

Wastewater Treatment Plant Upgrade Project
Public reports from Committee and Council meetings from 2020



30 January 2020

Infrastructure and Services Committee

Carterton Wastewater Treatment Plant Upgrade Project

1. PURPOSE

To advise the Committee of progress with wastewater treatment plant 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. STORAGE RESERVOIRS CONSTRUCTION

Full completion of pond lining, top soiling, and ephemeral channel relocation works are now estimated to be April 2020. This date remains within the consent requirement timeframes.

Work has progressed slower than anticipated due to the removal of an additional 44,000m³ of unsuitable material which has been utilised to fill the existing ephemeral channel (photo 2) and provide levelling under the proposed second pivot. Fortunately, there is suitable fill alongside the highway and at this stage, there appears to be enough volume to complete the reservoirs. Reservoir 1 will be ready for installation of the lining by the end of February although lining of all three ponds will be done once all three ponds are ready to accept the lining. *Figure 1: Subsoil Drainage in Reservoir 1*



4. EPHEREMAL CHANNEL RELOCATION WORKS

Final sections of the existing ephemeral channel have been filled with the unsuitable material excavated from the main site, resulting in the ability to provide a more consistent contour under the proposed new second pivot. The picture shown below identifies the levelling beneath pivot 2. The remaining replacement channel (13,000m³) is still to be completed.



Figure 2: levelling beneath pivot 2

5. STAGE 3 – PIPELINES AND PUMPS

Final design layout for the pipework, pumps and control monitoring are currently being evaluated. Final construction drawings and specifications should be available at the end of February. The tender process is planned to be undertaken in March with a potential construction start date of April to coincide with the completion of the reservoirs.

While reviewing the design for the stage 3 pipework an opportunity has arisen to explore the possibility of re-routing the outfall pipeline to the northwest avoiding the proposed drains with potential cost savings. The re directed pipework would be subject to an agreement with the landowner.

6. WETLAND ALTERATION

Below is the proposed plan for the drains for the re-homing of mudfish currently being cared for at Greater Wellington Regional Council.



Figure 3: Proposed drains

7. Financial

The stage 3 (pipework) Engineer's Estimate has been received and planning refinements are underway. These will be reviewed by the Project Governance Group.

Current spend is tracking nearly \$1.9m less than forecast due to Stage 2 completion delays, and stage 3 has not started.



8. CONSIDERATIONS

8.1. Climate change

As part of the stage 3 considerations were given regarding the type of material that may be used. The manufacturing carbon footprint considers how many greenhouse gases are released throughout the supply chain and a score produced. This score is offset against potential capital costs of the selected product.

8.2. Tāngata whenua

N/A

8.3. Financial impact

Engineers estimate for Stage 3 is currently under review.

8.4. Community engagement requirements

An open day was held late last year. Plans for more through this year brings an opportunity for the council to engage with the local community.

8.5. Risks

There are no imminent risks at this stage of the construction.

9. RECOMMENDATIONS

That the Infrastructure and Services Committee:

1. **Receives** the report.

Matt Chapman

PROJECT MANAGER



TE KAUNIHERA-Ā-ROHE O TARATAHI
CARTERTON
DISTRICT COUNCIL

Audit and Risk Committee Meeting

Wednesday
4 March 2020
9.30am

Committee Members: Philip Jones (Chair), Mayor G Lang, Deputy Mayor R Vergunst, Crs R Cherry-Campbell
and S Bertram

Audit plan

Carterton District Council

For the year ending 30 June 2020

Audit risk/issue	Our audit response
Procurement and contract management	
<p>The District Council has a new significant contract in place to maintain and service its road corridor throughout the District.</p> <p>This is a significant agreement for the District Council and includes a large portion of the Council's expenditure for asset renewals and replacements.</p> <p>Due to the size and coverage, sound policies and practices in the areas of procurement and contract management are essential.</p>	<p>We will review the roading contract managed by the District Council and complete the following:</p> <ul style="list-style-type: none"> • Perform testing against the District Council's policies and procedures, and good public practices, for the management and procurement of goods and services. • Confirm that contract management procedures are being followed. • That appropriate oversight of the contract is maintained by the District Council.
Waste water treatment plant project	
<p>Over the course of the last 10 years the District Council have been working to upgrade the wastewater treatment plant. The project has taken this long due to the fact the District Council have only recently obtained a 35 year resource consent after obtaining only interim consents from early 2009 onwards.</p> <p>During this time, as the scope of the projects has continued to increase to accommodate growing resource consent requirements, the expected costs have also increased.</p> <p>The Council are now in full construction phase with a significant element of expenditure budgeted, with a cost of \$6.6 million being incurred between 2018/19 and 2023/24.</p>	<p>We will update our understanding of the project and consider the adequacy of:</p> <ul style="list-style-type: none"> • project governance and management structures; • procurement and project management processes applied; and • risk management practices. <p>We will also consider the adequacy of systems in place for recording costs and commitments associated with the project. This includes reviewing the classification of expenditure on the project to make sure this has been accounted for in accordance with generally accepted accounting practice, identifying commitments and reviewing the District Council's impairment assessment at balance date.</p> <p>We will review expenditure incurred on the project and, where capital expenditure has been incurred, whether the expenditure meets capitalisation criteria as set out in the accounting standards.</p>



TE KAUNIHERA-Ā-ROHE O TARATAHI
CARTERTON
DISTRICT COUNCIL

Ordinary Council Meeting

Agenda

to be held on

Wednesday 18 March 2020 at

1.00pm

at the

Carterton Events Centre 50 Holloway Street, Carterton

Mayor G Lang, Deputy Mayor R Vergunst, Crs B Deller, R Keys, J Greathead, R Stockley, S Bertram, S Cretney, R Cherry-Campbell

18 March 2020

2020/21 Annual Plan Consultation Approach

1. PURPOSE

For the Council to determine its community engagement approach for the 2020/21 Annual Plan.

