

# Meeting Notes: Kaitāia WWTP consent renewal

Tuesday 7th November 2023 – Te Ahu / MS Teams – 1:30 – 4:00

## Attendees:

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### Attendance:

Simone Tongatule, Louise Wilson – FNDC  
Louise Mischewski – Te Rūnanga o Te Rarawa  
Roz Popata, Hone Popata – Ngai Tohianga / Oturu Marae (left 3:30pm)  
Tui Bedgood – Te Uri o Hina / Te Uri o Hina marae  
Waikarere Gregory – Ngāti te Ao / Te Rarawa marae via MS Teams  
Troy Brockbank – PDP

### Apologies:

Simon Greening – PDP  
Malcom Robson – Ngāti te Ao / Te Rarawa marae

## Pre-hui

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The premise of the hui was to discuss the following items put forward by Troy Brockbank in meeting invite to all attendees:

- Update on all projects re: Kaitāia WWTP
- Present revised consent conditions (to be sent prior to hui) and receive feedback
- Wānanga between Tangata Whenua & FNDC further on the detail of how Far North Waters Alliance can best give effect to the NOF.
- Presentation of current compliance data sent to NRC
- General Business and additional items as requested by the tangata whenua engagement roopū
- Site visit to Kaitāia WWTP

Two emails (attachment A & B) were sent to tangata whenua on 7<sup>th</sup> September 2023 and 27<sup>th</sup> October 2023 to provide an update on progress since our last hui together. This included revised consent conditions as of 26<sup>th</sup> October 2023.

## Notes:

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Hui commenced at 1:30pm with Karakia and Mihi from Hone Popata, followed by whakawhanaungatanga and introductions from those in attendance.

### Update on project

- FNDC provided an update on the Kaitāia WWTP projects and other water related projects in Kaitāia. This included a brief kōrero on the next steps for the Kaitāia WWTP: FNDC propose to complete consent renewal for the existing WWTP and upgrade it to meet new compliance limits .
- Relocating the WWTP, and/or investigate alternative discharge methods is to be part a BPO assessment at a later stage. This is envisaged to commence after granting of new consent.
- FNDC provided Tangata Whenua an update regarding the recent abatement notices on the wastewater network and pipe on Pukepoto Rd.
- Louise Wilson provided an update on the WWTP site and compliance data sent to NRC.

### **Draft Consent Conditions**

PDP presented the revised draft conditions (as at 26<sup>th</sup> October 2023) (appendix C) as sent in email to Tangata Whenua on 27<sup>th</sup> October 2023. Each condition was stepped through and attendees provided feedback. Below are some of the key items discussed;

- Tangata Whenua requested all records required within the consent condition to also be made available to tangata whenua via the Kaitiaki Forum. FNDC agreed to alter conditions.
- Tangata whenua requested that they are involved via the Kaitiaki Forum in the decision making process for the proposed upgrade works under this consent. FNDC agreed to alter conditions.
- Tangata whenua requested that the upgrade works explore innovative technologies, an example of the electrocoagulation pilot at Taipā WWTP was provided, as well as reuse and repurposing technologies, an example of Taupo and New Plymouth biosolid compost reuse was provided. FNDC agreed, and this can be explored at the time of evaluating upgrade options.
- Tangata Whenua raised concerns with climate change and flooding around the WWTP. FNDC advised that work had previously been done to assess the site for flooding risk, and no changes proposed.
- Tangata Whenua requested that a Best Practicable Option investigation be undertaken during the consent to assess the options for discharging treated wastewater from the Kaitāia-WWTP. The investigation must include a recommendation as to what the BPO is for long-term discharge of wastewater from the Kaitāia-WWTP. The assessment must include the option of discharging the treated wastewater to land, and must be undertaken by a SQEP and be prepared in collaboration with Tangata Whenua via the Kaitiaki Forum.
- FNDC provided an update on liaison with invitees for the kaitiaki Forum (Te Rūnanga Nui o Te Aupōuri, Te Rūnanga o Ngāi Takoto, Ngāti Kahu, Te Paatu);
  - Te Rūnanga Nui o Te Aupōuri & Ngai Takoto have not responded to correspondence. Tangata Whenua requested they remain in condition to be invited.
  - Te Paatu (via Te Paatu Marae Chair Robert Gabel) have confirmed interest in being invited to the KF. Tangata Whenua agreed.
  - Te Rūnanga-a-iwi o Ngāti Kahu (via CE Bardia Matiu) have referred this invite to Patu Kōraha (as hapū mana whenua in Rangaunu and Whangatane). FNDC enquired about removing Te Rūnanga-a-iwi o Ngāti Kahu and replacing with Patu Kōraha. Tangata Whenua agreed.

- An update was provided on the EEF.
- A discussion was held about the how Far North Waters Alliance can best give effect to the NOF. Tangata Whenua requested that the consent conditions be altered to better give effect to the NOF. FNDC agreed to alter the consent conditions in next revision and provide to Tangata Whenua for acceptance..

**Site Visit**

FNDC is exploring hosting a site visit to the WWTP with Tangata Whenua. Dates will be circulated for availability.

**Invoices**

FNDC advised tangata whenua to submit their invoices for the engagement work to date. PO have been setup for all parties.

## Actions

Date Started	Action	Status	Comments
4/11/2022	Discuss invitation to KF with Te Rūnanga Nui o Te Aupōuri, Te Rūnanga o Ngāi Takoto, Ngāti Kahu, Te Paatu	<b>DONE</b>	<p>Completed in this hui</p> <p>Te Rūnanga Nui o Te Aupōuri &amp; Ngai Takoto have not responded to correspondence. Tangata Whenua requested they remain in condition to be invited.</p> <p>Te Paatu (via Te Paatu Marae Chair Robert Gabel) have confirmed interest in being invited to the KF. Tangata Whenua agreed.</p> <p>Te Rūnanga-a-iwi o Ngāti Kahu (via CE Bardia Matiu) have referred this invite to Patu Kōraha (as hapū mana whenua in Rangaunu and Whangatane). FNDC enquired about removing Te Rūnanga-a-iwi o Ngāti Kahu and replacing with Patu Kōraha. Tangata Whenua agreed.</p>
13/04/2023	Provide project update to Tangata Whenua	<b>DONE</b>	Completed in this Hui
31/05/2023	Request from Louise Mischewski via email:  Site Visit to Kaitāia WWTP	<b>Ongoing</b>	<p>We have been in contact with the WWTP operator.</p> <p>FNDC are proposing a site visit in December 2023.</p>
17/07/2023	Request from Oturu Marae via email:  Provided table to give effect to the NOF	<b>DONE</b>	Completed in this hui
7/09/2023	Request from Te Paatu Marae / Te Paatu Hapū to attend remaining Tangata Whenua engagement.	<b>Done</b>	<p>Completed in this hui.</p> <p>Not needed as engagement completed. Will pick up in Kaitiaki Forum</p>
7/09/2023	Invitation to Patu Kōraha Hapū to join Kaitiaki Forum	<b>Done</b>	<p>Completed in this hui.</p> <p>Will pick up in Kaitiaki Forum</p>

<b>22/12/2023</b>	Revise Consent Conditions	<b>Ongoing</b>	To reflect hui discussion.
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## Next meeting topics

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- Discuss revised consent conditions
- Update on project
- Site Visit

