this in the future.

Currently the CCTV footage is available and can be viewed and retrieved from the server room in the Events Centre.

#### **4. CONSIDERATIONS**

##### **4.1 Climate change**

Climate change and the impact on the environment are considered when we are looking at what materials we use, for lighting and general maintenance.

##### **4.2 Tāngata whenua**

N/A

##### **4.3 Financial impact**

All matters in this report are covered by existing budgets.

##### **4.4 Community Engagement requirements**

All matters in this report are not considered to be of significance under the Significance and Engagement Policy.

#### **5. RECOMMENDATION**

That the Committee:

1. **Receives** the report

**File Number:** 135180

**Author:** David Sims, Venue and Facilities Coordinator

**Attachments:** Nil

**7 KARAKIA WHAKAMUTUNGA**