2. SIGNIFICANCE

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

3. BACKGROUND

Council produces a Long-Term Plan (LTP) every three years. The LTP is subject to the Special Consultative Procedure as set out in the Local Government Act 2002 (LGA). Annual Plans are produced for Years 2 and 3 of an LTP, confirming forecasts and taking into account any changes that have occurred since the LTP was adopted. Following Year 3 a new LTP is prepared and adopted.

Council adopted its most recent LTP in 2018, covering the period 2018-2028. As part of the Special Consultative Procedure undertaken in relation to this LTP, significant work was done to consult with the community and collect submissions on the content of the plan.

For the 2019/20 Annual Plan, a consultation was also undertaken, in relation to proposed changes from Year 2 of the LTP.

4. DISCUSSION

Under the requirements of the LGA, Council is only required to consult on its Annual Plan if significant changes are planned between the Annual Plan and the corresponding year of the LTP. Council's criteria for significance are detailed in the Significance and Engagement Policy.

While preparing forecast budgets for 2020/21, potential variations have been identified and discussed informally with Council. These variations have been assessed against Council's Significance and Engagement Policy. None of these variations have been assessed as significant.

Variations stem from legislative changes, and changes previously agreed to as part of the consultation conducted last year on the 2019/20 Annual Plan. Variations include:

1. Renewal of the dog pound, which is now anticipated to occur in 2020/21 and is being developed as a shared facility.

2. Revision of construction costs for the Wastewater Treatment Plant (WWTP) development, reflecting improved cost estimates.
3. Improvement of supply and treatment facilities for potable water in light of Government recommendations.
4. Increasing the discretionary grants annual budget for community grants.
5. Changes to the way that Councillors are remunerated, and their level of remuneration, which have been determined independently by the Remuneration Authority.
6. Some changes to our staffing, such as the development of regional roles, which are cost shared with Masterton (MDC) and South Wairarapa (SWDC) District Councils.

A copy of the current Draft Annual Plan 2020/21 document is in **Attachment 1** for your reference. Please note that this document does not reflect finalised costing information for the WWTP project, as this is yet to be confirmed.

5. OPTIONS

Council has two options for engagement on the 2020/21 Annual Plan:

1. Inform only campaign (recommended):
2. Formal consultation.

An inform only campaign is recommended, because variations proposed are not significant, and Council has no legislative requirement to consult.

In addition, staff time and financial savings from the decision not to consult would be able to be invested in work on the 2021-31 LTP, which is currently underway, and which is a significant project for Council and the community.

Many in the community consider an Annual Plan consultation period as an opportunity to express views on the future of Carterton, and the activities of Council. In respect of this and as the recommended alternative approach, Elected Members would undertake a significant amount of engagement with the community in the first half of 2020 in relation to the LTP, gathering community views to inform and direct this work. An engagement plan is currently being developed for this work.

6. NEXT STEPS

If the decision is made not to conduct formal consultation, the final Draft Annual Plan 2020/21 will be presented to Council for adoption (along with the Rates Resolution) at the 24 June 2020 meeting.

If the decision is made to conduct formal consultation, a timeline will be developed for the preparation and adoption of a Consultation Document, an appropriate consultation period, and times for hearings and deliberations, prior to adoption of the Annual Plan in June 2020. An Extraordinary Council Meeting would be called to adopt this Consultation Document, likely in early April.

7. CONSIDERATIONS

7.1. Climate change

No considerations.

7.2. Tāngata whenua

Appropriate communications with iwi would be carried out as part of informational community engagement activities.

7.3. Financial impact

If Council agrees to the recommendation, there would be a saving (in financial and staff time).

7.4. Community engagement requirements

Council has no legislative requirement to consult formally on the 2020/21 draft Annual Plan.

If Council agrees to the recommendation, an informational communication and engagement campaign would be undertaken with the community.

7.5. Risks

Council has followed legislative guidance in relation to the decision to consult.

8. RECOMMENDATIONS

That the Council:

1. **Receives** the report.
2. **Notes** the current Draft 2020/21 Annual Plan at **Attachment 1**.
3. **Resolves** to not conduct formal consultation on the 2020/21 Annual Plan given there are no significant or material differences from Year 3 of the LTP.

Jane Davis

Chief Executive

Attachment 1: Draft 2020/21 Annual Plan - Report to be tabled

18 March 2020

Establishment of Tenders Committee for the Wastewater Treatment Plant Upgrade Project

1. PURPOSE

For Council to establish a Tenders Committee for the Wastewater Treatment Plant Upgrade (WWTP) Project.

2. SIGNIFICANCE

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

3. BACKGROUND

The WWTP project is now well into its build stages. A Tenders Committee was established in the last term of the Council to consider tenders and award contracts for project.

The Tenders Committee last term had the same membership as the Wastewater Treatment Plant Upgrade Project Governance Group: Councillors Keys and Deller and the Chief Executive. While the Infrastructure and Services Manager is on the Governance Group, he was not appointed to the Tenders Committee so that he could provide advice to the Committee.

The same membership of the Governance Group was reappointed at the beginning of the current Council term.