Hui closed at 4:00pm with Karakia from Troy Brockbank

## Appendix A: Update email to Tangata Whenua sent 7<sup>th</sup> September 2023 (prior to hui)

**From:** Troy Brockbank  
**Sent:** Thursday, September 7, 2023 10:36 AM  
**To:** Louise Mischewski <[louise@terarawa.co.nz](mailto:louise@terarawa.co.nz)>; Waikarere Gregory (Hotmail) <[tuituiart@hotmail.com](mailto:tuituiart@hotmail.com)>; [malcolmrobson01@gmail.com](mailto:malcolmrobson01@gmail.com); [malcolm.robson@northlanddhd.org.nz](mailto:malcolm.robson@northlanddhd.org.nz); Oturu Marae <[oturumarae@gmail.com](mailto:oturumarae@gmail.com)>; [tuihedggood@gmail.com](mailto:tuihedggood@gmail.com)  
**Cc:** Simon Greening <[Simon.Greening@pdp.co.nz](mailto:Simon.Greening@pdp.co.nz)>; Simone Tongatule <[Simone.Tongatule@fndc.govt.nz](mailto:Simone.Tongatule@fndc.govt.nz)>; Martell Letica <[Martell.Letica@fndc.govt.nz](mailto:Martell.Letica@fndc.govt.nz)>  
**Subject:** Tangata Whenua Engagement Update - Kaitiāia WWTP

Tēnā koutou e ngā hapū, e ngā iwi, e ngā kaitiaki o ngā wai o Muriwhenua

Apologies for the time taken since our last correspondence. The purpose of this email to provide an update on progress since our last hui together;

### 1. Minutes – 13<sup>th</sup> April 2023

Attached are minutes from hui held on 13<sup>th</sup> April 2023 in Kaitiāia

### 2. Update on Actions (from Minutes and post hui)

Date Started	Action	Status	Comments
4/11/2022	Discuss invitation to KF with Te Rūnanga Nui o Te Aupōuri, Te Rūnanga o Ngāi Takoto, Ngāti Kahu, Te Paatu	Ongoing	<p>A copy of the proposed consent conditions (draft wording as per April 2023), and request for interest in the invitation to the proposed KF have been sent to all the mentioned Iwi, Hapū entities.</p> <p>To date:</p> <ul style="list-style-type: none"> <li>Te Paatu Marae (via Chair Robert Gabel) have confirmed interest in being invited to the KF via the consent conditions.</li> <li>Te Rūnanga-a-iwi o Ngāti Kahu (via CE Bardia Matiu) have referred this invite to Patu Kōraha (as mana whenua in Rangaunu and Whangatane), and asked them to contact the project team if they seek to register with the Kaitiaki Forum. We have yet to receive correspondence or discuss further with Patu Kōraha.</li> </ul> <p>We will continue to liase with the following:</p>

			<ul style="list-style-type: none"> <li>• Te Runanga o Ngāi Takoto – Chair Wallace Rivers &amp; CEO Craig Wells</li> <li>• Te Rūnanga Nui o Te Aupōuri – Niki Conrad</li> </ul>
13/04/2023	Revise draft conditions based on feedback received during hui. Refer Appendix C of minutes for changes identified in hui.	Ongoing	<p>Consent conditions have been revised based on feedback received during and following hui. These reflect our discussions with regards to the EEF amounts, as well as incorporating advice on Instream Limits and Effluent Quality Requirements.</p> <p>Revised draft consent conditions are currently with FNDC undertaking review, and we are envisaging providing a copy to Tangata Whenua on review completion. We will then organise another Tangata Whenua hui to go through the revised proposed consent</p>
13/04/2023	FNDC to discuss EEF internally with decision makers, and provide outcome to Tangata Whenua	DONE	<p>“For the purposes of the collaboration on consent conditions, we can confirm that the figures presented to FNDC (ie an initial figure of \$150,000 and \$20,000 per year thereafter) are agreeable.”</p> <p>Refer attached email sent 29<sup>th</sup> June 2023</p>
13/04/2023	Provide project update to Tangata Whenua	Next Hui	This will be provided at the next hui
13/04/2023	Confirm process for consultation with Tangata Whenua entities for the KF invitation between FNDC & PDP.	DONE	See comment above re: “Discuss invitation to KF with Te Rūnanga Nui o Te Aupōuri, Te Rūnanga o Ngāi Takoto, Ngāti Kahu, Te Paatu” for progress
13/04/2023	Share water quality monitoring & compliance reports for the WWTP under the current consent with tangata Whenua	DONE	<p>Attached (excel spreadsheet) is the most recent report (July 2023) sent to NRC by FNDC in relation to Resource Consents: AUT.000932.01.03 and AUT.000932.03.02.</p> <p>FNDC are currently compiling the August 2023 report (awaiting lab results to complete), and we envisage to send this to this roopū shortly after submission to NRC.</p> <p><b>*Note*</b> Please note the outflow meter was stolen from the site a few months ago,</p>

			<p>and has also just been replaced. Unfortunately there is insufficient outflow data from recent months.</p> <p>FYI reports are typically compiled and sent to NRC in the before the 15<sup>th</sup> day of the following month. Ie August 2023 report will be sent to NRC before 15<sup>th</sup> September 2023. We are working with FNDC Compliance Advisors to also send this report to this ropu shortly after every submission to NRC.</p> <p>In the next hui, we can arrange for the FNDC compliance to present the data in more detail. <b>*Note*</b> Added to <b>item 6</b> below</p>
14/04/2023	<p>Request from Oturu Marae via Email:</p> <p><i>"We have determined that an initial figure of \$150,000 and \$20,000 per year thereafter up to 15 years suits the purpose of the intention of the fund. For this reason we recommend that these figures are inserted in the condition 38."</i></p>	DONE	<p>"For the purposes of the collaboration on consent conditions, we can confirm that the figures presented to FNDC (ie an initial figure of \$150,000 and \$20,000 per year thereafter) are agreeable."</p> <p>We have commenced with writing this amount into the proposed consent conditions. This will be included in the revised draft consent conditions to be sent to Tangata Whenua.</p> <p>We also emphasise that these figures will be part of the application packaged notified so may be subject to change but we will attempt to maintain the integrity of the purpose of the EEF throughout.</p> <p>Refer attached email sent 29<sup>th</sup> June 2023</p>
31/05/2023	<p>Request from Louise Mischewski via email:</p> <p>Site Visit to Kaitāia WWTP</p>	Ongoing	<p>We have been in contact with the WWTP operator. The project team will arrange a site visit and awaiting availability over next 3-4 weeks.</p> <p>We will send an availability poll to the Tangata Whenua roopū once we hear back.</p> <p><b>*Note*</b> Also see <b>item 3</b> below</p>



			Refer attached emails sent 31st May 2023 - 23 June 2023
17/07/2023	Request from Oturu Marae via email:  Provided table to give effect to the NOF	Next hui	Refer attached email received from Roz Popata on 17/07/2023 and response by Martell Letica on 18/07/2023.  It is proposed to wānanga between tangata Whenua & FNDC further on the detail of how Far North Waters Alliance can best give effect to the NOF as preferred.  <b>*Note*</b> Added to <b>item 6</b> below
7/09/2023	Request from Te Paatu Marae / Te Paatu Hapū to attend remaining Tangata Whenua engagement.	Prior to next hui	The project team are seeking the agreement of the Tangata Whenua engagement roopū for this request  <b>Note*</b> Also see <b>item 4</b> below
7/09/2023	Invitation to Patu Kōraha Hapū to join Kaitiaki Forum	Prior to next hui	Te Rūnanga-a-iwi o Ngāti Kahu (via CE Bardia Matiu) have referred interest in invite to the Kaitiaki Fourm to Patu Kōraha (as mana whenua in Rangaunu and Whangatane) and asked them to contact the project team if they seek to register with the Kaitiaki Forum.  The project team have yet to receive correspondence or discuss further with Patu Kōraha.  The project team are seeking feedback and direction of the Tangata Whenua to engage further with Patu Kōraha.  <b>*Note*</b> Refer <b>item 5</b> below for more detail.

