



Meeting Minutes – Wastewater Treatment Plants Reference Group #5

Project	Wastewater Treatment Plant Upgrades	From	Darren de Klerk
Subject	Community Reference Group Meeting #5		
Venue/Date/Time	CHBDC Council Offices (Council Chambers) / 05/02/2019 / (830am start)		
Present	Cr Ian Sharp (CHBDC Councillor) Cr David Tennent (CHBDC Councillor) Clint Deckard (Community) Michael Severinsen (Community) Tania Diack (HBRC) Malcolm Miller (HBRC) Etu (Grey Power and Community) Marge Hape (Tai Whenua)	Josh Lloyd (CHBDC) Karen Bothwell (CHBDC) Shane Kingston (CHBDC) Darren de Klerk (CHBDC) John Crawford (BECA) Sarah Burgess (BECA) Hamish Lowe (LEI) Katie Beecroft (LEI)	
Apologies	Haana Wilcox (Community) JB Smith	Simon White Ricky Carnie	

Time	Topic	Presenter/ Facilitator
830-930am	New member briefing (New members only)	Darren/ Hamish
930-945am	Introduction of new members	All
945-1000am	Sharing Opportunity (What I have learnt, and plan to contribute)	
1000-1010am	Recap – Solution Reminder/ BPO5 Alignment	Darren de Klerk
1010-1030am	Survey Results Presentation	Darren de Klerk
1030-1045am	Wastewater Strategy	Darren/ Hamish
1045-1100am	Morning Tea	
1100-1130am	Land Use Discussion	Hamish Lowe and John Crawford
1130-1230	Combining and Staging	
	Criteria v Option	
1230-Finish	Light Lunch and Finish	



Minutes	
Subject	Action
<p>New member briefing;</p> <ul style="list-style-type: none">• Etu (Grey Power)• Marge Hape (Tai Whenua) <ul style="list-style-type: none">• Discussed values -> cultural, environmental, social, financial• 101 on wastewater background• Project background• Wastewater strategy	<p>Note</p>
<p>Introductions</p> <p>New members were introduced.</p>	<p>Note</p>
<p>Sharing Opportunity (What I have learnt, and plan to contribute)</p> <ul style="list-style-type: none">• Clint Deckard<ul style="list-style-type: none">○ Focus on river and water quality○ Has learnt a lot from the process to date○ The reference Group has developed as a comfortable forum to discuss and debate.• Cr Ian Sharp<ul style="list-style-type: none">○ Mauri of river recreational user ("played in it")○ Time now to go through the options<ul style="list-style-type: none">▪ Of earlier process – Quality of information, availability of experts, thinks Central Government should be contributing○ Group is very important○ Time has come to see what do the engineered solutions look like.<ul style="list-style-type: none">▪ Long term solution "for the grandkids"○ Should be there now○ Alternative funding• Malcolm Miller (HBRC)<ul style="list-style-type: none">○ Importance of meeting Plan provisions, especially Tukituki Plan○ Problematic consents in the past – history of issues with compliance○ Do better led by CHBDC○ Keen for success with this process○ Interested in treatment processes○ Can't stop wastewater• Cr David Tennent<ul style="list-style-type: none">○ Attack with some urgency○ Uncomfortable with semi-treated wastewater discharged to the river○ 17 years of history with wastewater planning○ Frustrated with lack of progress○ Wants to leave Council with a plan in place for the next 100 years○ Need to consider affordability• Tania Diack (HBRC)<ul style="list-style-type: none">○ Learning a lot from this process○ Pleased to be involved at this pre-lodgement stage	<p>Note</p>



Minutes

- Developing relationship with CHBDC staff useful
- Etu
 - New to process and topic
 - Will report back to group to help with deciding what their views are
 - Wider group wants to be involved
- Marge Hape (TaiWhenua)
 - Usually receives and reviews information that comes to the Tai Whenua Board, and lets the Board know a view is needed.
 - Wants simple information
- Michael Severinsen
 - Surprised how slowly the process goes
 - Keen to learn lots about wastewater – is self researched
 - Wants to contribute to the long term sustainability of CHB
 - From being about in the world, can see that there are problems that need to be dealt with
 - Wants to see options that can deal with future changes, including natural and climate events
 - Wants "resilient" solution
- Hamish – What information is missing?
- Michael
 - Wants more technological solutions, must be well-proven technology, can't be the ground for novel technologies
 - Turn wastewater into an asset
 - Use it in a beneficial way
 - Eg recreate a wetland habitat (50 ha – 100 ha)