4. PROPOSED WWTP TENDERS COMMITTEE

It is proposed to adopt the same approach to managing and making decisions on tenders for the project as last term, i.e. to appoint the members of the WWTP Governance Group to a Tenders Committee.

The Terms of Reference for the Committee is proposed to be the same as the previous committee. It would include the consideration of WWTP tenders, appointment of preferred tenderer and a delegation to agree a contract. Terms of Reference are in **Attachment 1**.

It is proposed the Committee has a delegation to approve a contract up to \$3.5 million.

5. CONSIDERATIONS

5.1. Climate change

N/A.

5.2. Tāngata whenua

Consideration has been given to appointing an Iwi representative to the Committee. Given the technical nature of the Committee and its financial delegation it is considered that appointing external members to the committee is not appropriate.

5.3. Financial impact

The Tenders Committee will work within in current budgets.

5.4. Community engagement requirements

There would be little value engaging the community on the establishment of the Committee.

5.5. Risks

There are no identifiable risks associated with the establishment of the Committee.

6. RECOMMENDATIONS

That the Council:

1. **Receives** the report.
2. **Agrees** to establish a WWTP Tenders Committee to consider tenders and award contracts for the construction of works for the upgrade of the Council's wastewater upgrade on Dalton Farm.
3. **Adopts** the Terms of Reference for the WWTP Tenders Committee, in Attachment 1.
4. **Delegates** to the WWTP Tenders Committee authority to approve the expenditure of up to \$3.5 million in the form of a firm contractual arrangement subject to:
 - i. Adequate and demonstrated financial provision in the current Council's Annual Plan
 - ii. Adequately demonstrated contractual provision for the protection of Councils interests during the execution of the contract works and the ensuring defects liability period
5. **Appoints** Councillors Deller and Keys and the Chief Executive to the WWTP Tenders Committee.

Jane Davis

Chief Executive

Attachment 1: Draft Terms of Reference – WWTP Tenders Committee

WWTP Tenders Committee Terms of Reference

Purpose

To consider tenders and award contracts for the upgrade of the Carterton Wastewater Treatment Plant.

Specific Responsibilities

1. To consider tenders.
2. To evaluate and decide the preferred tender.
3. To award contracts following full tender processes.

Membership

Two Councillors and the Chief Executive.

Quorum

Two elected members and the Chief Executive.

Meeting frequency

As required.

Delegation

Approval to award contracts up to \$3.5 million in the form of a firm contractual arrangement subject to:

- Adequate and demonstrated financial provision in the current Council's Annual Plan
- Adequately demonstrated contractual provision for the protection of Council's interests during the execution of the contract works and the ensuring defects liability period



TE KAUNIHERA-Ā-ROHE O TARATAHI
CARTERTON
DISTRICT COUNCIL

Ordinary Council Meeting

Agenda

to be held on

Wednesday 27 May 2020 at
1.00pm

at the

Carterton Events Centre 50 Holloway Street, Carterton

Mayor G Lang, Deputy Mayor R Vergunst, Crs B Deller, R Keys, J Greathead, R Stockley, S Bertram, S Cretney, R Cherry-Campbell

Te Rangikaiwhiria Reiri and Mihi Namana (Iwi Representatives)

5. WASTEWATER TREATMENT PLANT UPGRADE PROJECT

The construction team has been working hard since the 27 April to get the new reservoirs ready for the lining to be installed. The challenges post-COVID shut down have certainly been tough and the dedicated project team is currently working through these. Unfortunately, ideal weather conditions for laying reservoir liners occurred through the COVID shut-down which is an opportunity lost, however, the aim is to push forward with the program of work in which we all hope to see significant completion by the end of June. A Tender has been advertised for construction of the next stage of works, the pipework and pumping joining the existing treatment plant with the new reservoirs.



Wetland Alteration

Below is the area set aside for additional drains for the re-homing of mudfish currently being cared for at GWRC the construction of which has been completed.



6. COMMUNITY SERVICES

6.1. COVID-19

The impact of COVID-19 came early for the Community Services Team when one of our Council staff members returned a positive result.

As there were a number of staff off sick at the time with flu like symptoms, we had an anxious wait for nine people who were subsequently tested for COVID, with all returning negative results. As our positive result was one of two unknown community transmissions, the national media interest was intense, as was the local community response.

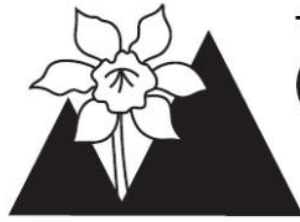
With the arrival of level 4, we had a number of staff that were able to continue working from home and others that were redeployed to alternative duties.

6.2. Parks and Reserves

The team were unable to work in level 4 and were redeployed to assisting the Carterton medical centre with traffic control due to the centre being situated on State Highway 2 and the levels of people needing testing. This continued until this week when we returned to level 2 and the staff were back to normal duties.

6.3. Emergency Operation Centre (EOC)

A number of staff were deployed into the Emergency Operation centre, roles ranging from Alternate controller, Welfare manager, Operations, Planning Manager, logistics and Public Information Management (PIMS).



TE KAUNIHERA-Ā-ROHE O TARATAHI
CARTERTON
DISTRICT COUNCIL

Infrastructure & Services Committee Meeting

Wednesday

3 June 2020

8.30am

Committee Members: Councillor's R Keys (Chair), S Cretney, R Stockley and B Deller.
Ra Smith (Iwi Representative)

3 June 2020

Infrastructure and Services Committee

Carterton Wastewater Treatment Plant Upgrade Project

1. PURPOSE

The purpose of this paper is to advise the Committee 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. STORAGE RESERVOIRS CONSTRUCTION

Below (Figure 1) is an aerial photo of the situation on the 23 March before the 4-week COVID-19 shutdown. The photo demonstrates the obvious run of fine weather that occurred pre, and during lockdown.