### 3. Site Visit

We would like to reinvigorate your previous request for a site visit. We have been in touch with the WWTP operator and they are happy to arrange a site visit. We propose this is undertaken on the day of our next hui (date TBC). Troy will be in touch with Tangata Whenua & Operator to arrange available dates in late Sept/Oct.

### 4. Request from Te Paatu Marae / Te Paatu Hapū

Robert Gabel – Chair of Te Paatu marae has asked to join the remaining tangata whenua engagement hui on behalf of Te Paatu hapū. **\*Note\*** Te Paatu have agreed their interest to being invited to the Kaitiaki Forum under the proposed consent conditions.

Hence:

- We are seeking your acceptance to add Te Paatu, and other hapū/iwi listed in the draft consent conditions under the Kaitiaki Forum, to the ongoing tangata whenua engagement hui as they register their interest.

#### 5. Invitation to Patu Kōraha Hapū

As per noted in actions above, Te Rūnanga-a-iwi o Ngāti Kahu (via CE Bardia Matiu) have referred the interest to being invited to the Kaitiaki Forum, to Patu Kōraha (as mana whenua in Rangaunu and Whangātane). Bardia has asked the Patu Kōraha Hapū representatives to contact the project team if they seek to register with the Kaitiaki Forum.

Patu Kōraha are currently not included in the Kaitiaki Forum conditions under the current drafted consent conditions as discussed with the Tangata Whenua engagement roopū.

The project team are faced with three options:

- Add Patu Kōraha to as named Tangata Whenua under the Kaitiaki Forum condition
- Replace Te Rūnanga-a-iwi o Ngāti Kahu with Patu Kōraha under the Kaitiaki Forum condition
- Status Quo and not adding Patu Kōraha

We have yet to receive correspondence or discuss the above further with Patu Kōraha. Hence, the project team would like feedback and direction from the Tangata Whenua engagement roopū:

- Would you like the project team to further discussions with Patu Kōraha with regards to the above options? – **Aē / Kāhore**

#### 6. Next Tangata Whenua Hui

We are hoping to organise another engagement hui with Tangata Whenua in late September / early October. It is hoped to align this with a site visit with the Kaitāia WWTP.

At this stage we are waiting for FNDC to review the revised proposed consent conditions.

We envisage the next hui to involve the following items:

- Update on all projects re: Kaitāia WWTP
- Present revised consent conditions (to be sent prior to hui) and receive feedback
- Wānanga between Tangata Whenua & FNDC further on the detail of how Far North Waters Alliance can best give effect to the NOF.
- Presentation of current compliance data sent to NRC
- General Business and additional items as requested by the tangata whenua engagement roopū

Let me know if any queries, I would be more than happy to kōrero more.

Mauri ora

**Troy Brockbank** (Te Rarawa, Ngāti Hine, Ngāpuhi, Ngātiwai)

Pou Ārahi Māori - Māori Advisory Lead (Principal)

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## Appendix B: Update email to Tangata Whenua sent 27<sup>th</sup> October 2023 (prior to hui)

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Kia ora Koutou,

The purpose of this email is to provide an update on actions since the last email, and to seek your availability for an engagement hui in November to continue engagement between FNDC and tangata whenua.

### 1. Proposed Engagement hui dates – November 2023

- Can you please advise if you are available to meet at Te Ahu (TBC) on the below dates in early November 2023 to continue engagement on the Kaitaia WWTP?
  - Option A) Monday November 6<sup>th</sup> – 9am-1pm
  - Option B) Monday November 6<sup>th</sup> – 12pm-4pm
  - Option C) Tuesday November 7<sup>th</sup> – 12pm-4pm

### 2. Proposed Engagement Hui Agenda

- Agenda is yet to be finalised, but is to include the following:
  - Update on all projects re: Kaitāia WWTP
  - Present revised consent conditions (to be sent prior to hui) and receive feedback
  - Wānanga between Tangata Whenua & FNDC further on the detail of how Far North Waters Alliance can best give effect to the NOF.
  - Presentation of current compliance data sent to NRC
  - General Business and additional items as requested by the tangata whenua engagement roopū
  - Site visit to Kaitaia WWTP

### 3. Consent Conditions

- Attached is the most recent revision of the draft consent conditions (as at 27-10-2023) for your review and perusal.
- There is a lot of changes made to the conditions based on your feedback to date. We haven't included a marked up changes version, but rather a clean copy, due to the number of changes.
- We will run through the consent conditions during our engagement hui.

### 4. Update on Actions (since email on 7/09/2023)

Date Started	Action	Status	Comments
4/11/2022	Discuss invitation to KF with Te Rūnanga Nui o Te Aupōuri, Te Rūnanga o Ngāi Takoto, Ngāti Kahu, Te Paatu	Ongoing	A copy of the proposed consent conditions (draft wording as per April 2023), and request for interest in the invitation to the proposed KF have been sent to all the mentioned Iwi, Hapū entities.  To date: <ul style="list-style-type: none"><li>• Te Paatu Marae (via Chair Robert Gabel) have confirmed interest in being invited to the KF via the consent conditions.</li></ul>

			<ul style="list-style-type: none"> <li>Te Rūnanga-a-iwi o Ngāti Kahu (via CE Bardia Matiu) have referred this invite to Patu Kōraha (as mana whenua in Rangaunu and Whangatane), and asked them to contact the project team if they seek to register with the Kaitiaki Forum. We have received contact details for both Phil Subritzky - Chair of Kareponia Trustees (<a href="mailto:kumiroad57@gmail.com">kumiroad57@gmail.com</a>) and Hohepa Maclean - Chair of Kareponia Committee (<a href="mailto:hohepa.maclean@gmail.com">hohepa.maclean@gmail.com</a>). We have yet to consult with or discuss further with Patu Kōraha.</li> <li>Te Runanga o Ngāi Takoto (Wallace Rivers) has been in contact. We have yet to consult further with them.</li> </ul> <p>We have yet to heard back from Te Rūnanga Nui o Te Aupōuri – Niki Conrad, and will continue to consult with them.</p>
13/04/2023	Revise draft conditions based on feedback received during hui. Refer Appendix C of minutes for changes identified in hui.	<b>DONE</b>	<p>Consent conditions have been revised and sent to Tangata Whenua via email on 27-10-2023.</p> <p>The revised draft conditions include changes based on feedback received during and following hui held on 13<sup>th</sup> April 2023. These reflect discussions with regards to the EEF amounts, as well as incorporating advice on Instream Limits and Effluent Quality Requirements.</p> <p>FNDC will run through the conditions on hui proposed for November 2023.</p>
13/04/2023	Provide project update to Tangata Whenua	<b>Next Hui</b>	This will be provided at the next hui in November 2023
31/05/2023	Request from Louise Mischewski via email:  Site Visit to Kaitāia WWTP	<b>Ongoing</b>	<p>We have been in contact with the WWTP operator.</p> <p>FNDC are proposing a site visit in November 2023 following next engagement hui</p>