Recap – Solution Reminder/ BPOS Alignment

What we know and what we have learnt

What I know

- What is in wastewater
- River discharge
- Land discharge
- How do we balance other views
- What is the process to select an option

What don't I know and want to know

How do we make sure what we are doing is what the community wants





Minutes

What are we trying to determine

Are we looking for an option?

Are we looking for a solution that has options?

How do we balance what we want with what the community wants?

How do we balance affordability?



Note

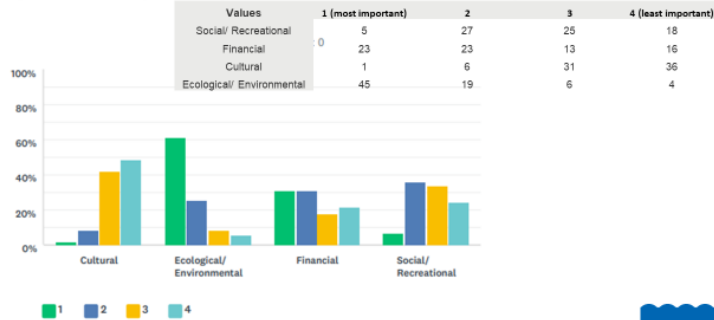
- Hamish
 - BPO – what do we need to get to by June? Court requires wastewater treatment solution options vs solution
 - What does solution look like?
 - What is the time to implement?
 - What will it cost?
 - How will it be funded
 - Rates (worst)
 - Central government (different fund options)
 - PPP
 - Solution – broader idea i.e. land
 - Option – solution could have several options
 - Progressing in the background
 - Experts tasked with doing some background
 - No predetermination but starting to fill out some information like how much land, what cost.
 - Need feedback about where land could be
 - Going to present costs – very high level.
- Ian
 - Wants detail
 - Wants to know what treatment plant
- John
 - End discharge dictates treatment needs
 - Determine end discharge then the treatment requirements can quickly be determined
- Hamish
 - Inclusion of Waipukurau and Otane adds complexity
 - Combined system if to river, but not necessarily if land treatment options (may be separate)
 - Alignment with vision



Minutes

Survey results

Q1 We have highlighted four underpinning values that help us understand what we may value as important, please rank them in order of importance



Survey results

Q11 Please tell us if there is anything else that is important to you when considering the future of our wastewater treatment plants?

smell treatment plants USE clean work waste needs Plan water future
 cost looking rivers time wastewater system recycling please
 make property plant

Note

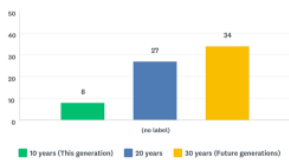
Q19 Please tell us your preference on where wastewater effluent should go and what should happen to it?

etc long Forestry think wastewater food trees areas irrigation
 reused treated crop used farms rivers planted land
 forest water property idea human

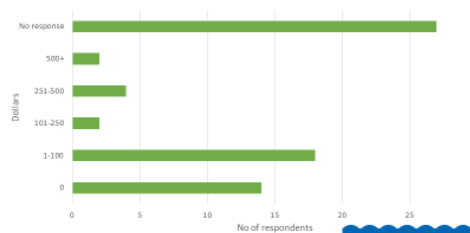


Survey results - Affordability

Q22 Considering the payback period on a loan, should council be looking to have this investment paid back by this generation or over a longer term and by future generations?



Q21 - Considering affordability, how much would you be prepared to pay annually via a rates increase?