Figure 1: Pre COVID 23 March 2020

Since 28 April the construction team has been working hard to get the new reservoirs ready for the lining to be installed (Figure 2). Significant challenges post COVID-19 shut down have

been complex and the contractor and the council project team are working through these issues.

Unfortunately, ideal weather conditions for laying reservoir liners occurred through the COVID-19 lockdown. We all hope to see significant completion in the next few months, however laying liner in winter poses greater delay risks due to possible inclement weather conditions.



Figure 2: overview 18 May 2020

4. EPHEMERAL CHANNEL RELOCATION WORKS

Before the COVID-19 shutdown (Figure 3) the existing ephemeral channel had been filled and levelled utilising the additional 45,000m³ of unsuitable material excavated from the main site. All that remains is to complete the contouring and topsoiling. The replacement channel was approximately 50% completed pre-COVID-19 shutdown.



Figure 3: New Ephemeral channel – photo (19 March) taken a few days before COVID-19 shutdown.

5. STAGE 3 – PIPELINES AND PUMPS

Final construction drawings and contract specifications were submitted by our consultants MOTT MacDonald on the 8 May. A Request for Tender was openly advertised on the 14 May. The successful tenderer will be awarded the work by the end of June with a potential construction start date of 20 July. This will run parallel with the final completion of the reservoirs.

Following up from my previous report there was no agreement reached with the landowner South of Gallon Rd allowing re-routing the outfall pipeline alignment to avoid the wetlands, therefore the alignment alongside the eastern drain will remain as planned.

6. WETLAND ALTERATION

Below is a photo taken just after the completion of the drains constructed for the re-homing of mudfish, which are currently being cared for at Greater Wellington Regional Council (figure 4).



Figure 4: Completed drains 23 March 20

7. CONSIDERATIONS

7.1. Climate change

Stage 3 – the opportunity to install solar panels to power wetland pumps.

7.2. Tāngata whenua

N/A

7.3. Financial impact

The WWTP Governance Group is reviewing the budget and expenditure on a regular basis.

7.4. Community engagement requirements

Opportunity for the council to engage with the local community at site open days.

7.5. Risks

AS with all major construction projects there a financial and timing risks. These are being overseen and managed by the WWTP Governance Group.

8. RECOMMENDATIONS

That the Infrastructure and Services Committee:

1. **Receives** the report.

Matt Chapman
PROJECT MANAGER



TE KAUNIHERA-Ā-ROHE O TARATAHI
CARTERTON
DISTRICT COUNCIL

AGENDA

Ordinary Council Meeting

Date: Wednesday, 12 August 2020 **Time:**
1.00pm

Location: Carterton Events Centre
50 Holloway Street
Carterton

Cr R Cherry-Campbell
Cr S Cretnay

Cr B Deller
Cr J Greathead
Cr R Keys
Cr R Stockley
Iwi Representative T Reiri
Iwi Representative M Namana



6.7 WASTEWATER TREATMENT PLANT UPGRADE STAGE THREE CONTRACT

1. PURPOSE

For the council to approve the awarding of the contract for stage three of the wastewater treatment plant upgrade.

2. SIGNIFICANCE

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

3. BACKGROUND

Over the period May-June 2020 tenders were publicly advertised for the stage 3 wastewater treatment plant (WWTP) upgrade. The scope of work includes the installation of new pipes and pumps and associated mechanical, electrical, and controls to supply the new reservoirs, including the pipeline and outfall structure to the Mangatārerere Stream.

The engineer's estimate for the work was \$2,987,559. The procurement process used was "lowest price conforming". This means the lowest price conforming tender are identified as the preferred tender. In the tender evaluation, prices submitted would be looked at as the first step. The lowest price tender would then be assessed for conformance with the terms of the tender. Only if that tender was not conforming would the next lowest price tender then be evaluated.

The Council established a WWTP Tenders Committee to oversee the tender process and to award the contract. The Committee's Terms of Reference outlines its role, which is to:

1. To consider tenders.
2. To evaluate and decide the preferred tender.
3. To award contracts following full tender processes.

The Council delegated to the Committee authority to award contracts up to \$3.5 million in the form of a firm contractual arrangement subject to: adequate and demonstrated financial provision in the current Council's Annual Plan; and adequately demonstrated contractual provision for the protection of Council's interests during the execution of the contract works and the ensuring defects liability period.

The WWTP Tenders Committee met on the 8th of July to consider a report from officers on the outcome of the tender process. The Committee agreed to shortlist Ordish and Stevens as the preferred tenderer, (being lowest price confirming) and requested the Chief Executive enter into negotiations with Ordish and Stevens to find low risk cost reductions. The tender price, which was based on the engineer's scope of works, was significantly above the engineer's estimate.

The Committee also resolved that the Chief Executive enter into a contract with Ordish and Stevens provided the final contract price was within the Annual Plan budget. Otherwise, the Committee resolved to recommend to the Council it awards the contract to Ordish and Stevens, noting the requirement for the approval of unbudgeted capital expenditure. The Annual Plan budget is \$2.9 million.

Therefore, the Council will need to approve the unbudgeted capital expenditure and confirm the awarding of the contract.