17/07/2023	Request from Oturu Marae via email:  Provided table to give effect to the NOF	Next hui	It is proposed to wānanga between tangata Whenua & FNDC further on the detail of how Far North Waters Alliance can best give effect to the NOF as preferred.  This item will be raised in next engagement hui in November 2023
7/09/2023	Request from Te Paatu Marae / Te Paatu Hapū to attend remaining Tangata Whenua engagement.	Next hui	<p><i>“Robert Gabel – Chair of Te Paatu marae has asked to join the remaining tangata whenua engagement hui on behalf of Te Paatu hapū.</i></p> <p><i>*Note* Te Paatu have agreed their interest to being invited to the Kaitiaki Forum under the proposed consent conditions.</i></p> <p><i>Hence: <u>We are seeking your acceptance to add Te Paatu, and other hapū/iwi listed in the draft consent conditions under the Kaitiaki Forum, to the ongoing tangata whenua engagement hui as they register their interest.</u></i> “</p> <p>This item will be raised in next engagement hui in November 2023</p>
7/09/2023	Invitation to Patu Kōraha Hapū to join Kaitiaki Forum	Next hui	<p>Te Rūnanga-a-iwi o Ngāti Kahu (via CE Bardia Matiu) have referred interest in invite to the Kaitiaki Fourm to Patu Kōraha (as mana whenua in Rangaunu and Whangatane) and asked them to contact the project team if they seek to register with the Kaitiaki Forum.</p> <p>The project team have yet to receive correspondence or discuss further with Patu Kōraha.</p> <p>The project team are seeking feedback and direction of the Tangata Whenua to engage further with Patu Kōraha.</p> <p>This item will be raised in next engagement hui in November 2023</p>

Pou Ārahi Māori - Māori Advisory Lead (Principal)

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## Appendix C: Revised Consent Conditions sent 27<sup>th</sup> October 2023 to Tangata Whenua (prior to hui)

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### Wastewater Treatment Plant Discharges

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**Purpose:** To undertake the following activities associated with the operation of the Kaitāia Wastewater Treatment Plant (Kaitāia-WWTP):

**AUT.000932.01.04:** To discharge treated wastewater to the Awanui River on Pt Lot 4A DP 4093 Blk V Takahue SD, at or about location co-ordinates 1620752E 6114931N.

**AUT.000932.02.03:** To discharge contaminants (primarily odour) to air from the Kaitāia-WWTP presently located on Section 87 Blk V Takahue SD, at or about location coordinates 1620595E 6114496N.

**AUT.000932.03.03:** To discharge contaminants to ground via seepage from the Kaitāia-WWTP located on Section 87 Blk V Takahue SD, at or about location co-ordinates 1620595E 6114496N.

### General

1. All activities to which this resource consent relates shall be undertaken generally in accordance with the information contained in the resource consent application documents and subsequently provided further application information including the following, in order of precedence:
  - (a) Any documentation that has received written certification under the conditions of this consent from the Northland Regional Council (NRC).
  - (b) Response to section 92 (Resource Management Act 1991 (RMA)) request for information - dated xxx [IF APPLICABLE].
  - (c) The application, assessment of effects and supporting documentation (NRC doc 20212986)

Where there is any inconsistency between the application documentation and these resource consent conditions, the resource consent conditions shall prevail, and more recent documents must take precedence.

### Influent / Effluent Quantity Monitoring



2. The Consent Holder must measure and record the daily wastewater inflow volume to the Kaitāia-WWTP and outflow from the Kaitāia-WWTP, with an accuracy of  $\pm 5\%$ . Records must be provided to the NRC in accordance with Condition 6 or upon request.
3. The Consent Holder must verify that the meters required by Condition 2 are accurate. This verification must be undertaken prior to 30 June:
  - (a) Following the first exercise of these consents; and
  - (b) At least once in every five (5) years thereafter.

The verification must be undertaken by a suitably qualified and experienced practitioner (SQEP). Written verification of the accuracy must be provided to NRC by 31 July following the date of verification.

4. The recordings referred to in Condition 2 must be kept by the Consent Holder for the duration of this resource consent.
5. Within six (6) months of the commencement of this consent, the Consent Holder must install a rainfall gauge, and then record daily, the local rainfall over a 24-hour period on days that treated wastewater discharges are occurring.
6. Records required by conditions 2 and 5 must be in a format agreed to by the NRC and results presented in the Annual Monitoring Report (AMR) required by condition 52.

### **Effluent Discharge Volume Limits**

7. The volume of treated wastewater discharged to the Awanui River must not, based on a 30-day rolling average of dry weather discharges, exceed 3,200 cubic metres. Compliance with this condition must be based on the average of the 30 most recent "dry weather discharge days".

*Advice Notes:*

- 1) *A "dry weather discharge day" is any day on which there is less than 1 millimetre of rainfall, and that day occurs after three consecutive days either without rainfall or with rainfall of less than 1 millimetre on each day.*
- 2) *The rainfall measurements used to determine a dry weather discharge day must be based on the records obtained under condition 5.*

### **WWTP Upgrades**

8. The Consent Holder shall upgrade the Kaitāia-WWTP by no later than 5 years from commencement of this consent (or a later date agreed with NRC in the event of unexpected delays), to meet the compliance limits required by condition 9 and enhance the cultural health of the Awanui river, Tāngonge Wetlands, and their associated catchments.

### Wastewater Discharge Limits

9. Notwithstanding any other conditions, for the duration of the consent, the exercise of these consents must comply with the following limits and outcomes in Table 1, as measured at NRC Monitoring Site 100370:

**Table 1: Ongoing Instream Limits / Outcomes**

Parameter	Unit	Outcome
Natural temperature	Degrees Celsius	To not cause a change of $\leq 3$ C degrees Celsius for the summer period measurement of the Cox-Rutherford Index averaged over the five (5) hottest days;
pH	Unitless	To not fall outside a range of 6.0 and 9.0;
Dissolved oxygen (DO)	mg/L	To not reduce by more than 20% when compared with the water quality at NRC Monitoring Site 100369;
DO	mg/L	To not reduce below a 7-day mean minimum of 5.0 mg/L and a 1-day minimum of 4.0 mg/L.
Water clarity	m	To not reduce by more than 30% when compared with the water quality at NRC Monitoring Site 100369.
Solids and visuals	Unitless	To not result in conspicuous oil or grease films, scums or foams, floatable or suspended materials

10. Until the Consent Holder gives effect to Condition 8, the exercise of these consents must comply with the following limits and outcomes in Table 2, as measured at NRC Monitoring Site 100370:

**Table 2: Interim Instream Outcomes**

Parameter / Effect	Unit	Outcome
Acute toxicity or significant adverse effects of chronic toxicity to natural aquatic life.		To not result in acute toxicity or significant adverse effects of chronic toxicity to natural aquatic life by reason of a concentration of toxic substances.  Compliance with this requirement is determined from the results of whole effluent toxicity monitoring in accordance with the Whole Effluent Toxicity Testing Monitoring