Minutes

- Darren
 - Good response of 76
 - Good representation of age/demographics
 - Good representation of 3 towns
 - Key Issues:
 - Environmental/ecological
 - Financial
 - Cultural/Social
 - Views similar to this group – gives confidence that the group is a good representation of community views.
 - Key word slides
 - Survey affordability
 - Annual rates increase around \$100
 - Lots of people made no response to this question
 - Most wanted a >30 year repayment period.
- Hamish
 - Consider what is important
- Ian
 - Should wastewater charge be extended to users that don't currently have to pay targeted rates i.e. rural, onsite systems?
 - Currently same targeted rate for all connected households in district i.e A person in Waipukurau pays the same as someone in Porongahau.

Wastewater Strategy

Wastewater Strategy

- What's a strategy?
- How does it differ from what we have done?
- What is its benefit?



Note

- Hamish
 - Strategy discussion
 - Clear message at Tai Whenua meeting and similar as this group – stand back and take a wider view
 - Benefit of district-wide strategy



Minutes

- Enables a clear vision to be produced now which can show direction in future.

- Ian
 - Hawkes Bay wide strategy underway
 - Doesn't want work done that may be overwritten

Land Use

- Hamish
 - Discuss different land use benefits and constraints
 - How does wetland fit in?
 - How acceptable are food-chain crops receiving wastewater irrigation?
- Josh
 - Need to start including whether there is a market for the end product in option assessment.
- Darren
 - How much risk do CHB want to be?
 - How innovative can they afford to be?
- David
 - Why does grass need to be harvested/removed?
- Hamish
 - Described the need to remove nutrients
- Clint
 - Harvested not grazed
- Marge
 - Forestry – none of the others
 - Soakage
- Stu
 - Forestry
- Michael
 - High level and then any and all options
 - Feels like need to know actual costs to draw a line in the sand
- David
 - Grazed pasture with sub-surface irrigation. Amenity, no foodchain
- Ian
 - Grazed pasture, harvested pasture with a PPP/third party, due to nutrient removal.
 - No food chain.
 - Forestry doesn't take enough
 - Favours third party ownership to avoid changing land management trends
- John
 - Cheaper to transmit treated effluent than raw sewage
- Ian
 - Combinations should be considered for suitable options
- Michael

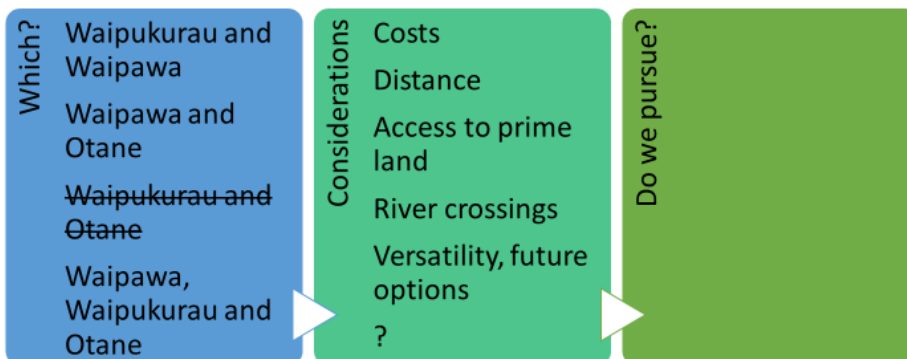
Note



Minutes

- Is Otane going to be a satellite of Hastings? Consider Otane separately? Or should Waipawa Wastewater go to Otane due to better land around Otane?
- Connect all three townships?
- Move only part of Waipukurau flows – increases capacity for existing plant to receive flows from new connections.
- David
 - Should we be considering adding capacity to take some/all of other towns, e.g. Takapau?
 - Compared with Kinloch
- John
 - Described the technology at Kinloch, i.e. high tech with continuous sludge going to Taupo and liquid going to sub-surface land (Golf-course).
- Michael
 - Leachate from landfill going to Waipukurau
- Darren
 - Plan to apply to landfill cap.
- Malcolm
 - Need to consider whole catchment nutrient balance. Maybe consider Papanui catchment is quite vulnerable.
- Ian
 - Need to produce solution which will show BRC that CHBDC is not sitting on its hands.
- John
 - Need master-planning to steer the staging. More important than locking in the option
- Ian
 - \$780 targeted wastewater rate