4. DISCUSSION

Following the Wastewater Treatment Plant Tenders Committee meeting officers advised Ordish and Steven's (O&S) that they were the preferred tenderer and invited them to enter into negotiations, with a view to awarding them the contract if terms could be agreed. Over a 3-week period officers and O&S negotiated in good faith. Through the collaborative approach efficiency gains were identified.

Though there was no single item saving, investigating alternative materials and fittings resulted in significantly improved efficiencies, providing cost savings over the engineer's estimate close to 20% for the council without compromising outcomes.

Taking the engineer's scope of works as the starting point, below is an outline of the efficiencies gains and value-added solutions that the negotiating team has investigated, along with the associated risks, which are predominantly low and, in a few cases, may have implications for future maintenance.

Relacing polyethelene pipe with polyvinyl chloride pipe

The alternative to polyethelene pipe (PE PN8) is orientated polyvinyl chloride (PVC- O PN10), a pipe that meets the same operational performance standard but uses rapid installation methods. It requires fewer mechanical resource inputs but more labour. It will reduce the project's carbon footprint and create additional employment opportunities.

PVC-O pipe comes with some additional whole-of-life operating benefits and future- proofing in the form of a 25% higher pressure rating, a simple jointing system that doesn't require specialist PE welding equipment, uses three times less quantity of imported plastic resulting in a reduction of embodied carbon. Taking less non- renewable fossil fuel, and less energy to make, it has a lower cradle-to-grave impact. PVC reprocesses well and offers an even smaller carbon footprint once recycled into a second (or third) life applications.

Alternative locally sourced aggregate

An alternative locally sourced aggregate for the pipe bedding will be used rather than importing from outside Wairarapa. This product allows the drainage contractor greater flexibility to work during inclement weather conditions, if necessary, to maintain suppliers' productivity and assist with reducing dewatering effort.

Remove the planned concrete valve chambers

Eliminating precast concrete valve chambers will remove the high capital costs of precast manufacture and road transport. Instead the valve will be direct buried. Direct burying doesn't reduce the life of the valve however it will affect future maintenance, although not significantly so.

Alternative actuated valve system

An alternative actuated valve system that uses a butterfly system rather than a plug valve still meets the operational performance standard but may double the valve replacement frequency (i.e. every 10 years as opposed to every 20 years). However, this is largely dependent on the frequency of use.

Using these valves allows easy replacement with a larger plug valving system in the future if deemed necessary, for example at year 10. The result of specifying these valves is that they require less effort to open and close resulting in saving in operational costs.

These valves are widely used in the water and rural sector in Wairarapa resulting in less risk should there be supply interruptions in the future when replacement is required.

Moving and redesign of control building

The control building will be moved and redesigned as a building more appropriate for a rural environment rather than urban.

Moving the pump station

Cost savings have been reached simply by moving the chamber away from engineered fill onto the undisturbed ground, reducing the amount of structural reinforced concrete. Increasing the earthworks, drainage, and using locally sourced aggregates have positive savings.

Moving the transformer

As well as moving the control building and pump station, the transformer will be moved west to avoid stage 2 works. Relocating all of these will all result in an increase in the length of outfall pipeline and pond outlet pipework by 50m. The benefits are that the structures are not built on engineered fill, reducing the risk of settlement, which is an improved long-term outcome, but half the savings made to the reduced building specification somewhat cancels out this cost increase.

Adjusting completion date

Adjusting the completion date from April 2021 to April 2022 effectively shares the delay risks evenly and in doing so reduces penalty costs, risk of late delivery of

materials/products by suppliers that have a greater reliance on overseas delivery, but still ensures that consent conditions are met.

Reducing retentions and/or bond amount

Adapting to the new contracting environment, the requirement for the retentions and/or bonds in lieu of retentions will be reduced to a 2% of the contract price as these can be additional costs to O&S. This transfers more risk to the Council as it reduces the penalty by 35% for non-completion of works.

Contingency

The tender documents asked for a 10% contingency provision. This reflected the uncertainties inherent in the design at the time the documents were put together. Having now worked through details with O&S it is recommended the contingency be reduced to 2%, based on fact there is better understanding of the detailed requirements.

5. GOVERNANCE GROUP CONSIDERATIONS

The changes to the tender provisions have been discussed with the WWTP Governance Group. The Group endorsed the recommendations.

6. OPTIONS

The Council has three options: award the contract as negotiated; request officers to continue working with O&S to find more savings; or go back out to the market.

Going back out to the market is unlikely to result in a better cost outcome, and risks the relationship now established with O&S. Given the amount of infrastructure works currently being planned in the region through the COVID-19 stimulus packages it is likely that any new tenders will be higher than those received through this current process. This option is not recommended.

Continuing to negotiate with O&S could give rise to more savings, but that will come with increased risks. More risks could be problematic for the Council in terms of financial blow-outs, higher long-term maintenance costs and potential breaches of consent conditions. This is not a recommended option.

It is recommended the Council approves the contract with O&S with the savings negotiated.

7. NEXT STEPS

If the Council agrees to the contract and the additional \$350,000 unbudgeted capital expenditure a contract will be entered into with O&S.

8. CONSIDERATIONS

8.1 Climate change

Consideration has been given to reducing carbon-related products. Some carbon saving has been achieved, primarily with the change to the use of the polyvinyl chloride pipe.

8.2 Tāngata whenua

There are no issues of specific relevance to Maori with the decision to award the contact.

8.3 Financial impact

The revised contract results in a budget deficit of \$350,000. If approved this will be borrowed as part of the wider project borrowings.