		Programme in Schedule 1(2) (attached);																																																																
<i>Escherichia coli</i> ( <i>E. coli</i> ).	#/100 mL	To not result in significant increase when compared with the water quality at NRC Monitoring Site 100369; and																																																																
Total Ammoniacal Nitrogen (TAN).	NH <sub>3</sub> + NH <sub>4</sub> -N	To not exceed the following: <table border="1" data-bbox="893 448 1372 1787"> <thead> <tr> <th>pH of Water at the time of sampling</th> <th>TAN (g/m<sup>3</sup>)</th> </tr> </thead> <tbody> <tr><td>6.0</td><td>2.57</td></tr> <tr><td>6.1</td><td>2.56</td></tr> <tr><td>6.2</td><td>2.54</td></tr> <tr><td>6.3</td><td>2.52</td></tr> <tr><td>6.4</td><td>2.49</td></tr> <tr><td>6.5</td><td>2.46</td></tr> <tr><td>6.6</td><td>2.43</td></tr> <tr><td>6.7</td><td>2.38</td></tr> <tr><td>6.8</td><td>2.33</td></tr> <tr><td>6.9</td><td>2.26</td></tr> <tr><td>7.0</td><td>2.18</td></tr> <tr><td>7.1</td><td>2.09</td></tr> <tr><td>7.2</td><td>1.99</td></tr> <tr><td>7.3</td><td>1.88</td></tr> <tr><td>7.4</td><td>1.75</td></tr> <tr><td>7.5</td><td>1.61</td></tr> <tr><td>7.6</td><td>1.47</td></tr> <tr><td>7.7</td><td>1.32</td></tr> <tr><td>7.8</td><td>1.18</td></tr> <tr><td>7.9</td><td>1.03</td></tr> <tr><td>8.0</td><td>0.90</td></tr> <tr><td>8.1</td><td>0.78</td></tr> <tr><td>8.2</td><td>0.66</td></tr> <tr><td>8.3</td><td>0.56</td></tr> <tr><td>8.4</td><td>0.48</td></tr> <tr><td>8.5</td><td>0.40</td></tr> <tr><td>8.6</td><td>0.34</td></tr> <tr><td>8.7</td><td>0.29</td></tr> <tr><td>8.8</td><td>0.24</td></tr> <tr><td>8.9</td><td>0.21</td></tr> <tr><td>9.0</td><td>0.18</td></tr> </tbody> </table>	pH of Water at the time of sampling	TAN (g/m <sup>3</sup> )	6.0	2.57	6.1	2.56	6.2	2.54	6.3	2.52	6.4	2.49	6.5	2.46	6.6	2.43	6.7	2.38	6.8	2.33	6.9	2.26	7.0	2.18	7.1	2.09	7.2	1.99	7.3	1.88	7.4	1.75	7.5	1.61	7.6	1.47	7.7	1.32	7.8	1.18	7.9	1.03	8.0	0.90	8.1	0.78	8.2	0.66	8.3	0.56	8.4	0.48	8.5	0.40	8.6	0.34	8.7	0.29	8.8	0.24	8.9	0.21	9.0	0.18
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After the Consent Holder gives effect to Condition 8 and compliance with limits in Condition 11 takes effect, Condition 10 ceases to require compliance with.

11. After the Consent Holder gives effect to Condition 8, the following limits in Table 3 apply to the treated effluent:

**Table 3: Long-term Effluent Limits**

Parameter	Unit	Metric	Limit
TAN	(g m <sup>3</sup> )	Mean	3
		95 <sup>th</sup> Percentile	5
Nitrate-Nitrogen (NO <sub>3</sub> -N) (Nitrate-N)	(g m <sup>3</sup> )	Mean	13
		95 <sup>th</sup> Percentile	14
Dissolved Reactive Phosphorus (DRP)	(g m <sup>3</sup> )	Mean	<1.5
<i>E. coli</i>	(#/100mL)	Median	<260
		95 <sup>th</sup> Percentile	<1,200

12. After 12 months of the Kaitāia-WWTP Upgrade being commissioned in accordance with Condition 8, the Consent Holder shall engage a SQEP(s) to review the effect of the upgrade on:

- (a) whether the discharge limits in Condition 11 have been achieved;
- (b) the water quality in the Awanui River; and
- (c) the cultural health of the Awanui River consistent with Condition 30(c) and 35(e).

The review shall include:

- (a) An evaluation of the monitoring results with regard to the discharge limits in Condition 8;
- (b) An assessment of the improvement in water quality in the Awanui River and cultural indicators of health following the upgrade; and
- (c) A review of whether the discharge meets or will meet the relevant water quality guidelines or standards included within the relevant Regional Plan including any future target attribute states and limits on resource use.

13. A copy of this review shall be provided to NRC within 15 months of the Kaitāia-WWTP Upgrade being commissioned in accordance with Condition 8.

*Advice note: If this review recommends that amendments to the discharge limits, receiving environment standards or implementation timeframes are necessary, then NRC may initiate a formal review of the consent in accordance with Condition 53.*

## Influent, Effluent and Instream Quality Monitoring

14. The Consent Holder must monitor and maintain a record of the activities authorised by these consents in accordance with Schedule 1 (attached). The laboratory analysis results must be held by the Consent Holder and the record must include both the raw data and calculations used to determine compliance, be in a format agreed to by NRC and must be made available to NRC upon request.
15. The Consent Holder must provide and maintain easy and safe access to all sampling points listed in Schedule 1.
16. During periods when blue cyanobacteria is prominent in the wastewater treatment ponds, one triplicate sample must be taken fortnightly from NRC sampling site 100370 and analysed for total bacterial cell counts, biovolume equivalents for combined total of all cyanobacteria, biovolume of potentially toxic cyanobacteria and total microcystin concentrations.
17. In reference to Table 4, should:
- (a) Situation (A) occur, the Consent Holder must undertake actions required in cell (C);
  - (b) Situation (B) occur, the Consent Holder must undertake actions required in cell (D);

as follows:

**Table 4: Cyanobacteria Situations and Actions**

Situation (A)	Actions required (C)
<ul style="list-style-type: none"> <li>a) Biovolume equivalent of 0.5 to &lt;1.8 mm<sup>3</sup> of potentially toxic cyanobacteria (see Tables 1 and 2 of the New Zealand Guidelines for Cyanobacteria in Recreational Fresh Waters (2009); and/or</li> <li>b) 0.5 to &lt;10 mm<sup>3</sup>/L total biovolume of all cyanobacterial material</li> </ul>	<ul style="list-style-type: none"> <li>a) Increase sampling to at least weekly; and</li> <li>b) Notify the public health unit; and</li> <li>c) Notify NRC</li> </ul>
Situation (B)	Actions required (D)
<ul style="list-style-type: none"> <li>a) ≥12 µg/L total microcystins or biovolume equivalent of ≥1.8 mm<sup>3</sup>/L of potentially toxic cyanobacteria and/or</li> <li>b) ≥10 mm<sup>3</sup>/L total biovolume of all cyanobacteria material and/or</li> </ul>	<ul style="list-style-type: none"> <li>a) Continue to monitor at least weekly; and</li> <li>b) If potentially toxic taxa are present, then consider testing samples for cyanotoxins; and</li> </ul>

c) Cyanobacterial scums are consistently present	c) Notify the public health unit.
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*Advice note 1: The greatest potential for cyanobacteria is between spring and autumn.*

*Advice note 2: The Consent Holder should take reasonable steps to avoiding Situation A and B occurring and should they occur, take reasonable steps to minimise the duration of Situation A or B occurring.*

18. Every three (3) years (starting 2026), the Consent Holder must review the influent flows and contaminant loads to assess trends and any required upgrades to the Kaitāia-WWTP (in order to remain in compliance with these conditions) for the next three (3) years. This must include:

- (a) Review of the influent and effluent data collected under condition 14 for the preceding three (3) years, and analysis of any trends;
- (b) A review of best available information on possible future increases in population within the serviced area and predicted future wastewater flows and contaminant loads to the Kaitāia-WWTP; and
- (c) Any recommendation on whether the Kaitāia-WWTP needs to be upgraded to maintain compliance with or comply with the conditions of this consent, and associated timeframes and budget requirements.