Combined solutions





Minutes

Morning tea break

Annual Rate increase

Affordability (around the room)

- \$250
- \$75
- \$107 One-off (Rural user \$25k cost to install onsite system)
- \$150
- \$200 (unconnected user)
- \$200 connected

Average : \$155.00

Range: \$75.00-250.00

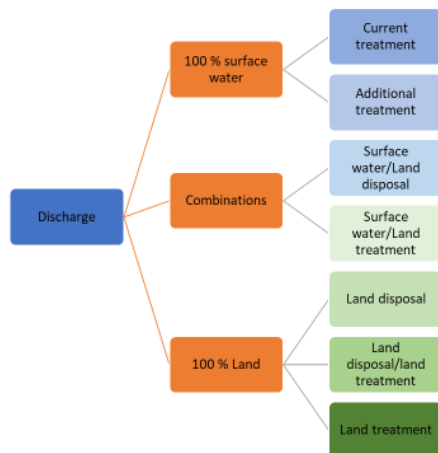
\$200 UAC charge to non-connected one off =\$700k?

- Clint
 - Alternative funding should include income generated from wastewater use
- Ian
 - The only way UAC (unconnected) would fly is if 100% out of the river
- John, Hamish, Darren
 - \$170 for \$10M – residential connections only
 - Tradewaste loads have not been included, i.e. additional funds from this source
 - Darren looking at finding models

Note

Concept solutions

What are our discharge options-concepts?



What's missing?





Minutes

What do these systems look like - relative?

		Additional treat	Storage (m³)	Reticulation (km)	River discharge	Land area (ha)	Cost (\$M, rates impact)
100 % River	Current treatment	None	0	0	Yes	0	2 – 4 (\$34 – 68)
	Additional treatment	A	0	0	Yes	0	24 – 29 (\$408 – 492)
Combination	Surface water/Land disposal	C	0	2.5 - 10	Partial/No	10	12 – 20 (\$196 – 332)
	Surface water/ Land treatment	C	95,000	2.5 – 10	Partial/No	180	15 – 35 (\$258 – 601)
100 % land	Land disposal	C	95,000	2.5 - 10	Indirect	20	14 – 24 (\$232 – 398)
	Land disposal/Land treatment	B	0	2.5 - 10	Indirect/No	200	23 – 45 (\$384 – 763)
	Land treatment	B	400,000	2.5 - 10	No	610	33 – 85 (\$565 – 1,453)

Information including costs is indicative and for relative purposes only

- Hamish goes through concept slides
- John explains treatment level options
- Ian
 - Likes land disposal and high level of treatment

Discussion around the concept tables with costs etc.

- Clarify that the system upgrade can be "bolted on" later

Concept Solution

Can we pick winners – which can we drop

Can we narrow **concepts** to start looking at **solutions**

What are the options based on?

- Combinations
- Staging
- Discharge method
- Location
- Affordability



- Can we pick winners?

Still remove 100% to river x2 options

- Ian
 - Wants to see land disposal + B treatment described =21-32

If go to 100% land treatment then need to not buy the land. i.e. ditch 100% LT with purchase



Minutes


- Ian
 - Land disposal
 - Land disposal/land treatment
- Clint
 - Surface water/LT with plan to remove over 10-15 years

Ultimately no water discharge; Treatment level B
- Josh
 - Has concerns about the ability to rely that future planning for more to land will result in land being available/affordable etc.
 - i.e. go all the way to land
- Ian
 - Use land disposal as risk management

Criteria

Criteria – populating criteria matrix

- Takes time and technical knowledge
- Need to score colours
- Do it now or get us to do?
- All concepts or are there winners?



- Articulated between meetings and agreement reached so can populate to show preferred option next meeting
- Key outcomes
 - 5 concepts for further evaluation (3 favoured)
 - Circulate and agree on criteria
- Identify favoured areas (soil type, local knowledge)

Develop and circulate criteria

Identify five concepts

Next meeting

- 12 March 2019
- Preferred option will be agreed

Meeting closed at 12:00pm