8.4 Community Engagement requirements

No community engagement required. This contract implements stage 3 of the upgrade project, which was the subject of various community engagements.

8.5 Risks

The risks are outlined in the body of the report.

9. RECOMMENDATION

The Tenders Committee recommends that the Council:

1. **Receives** the report.
2. **Notes** the Wastewater Treatment Plant Stage Three Tenders Committee consideration of the tenders.
3. **Agrees** to award the contract for the WWTP Stage Three works to Ordish and Stevens for a contract price up to \$3,250,000.
4. **Approves** \$350,000 of unbudgeted capital expenditure for the WWTP Stage Three works.

File Number: 118143

Author: Jane Davis, Chief Executive

Attachments: Nil



TE KAUNIHERA-Ā-ROHE O TARATAHI
CARTERTON
DISTRICT COUNCIL

AGENDA

Infrastructure and Services Committee Meeting

Date: Wednesday, 9 September 2020 **Time:**
8.30am

Location: Carterton Events Centre
50 Holloway Street
Carterton

Chair R Keys

Deputy Chair B Deller

Mayor G Lang

Cr R Cherry-Campbell

Cr S Cretney

Cr R Stockley

Iwi Representative R Smith



5.7 CARTERTON WASTEWATER TREATMENT PLANT UPGRADE PROJECT

1. PURPOSE

The purpose of this paper is to advise the Committee of progress with the Wastewater Treatment Plant 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. STORAGE RESEVOIRS CONSTRUCTION

Below (Figure 1) is an aerial photo of the situation on the 18 August during a period of favourable earthmoving conditions. The photo shows that the southern dam wall is near completion with approximately 500m³ remaining to complete reservoir 1.



Figure 1: Southern Dam Wall near completion

Since the 3 June, the construction team continues to work getting the new reservoirs ready for the lining to be installed (Figure 2). One of the challenges has been achieving a high-quality surface for the conductive liner to be laid on. The lining team is now established, are working with CHB to achieve the necessary surface properties for the receiving surface.

As the liner will be laid in late winter, this poses greater delay risks due to possible inclement weather conditions, specifically wind.



Figure 2: Preparing Floor ready for Liner

4. EPHEREMAL CHANNEL RELOCATION WORKS

All that remains is to complete the contouring and top soiling to the 20Ha area. The replacement channel is now approximately 55% completed with a further 5% of suitable fill (Figure 3) being excavated and placed in the southern walls during the first 2 weeks of August.



Figure 3: New Ephemeral channel excavation works

5. STAGE 3 – PIPELINES AND PUMPS

The tender was awarded on the 13 August to Ordish and Stevens (O&S), a local Wairarapa business who commenced establishing on-site at the time of writing this report (Figure 4). Unfortunately, the commencement of this stage won't coincide with the full completion of the reservoir construction. However, both O&S and CHB contractors are committed to working towards achieving the Councils' outcomes.



Figure 4: Contractors Working Areas

6. WETLAND ALTERATION

Below is a photo that was taken recently of the developing wetlands (figure 5).



Figure 5: Developing Wetlands

7. COMMUNITY ENGAGEMENT

The Wastewater Advisory Group was convened on-site on 21 July 2020 to update them on progress. As required by our consent conditions the group comprises of the following invited representatives:

- a) Rangitane o Wairarapa
- b) Ngati Kahungunu ki Wairarapa
- c) Wairarapa Public Health
- d) Sustainable Wairarapa
- e) Mangatārere Restoration Society

f) GWRC

g) The Consent Holder.

8. CONSIDERATIONS

8.1 Climate change

As part of Stage 3, tender negotiations efficiencies resulted in the reduction of embodied carbon for both the supply and installation of materials.

8.2 Tāngata whenua

Representatives of Kahungunu and Rangitane Iwi are on the project's advisory group. No further engagement with tāngata whenua is required at this time.

8.3 Financial impact

All financial reporting is to the Wastewater Treatment Plant Upgrade Governance Group and is within approved budget.

8.4 Community Engagement requirements

Opportunity for the council to engage with the local community at site open days.

8.5 Risks

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

9. RECOMMENDATION

That the Committee:

1. **Receives** the report.

File Number: 120113

Author: Matt Chapman, Projects and Contracts officer

Attachments: Nil



TE KAUNIHERA-Ā-ROHE O TARATAHI
CARTERTON
DISTRICT COUNCIL

AGENDA

Ordinary Council Meeting

Date: Wednesday, 28 October 2020 **Time:**
1.00pm

Location: Hurunui o Rangi Marae
Gladstone Road
Gladstone

Mayor G Lang

Deputy Mayor R Vergunst

Cr S Bertram

Cr R Cherry-Campbell

Cr S Cretney

Cr B Deller

Cr J Greathead

Cr R Keys

Cr R Stockley

Iwi Representative T Reiri

Iwi Representative M Namana

provide advice and guidance on dog behaviour to owners to prevent issues developing.

The registrations pay 80% of the costs of running the animal control service within the District and the remaining 20% is out of general rates. As of mid-October, 98.9% of our District's 2,744 dogs are registered and phone calls have provided a good response with those that have lagged in their registration payments. Only eight owners have been issued with an infringement notice due to late registrations.

Activity	
Dog Barking reports	10
Animal control Miscellaneous	6
Dog Attack (on animal)	1
Dog Roaming reports	15
Stock on road incidents	6
Dog Found	9
Dog lost reports	2
Dog Biting	2
Dog Rushing	5
Total	56

Six dogs have been impounded over the previous two months with five of those subsequently returned to their owners. The remainder has been re-homed through the SPCA.