### Odour Discharges

19. The Consent Holder's operations must not give rise to any discharge of contaminants to the air beyond the boundary of property owned by the Consent Holder, that is deemed by a NRC monitoring officer to be noxious, dangerous, offensive or objectionable.

20. A record must be kept of any significant odours beyond the Kaitāia-WWTP boundary. The record must identify the source and cause of any significant odour, duration of the odour, wind strength and direction, remedial action undertaken and the degree of success of the remedial action.

### Operating Regime

21. The Consent Holder must prepare an Operations and Management Plan (OMP) for the Kaitāia-WWTP and submit this to NRC for certification within six (6) months of the commencement of this consent. The certification process in conditions 48 to 51 must apply.

*Advice note: The Consent Holder must comply with condition 30(b) when preparing the OMP.*

22. This OMP must provide details on at least the following:

- (a) How the discharge of treated wastewater to the Awanui River will be operated and managed; and
- (b) The maintenance schedule for the Kaitāia-WWTP, including the pump station, alarms and telemetry system.

*Advice Note: The purpose of the OMP is to ensure good plant performance and compliance with conditions of these consents.*

23. The OMP must also be reviewed and updated every five (5) years after the commencement of the consent and as required as a result of any substantial changes in plant operation or management. The certification process in conditions 48 to 51 must apply to the updated OMP.

24. The Consent Holder must operate and manage the Kaitāia-WWTP in accordance with the most recently certified OMP.

25. Notwithstanding Condition 24, the Consent Holder must maintain the Kaitāia-WWTP to ensure it operates effectively, and must provide a written record of all maintenance undertaken must be kept. A copy of this record must be forwarded to the NRC upon request.

26. The Consent Holder must, on becoming aware of any unauthorised discharges associated with the Kaitāia-WWTP,

- (a) Immediately take such action, or execute such work as may be necessary, to stop and/or contain such escape; and
- (b) Immediately notify the NRC by telephone of an escape of contaminant; and
- (c) Take all reasonable steps to remedy or mitigate any adverse effects on the environment resulting from the escape; and

- (d) Notify the NRC in writing within one (1) week on the cause of the escape of the contaminant and the steps taken or being taken to effectively control or prevent such escape.

For telephone notification during the NRC's opening hours, the NRC's assigned monitoring officer for these consents must be contacted. If that person cannot be spoken to directly, or it is outside of the NRC's opening hours, then the Environmental Hotline must be contacted.

*Advice Note: The Environmental Hotline is a 24 hour, seven day a week, service that is free to call on 0800 504 639.*

27. The Consent Holder must, for the purposes of adequately monitoring these consents as required under Section 35 of the RMA, maintain records of any complaints relating to the operation of these consents received by the Consent Holder, as detailed below:

- (a) The name and address of the complainant (where provided);
- (b) The date and time the complaint is received;
- (c) The duration of the event that gave rise to the complaint;
- (d) The location from which the complaint arose;
- (e) The weather conditions prevailing at that time;
- (f) Any events in the management and operation of any processes that may have given rise to the complaint; and
- (g) Any actions taken by the Consent Holder, where possible, to minimise contaminant emissions.

28. The Consent Holder must:

- (a) notify the NRC as soon as is practicable of any complaint received.
- (b) send the records to the NRC immediately upon request.
- (c) report any complaints in the AMR required by condition 52.



Kaitiaki Forum

29. Within one (1) month of the commencement of this consent, the Consent Holder must invite the following Tangata Whenua and representatives to join a Kaitiaki Forum (KF):

- (a) Te Rūnanga o Te Rarawa
- (b) Ngāti Te Ao, Te Uri o Hina, Te Tahawai
- (c) Te Rūnanga-a-iwi o Ngāti Kahu
- (d) Ngāi Tohianga, Te Paatu
- (e) Te Runanga o Ngāi Takoto
- (f) Te Rūnanga Nui o Te Aupōuri

Advice Note: *The purpose of the KF is to:*

- (a) *Recognise the importance of Awanui river, Tāngonge Wetlands, and their associated catchments as a taonga, and to recognise the authority and obligations of Tangata Whenua as kaitiaki to make decisions that maintain, protect, and sustain the health and wellbeing of, and their relationship with these taonga; and*
- (b) *Facilitate ongoing engagement with Tangata Whenua by providing a forum for discussion in respect of the implementation of this Consent, and of the activities authorised by this Consent; and*
- (c) *Provide for the kaitiaki responsibilities and values of Tangata Whenua to be reflected in the plans and activities set out in the conditions of this consent; and*
- (d) *Provide a forum for the Consent Holder to report and discuss the results of monitoring activities authorised under this consent with Tangata Whenua.*

30. The KF must provide the opportunity for Tangata Whenua to:

- (a) input into the development of a Terms of Reference (ToR) for the KF. The ToR is to be reviewed at least annually or as set out in the ToR;

- (b) input into the drafting, preparation, and development of the plans (including but not limited to the Cultural Health and Wellbeing Monitoring Plan (CHWMP) and Riparian Planting Plan (RPP)) set out in the conditions of this consent;
- (c) input into the design and development of the Kaitāia-WWTP upgrade works required by condition 8;
- (d) review the effectiveness of the Kaitāia-WWTP upgrade required by condition 8 in mitigating cultural effects;
- (e) review and make recommendations to the Consent Holder on any proposed changes to the plans set out in the conditions of this consent;
- (f) advise and make recommendations to the Consent Holder on monitoring outcomes which indicate a change in risk or threat to cultural values;
- (g) advise and make recommendations to the Consent Holder on the appropriateness of any mitigation, response and contingency measures in the case of unexpected changes to effects on cultural values identified in (f) above;
- (h) input into the development of an eligibility and assessment criteria for an Environmental Enhancement Fund (EEF);
- (i) measure key performance indicators as set out in the CHWMP;
- (j) undertake any other activities and functions as set out in the ToR; and
- (k) record observations and receive responses in relation to the consent conditions and activities authorised under the consent.

31. The KF is to meet at least biannually or as determined in the ToR. The consent holder must prepare and circulate an agenda for each meeting and a record of these meetings presented to the KF members within one (1) month of the meeting and in the AMR required by condition 52.

32. Should the Consent Holder and the KF decide to investigate the Best Practicable Option (BPO) for discharge of treated wastewater from Kaitāia town, then the Consent Holder must:

- (a) appoint and provide the KF with technical support from an independent SQEP in wastewater engineering and other SQEPs as required for the intended receiving environment (i.e. land disposal) with this SQEP being certified by NRC as being independent, suitably qualified and having no conflict of interest;
- (b) report to NRC as to the outcome of each review of the Best Practicable Option (BPO) for the treatment and discharge of wastewater; and
- (c) in the event the BPO is to change to land disposal, advise NRC whether or not it is committing to the land disposal option and, if so, the anticipated timeframe for this BPO to be implemented.

#### Funding Costs

33. The Consent Holder must fund the fair and reasonable costs associated with:

- (d) The operation of the KF (as provided for in the ToR for the KF).
- (e) Development and delivery of the CHWMP.
- (f) Development and delivery of the RPP.
- (g) Operation of the EEF including development of the eligibility and assessment.

#### Cultural Health and Wellbeing Monitoring Plan

34. The Consent Holder must engage a SQEP in cultural practices to prepare the CHWMP.

*Advice Note 1: The purpose of the CHWMP is to ensure the cultural values of Awanui and Tāngonge are protected, monitored, and reported upon, as set out in the conditions of this Consent, for the duration of Consent.*

*Advice Note 2: The Consent Holder must comply with condition 30(b) when preparing the CHWMP.*

35. The CHWMP must meet the following requirements.

- (a) Has been prepared in collaboration with the KF;
- (b) Includes contact details, roles and responsibilities of key personnel who are responsible for implementing the CHWMP;

- (c) Provides for cultural health indicators;
- (d) Includes recommendations of key performance indicators (KPI's) to measure cultural wellbeing;
- (e) Requires monitoring to be undertaken at least on an annual basis, and specifically following the upgrade of the Kaitāia WWTP required by condition 8; or as determined otherwise by the KF;
- (f) Includes actual and potential effects that the CHWMP is designed to address;
- (g) Includes measures to be implemented to avoid, remedy or mitigate adverse effects of these issues;
- (h) Includes details of contingency measures for events producing significant adverse effects;
- (i) Includes cultural monitoring details, including instruments to be used, parameters to be measured, alert levels and response actions for alerts;
- (j) Includes procedures to be used to inform the Kaitiaki Forum and Tangata Whenua of abnormal or isolated actual or potential events; and
- (k) Is consistent and integrated (where appropriate) with all other existing plans at the Site.

36. Unless a longer timeframe is agreed to by the KF, within twelve (12) months of the commencement of this Consent, the Consent Holder must submit the CHWMP to NRC for certification that it meets the purpose set out in condition 34. The certification process in conditions 48 to 51 must apply.

37. The Consent holder must engage a SQEP as identified by the KF to undertake cultural health and wellbeing monitoring in accordance with the certified CHWMP as per condition 34 of this consent.

38. Monitoring results are to be provided to the KF at least one (1) month prior to one of the meetings for that year, as per condition 31.

## **Environmental Enhancement**

### Environmental Enhancement Fund

39. The Consent Holder must establish an EEF. The purpose of the EEF is to support opportunities for environmental enhancement within the Awanui River catchment and the Lake Tāngonge catchment.

The fund may support environmental initiatives in the following areas (or other items that provide a demonstrable positive environmental outcome) in accordance with this consent:

- (a) Mātauranga;
- (b) Monitoring and research;
- (c) Active restoration and enhancement projects;
- (d) Protection, enhancement, and maintenance of māhinga kai areas and resources;
- (e) Educational or promotional activities that raise awareness of environmental issues;
- (f) Pest Management; and,
- (g) Maintenance.

40. The Consent Holder must invite the KF to govern the EEF. The Consent Holder must ensure that the party responsible for governing the EEF:

- (a) Determines a forward workplan;
- (b) Determines which initiatives will receive funding; and
- (c) Determines how the funds are to be allocated.
- (d) Provides evidence that the funds are contributing towards a positive environmental outcome or cultural outcome as it relates to the effects of the wastewater discharge.
- (e) Reviews the effectiveness of the monetary contribution towards achieving a positive environmental outcome.

41. The initial EEF must be for, in 2023 value (excl. GST), \$150,000.00 and an annual investment of \$20,000.00 must be made by the Consent Holder to the EEF on an annual basis. These funds are to be placed in a nominated bank account within six

(6) months of the commencement of this consent and the monies must be allocated in accordance with Conditions 40.

Riparian and Planting Plan

42. The Consent Holder must engage a SQEP to prepare a RPP within the budget provided for in condition 41 that provides for riparian planting on land within 700 m of the point of discharge to the Awanui (subject to landowner approval).

*Advice Note: The Consent Holder must comply with condition 30(b) when preparing the RPP.*

43. If the Consent Holder cannot reach agreement with any downstream landowner and/or obtained any other necessary approvals in relation to implementation of the RPP, the Consent Holder must provide for riparian planting at a reach of the Awanui downstream of the discharge (beyond 700 m), to mitigate the adverse effects of the activities authorised by this consent.

Advice Note:

a) *The purpose of the RPP is to detail improvements to existing planting onsite and along neighbouring waterways, including Awanui and Tāngonge.*

b) *The objectives of the RPP are to support:*

*(a) improvement of the health and wellbeing of Awanui and Tāngonge;*

*(b) improvement of water quality;*

*(c) stabilisation of stream banks and shading of the waterway; and*

*(d) enhancement of landscape and indigenous biodiversity;*

44. The RPP must meet the following requirements.

(a) Has been prepared in collaboration with the KF;

(b) Includes the contact details, roles and responsibilities of key personnel who are responsible for implementing the RPP;

(c) Includes a staged implementation programme showing how riparian and other planting, including species and planting density, and planting time of year will be completed over the stages identified;

- (d) Identifies the areas that require both new riparian planting and improvements to existing riparian planting;
- (e) Includes a risk assessment approach to prioritising the planting and fencing required, with the highest priority to be completed first in the implementation programme;
- (f) Identifies appropriate plant species and density of planting to achieve the requirements to both stabilise stream banks and provide shading of the adjacent waterways;
- (g) Identifies the need for any necessary fencing to be installed to prevent stock entering waterways and to protect riparian planting;
- (h) Includes a plan for ongoing maintenance, release, weed management and replacement of deceased plants;
- (i) Includes a plan for pest management; and
- (j) Requires preference for locally sourced plant stocks.

45. Unless a longer timeframe is agreed to by the KF, within twelve (12) months following the commencement of this consent, the Consent Holder must provide NRC with the RPP, for certification that it meets the above purpose. The certification process in conditions 48 to 51 must apply.

46. The Consent holder must engage a SQEP as identified by the KF to undertake planting works in accordance with the certified RPP as per condition 44 of this consent.

47. The riparian and planting programme is to be commenced within twenty-four (24) months of the RPP being certified.

### **Certification**

48. All plans required by conditions of this consent must be submitted to NRC for certification prior to implementation. The process for certification set out in conditions 49 to 51 must be followed by the Consent Holder.

49. The Consent Holder must supply the plan(s) required by this consent to the NRC for certification in accordance with the timeframes assigned under this consent.

Advisory Notes: NRC will assess the documentation submitted to ensure that it achieves the requirements of the relevant condition(s) of consent, this will include that the plan meets the purpose(s) and consent requirements set out in the condition(s) of this consents;

Should the plan(s) supplied, in the opinion of NRC, achieve the requirements of the relevant condition(s), NRC must issue a written confirmation (which will must constitute 'the certificate') to the Consent Holder that the requirements of the relevant condition(s) have been satisfied;

If the NRC is not satisfied that the plan(s) supplied achieves the requirements of the relevant condition(s), the NRC will must advise the consent holder in writing of the changes, including additional information or measures, it considers necessary to meet the requirements of the relevant condition(s) and ask that the plan(s) be modified to address the concerns, and then be resubmitted for certification.

50. The Consent Holder must address the NRC's written comments and resubmit an amended plan(s) to the NRC for certification prior to implementation of the plan(s), this process must be repeated until the NRC is able to certify that the requirements of the applicable condition(s) have been satisfied.
51. Where no written confirmation of certification, notification of required changes or an alternative certification timeframe, is provided by the NRC within twenty (20) working days of a plan first being submitted to the NRC or within ten (10) working days of a plan being resubmitted to the NRC (provided the plan(s) have been provided in accordance with the Advisory Note the plan(s) must be deemed to be certified for the purpose of the respective condition(s) to which the plan pertains.