3.5 WASTEWATER TREATMENT PLANT UPGRADE PROJECT Storage Reservoirs Construction

Below is an aerial photo of the lining progress on the 14th of October. The photo shows an overall of the ponds and a more detailed view of the 3rd pond which is 50% lined and should favourable conditions persist then this pond could be completed by the end of the following week. A month of un-favourable windy conditions has been challenging and significantly hindered lining progress.

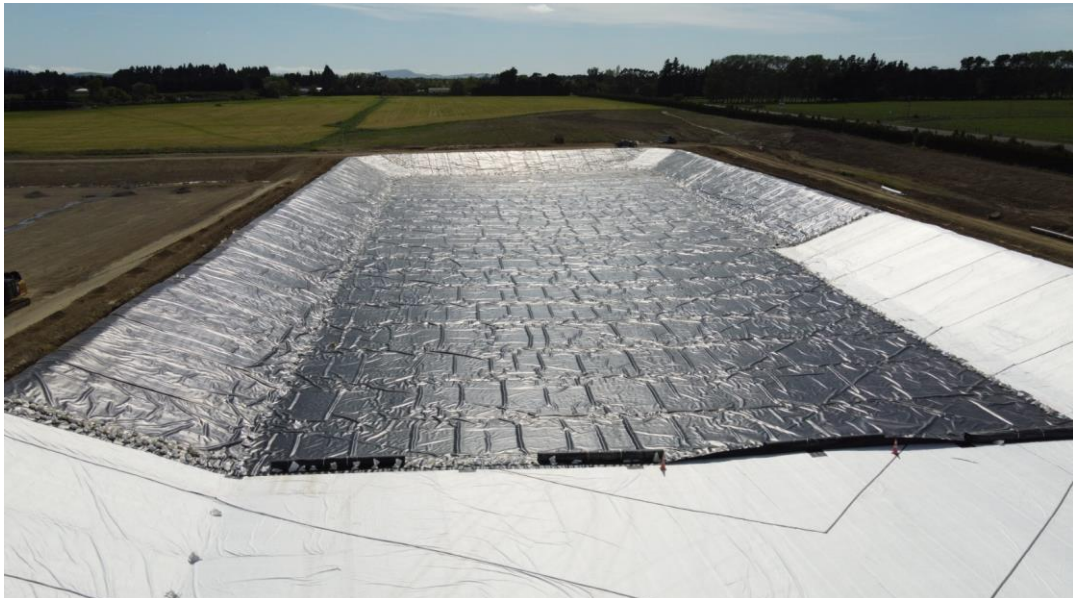


Figure 1: Overview of lining and closer view of pond 3 with 50% lining completion

One of the challenges had been achieving a high quality surface for the conductive liner to be laid on the Lining team now have employed a lime spreader that can provide 6mm of lime chip as a cover suitable at less expense than the original methodology of using silt.



Monday 5th October 20 – Pond 3 lime spreading

Concrete work on the walls and base that surround the outlet/inlet pipes is also progressing with the concrete work below in pond 3 and due for completion prior to the lining.



Wetland development

The additional 600m of channelling in the wetland had previously been completed and the picture below is indicative of the developing 'greening up' of the wetland transforming the bare channels into potential habitat for mudfish.



TE KAUNIHERA-Ā-ROHE O TARATAHI
CARTERTON
DISTRICT COUNCIL

AGENDA

Infrastructure and Services Committee Meeting

Date: Wednesday, 11 November 2020 **Time:**
8.30am

Location: Carterton Events Centre
50 Holloway Street
Carterton

Chair R Keys

Cr R Stockley

Deputy Chair B Deller

Cr R Cherry-Campbell

Mayor G Lang

Iwi Representative R Smith

Cr S Cretney



6.4 CARTERTON WASTEWATER TREATMENT PLANT UPGRADE PROJECT

1. PURPOSE

For the Committee to be advised of progress with the Wastewater Treatment Plant 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. STORAGE RESERVOIRS CONSTRUCTION

Below (Figure 1) is an aerial photo of the situation on the 4 October after a period of wet weather. The photo shows that pond three is near completion. Once the lining has been completed the walls will be topped up by 300mm.



Figure 1: Pond 3 near completion

The construction team continues to work getting the new reservoirs receiving surface ready for the lining to be installed (Figure 2). A challenge for the Viking lining team has been working when the wind is between 17-20 kph, significantly reducing productivity and limiting some days to half days. Below shows a photo (Figure 2) of the new liner during the day on 14 October 2020.

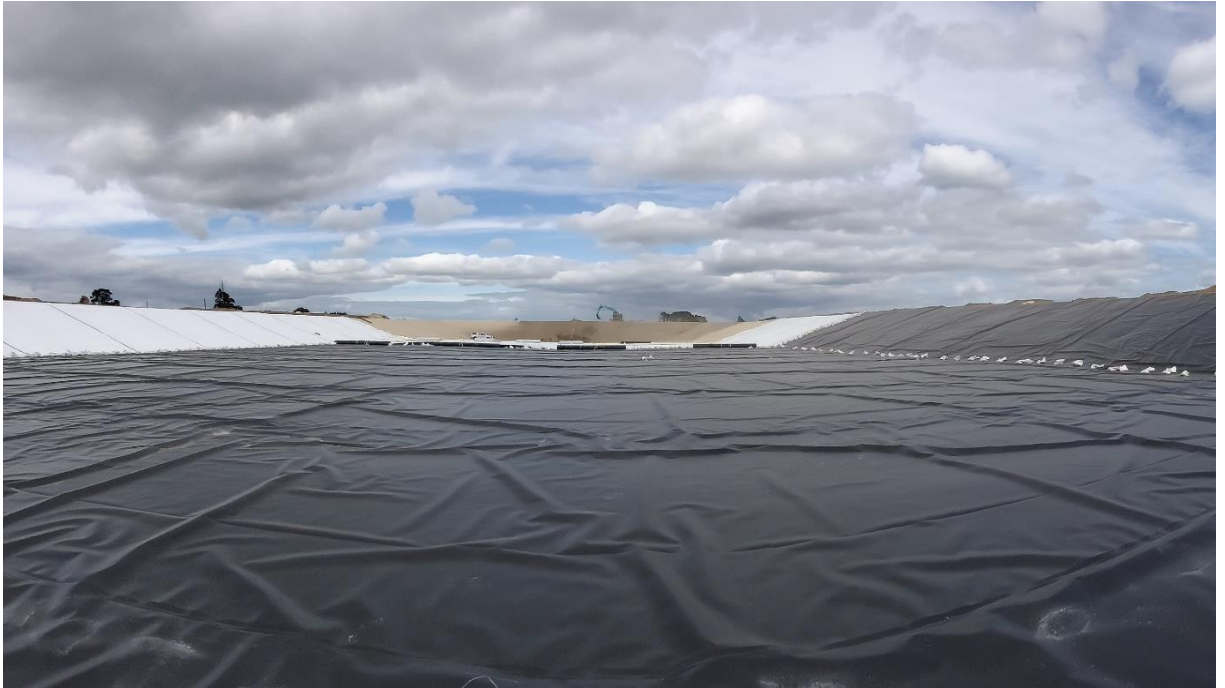


Figure 2: Liner installed pond 3

4. EPHEREMAL CHANNEL RELOCATION WORKS

The replacement channel is now approximately 75% completed. All that remains is to complete the contouring to the 20Ha area. Figure 3 & 4 show the new ephemeral channel and Area's to be levelled



Figure 3: New Ephemeral channel excavation works and areas to be leveled



Figure 4: New Ephemeral channel excavation works and areas to be leveled

5. STAGE 3 – PIPELINES AND PUMPS

Ordish and Stevens (O&S) have completed the first phase of stage three installing the pressure mains pipework and started on the electrical cabling to the new ponds and pivot (Figure 5). The continuation of this stage won't coincide with the full completion of the reservoir construction however the risk of delay due to this is low. The commencement of the outfall pipeline has been planned before the Christmas break.



Figure 5: Pipelines to Ponds and Pivot

WETLAND ALTERATION

Below is a photo that was taken recently (16 October) of the developing wetlands (figure 6). Alton at Greater Wellington Regional Council conducts regular visits.

There is an opportunity for a voluntary group to carry out sweet grass planting in the new channels under Altons guidance.



Figure 6: Developing Wetlands

6. CONSIDERATIONS

6.1 Climate change

N/A

6.2 Tāngata Whenua

Met with the Taratahi 391C1B Trustees/Ngātuere whanau.

6.3 Financial impact

N/A

6.4 Community Engagement requirements

Opportunity for the council to engage with the local community at site open days.

6.5 Risks

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

7. RECOMMENDATION

That the Committee:

1. **Receives** the report.

File Number: 121470

Author: Matt Chapman, Projects and Contracts officer

Attachments: Nil



AGENDA

Ordinary Council Meeting

Date: Wednesday, 9 December 2020 **Time:**
1.00pm

Location: Carterton Events Centre
50 Holloway Street
Carterton

Mayor G Lang

Deputy Mayor R Vergunst

Cr S Bertram

Cr R Cherry-Campbell

Cr S Cretney

Cr R Stockley

Cr B Deller

Cr J Greathead

Cr R Keys

Iwi Representative M Namana

During the report period there has been one dog found roaming and impounded and was subsequently successfully returned to the owner following the issue of an infringement notice for failing to keep a dog controlled or confined and failing to register.

Activity	
Dog Barking reports	5
Animal control Miscellaneous	4
Dog Roaming reports	11
Stock on road incidents	1
Dog Rushing incidents	1
Dog Found	2
Dog lost reports	3
Total	27

3.4 WASTEWATER TREATMENT PLANT UPGRADE PROJECT Storage Reservoirs Construction

Construction has pushed through spring and work crews continued to prepare the ponds ready for lining in pond 3 (Figure 1). Recent wet weather and strong winds have hampered full completion. The liner receiving surface preparation (Figure 2) has been a challenge, however the project team developed an innovative solution sourcing a local product and supplier. Delays mean that the remaining bulk earthworks and top soiling could not be completed until the liner has been installed in each pond.



Figure 1 – 23 Nov 20 - Pond 3 has 80% of the liner completed



Figure 2— Liner receiving surface preparation

Stage 3 Works – Pumps and Pipework

The tender was awarded to Ordish and Stevens (O&S), a local Wairarapa business who commenced work immediately. Within the previous 2 months, O&S have completed 80% of all the pipe work to and from the new reservoirs.



Figure 3— Pipes being laid from pond outlets to pivots.

Ephemeral channel relocation

Ninety percent of the replacement channel has now been completed (Figure 4). All that remains is levelling works under the proposed pivot second.



Figure 4 – 23 Nov, Ephemeral channel replacement