### **Annual Monitoring Report**

52. The Consent Holder must submit an AMR to NRC and the KG by 30 September each year, or other such date agreed to in writing by NRC. The reporting period must be 1 July – 30 June. As a minimum the AMR must include:
  - (a) All monitoring data required under the conditions of this resource consent submitted in an electronic extractable database format;
  - (b) Assessment of compliance with each condition of this resource consent, including any reasons for non-compliance or difficulties in achieving compliance;



- (c) Assessment of ongoing annual trends and the potential implication for ongoing compliance;
- (d) A summary of CHWMP implementation;
- (e) A summary of RPP implementation or maintenance conducted within the annual monitoring period, and scheduled for the following annual monitoring period;
- (f) A summary of feedback received from KF participants under Condition 30;
- (g) A summary of complaints received; and
- (h) A summary of any incidents that resulted in non-compliance, or were otherwise of a substantial scale, and the actions taken or planned to avoid re-occurrence.

## Review

53. The NRC may, in accordance with Section 128 of the RMA, serve notice on the Consent Holder of its intention to review the conditions of these consents. Such notice may be served annually during the month of May. The review may be initiated for any one or more of the following purposes:

- (a) To deal with any adverse effects on the environment that may arise from the exercise of these consents; or
- (b) To require the adoption of the best practicable option to remove or reduce any adverse effect on the environment.
- (c) To reduce the term of the consent to discharge to the Awanui River in the event the Consent Holder has commissioned an alternative discharge scheme during the term of the consent and has not surrendered the consent.

The Consent Holder must meet all reasonable costs of each review.

## EXPIRATION DATES:

**AUT.000932.01.04** this consent will expire 15 years after it is issued

**AUT.000932.02.03** this consent will expire 15 years after it is issued

**AUT.000932.03.03:** this consent will expire 15 years after it is issued

*Advice Note: Should the Consent Holder authorise, construct and commission infrastructure to discharge treated wastewater to land within this 15 year consent term, then Resource Consent AUT.000932.01.04 will be surrendered. The terms of the surrender are expected to be set out in any consent that authorises that discharge to land.*

## Schedule 1 – Monitoring Program

The Consent Holder must undertake the monitoring specified in this schedule.

All samples must be collected using National Environmental Monitoring Standards (NEMS) procedures and stored in appropriate laboratory supplied containers.

All samples collected must be transported in accordance with NEMS procedures to the laboratory.

All samples must be analysed at an accredited laboratory with registered quality assurance procedures, and all analyses are to be undertaken using standard methods, where applicable. Registered Quality Assurance Procedures are procedures which ensure that the laboratory meets recognized management practices and would include registrations such as ISO 9000, ISO Guide 25, Ministry of Health Accreditation.

### 1. WASTEWATER QUALITY

Sampling and analysis of wastewater must be undertaken as per **Table 5** below.

**Table 5: Wastewater Sampling Requirements**

Sample Location	Frequency	Method	Parameters	Units
Influent prior to entry into WWTP	Monthly	A composite sample made up of equal volumes from three samples taken at least one minute apart during the same event.	cBOD <sub>5</sub>	mg/L
			Total suspended solids (TSS)	mg/L
			Total Kjeldahl Nitrogen (TKN)	mg/L
			TAN	mg/L
			Nitrate-N	mg/L
			TP	mg/L
Effluent from discharge pipe	Monthly	A composite sample made up of equal volumes from three samples taken at least one minute apart during the same event.	EC (	mS/m
			cBOD <sub>5</sub>	mg/L
			TSS	mg/L
			Total Nitrogen (TN)	mg/L
			TKN	mg/L
			TAN	mg/L
			Nitrate-N	mg/L
			TP	mg/L
			DRP	mg/L
			Faecal coliforms	cfu/100 mL
			<i>E.coli</i>	#/100 mL
	In field measurement			pH
Temperature				°C

## 2. RECEIVING WATER QUALITY

Sampling and analysis of the receiving waters must be undertaken as per **Table 6** below.

The downstream water quality samples are to be taken at a time that is or as close to the predicted time of half outgoing tide (i.e., one or two hours after high tide). The time of sampling during the day must vary with each sampling round to ensure that samples have been taken at points during the day to ensure that monitoring data is representative of the conditions.

Monthly sampling dates are to be set in advance at the beginning of each month.

**Table 6: River Water Quality Sampling Requirements**

Sample Location	Frequency	Method	Parameters	Units
(a) 100373: Discharge from the outlet of the Kaitāia-WWTP	Monthly	One grab sample at each site must be collected on the same day.	(a) Temperature	(a) Degrees Celsius
(b) 100369: Awanui River 50 m upstream of the Kaitāia-WWTP discharge		Temperature and DO concentration must be measured in the field using a meter in accordance with standard procedures and grab sample measurements are not required for these parameters.	(b) pH	(b) no units
(c) 100370: Awanui River upstream of its confluence with the Waihoe Channel		<i>E.coli</i> must, unless otherwise agreed to with the NRC, be measured using the Colilert™ method.	(c) DO concentration	(c) %
(d) TBC: Awanui River 120 m downstream of 100373			(d) EC	(d) mS/m
			(e) TSS	(e) mg/L
			(f) Visual clarity	(f) m
			(g) TN	(g) mg/L
			(h) TAN	(h) mg/L
			(i) Nitrate-N	(i) mg/L
			(j) TP	(j) mg/L
			(k) DRP	(k) mg/L
			(l) <i>E.coli</i>	(l) #/100 mL
			(m) Periphyton biomass (chlorophyll a)	(m) mg chl-a/ m <sup>3</sup>

## Whole Effluent Toxicity Testing

Monitoring of whole effluent toxicity (WET) must be undertaken on samples of discharged wastewater. The monitoring programme shall consist of an initial screening study of four samples taken at two monthly intervals. The results must be reviewed by the NRC, and provided no significant toxicity is detected, WET monitoring must be undertaken annually on two samples taken at least two months apart during the December to March period.

The Consent Holder must, within six (6) months of the grant of consent, provide a proposed programme for WET monitoring to the NRC for certification. The proposed programme shall include protocols for effluent sampling, handling and transport, test species and methods to be used, sample dilutions to be used in the tests, methods of interpretation of results, and a criterion for unacceptable toxicity.

## Sludge Storage Facility

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**Purpose:** To undertake the following activities associated with the operation of a sludge storage facility on Section 1 on SO 447437, being Part Pukepoto No.6 Blk II Ahipara SD Blk V Takahue SD, at or about location co-ordinates 1620128 E 6114229 N.

**AUT.030602.01.02:** Discharge contaminants to land by way of seepage from the base of the sludge storage facility.

**AUT.030602.02.01:** Discharge contaminants to air (primarily odour) from the sludge storage facility.

1. The sludge storage facility must be maintained generally in accordance with the attached Opus plans entitled:
  - (a) "Storage Area Layout Plan", Drawing Number: 9/1063/159/7114, Dated 17/4/2014; and
  - (b) "Site Plan and Notes", Drawing Number: 9/1063/159/7114, Dated 17/4/2014, Dated 17/4/2014.

However, if there are any differences or apparent conflict between these documents and any conditions of this consent, then the conditions of consent must prevail.

2. All sludge must be dewatered to a dry matter content of at least 20 percent prior to it being placed into the sludge storage facility, as shown on the plans attached to Condition **XXX**.
3. The Consent Holder must prepare and maintain an Operations Management Plan (OMP) that covers all aspects of the operation and maintenance of the sludge storage facility. The OMPP must include, but not be limited to, the following:
  - (a) A schedule of inspection, servicing, and maintenance actions to be carried out on the sludge storage facility.
  - (b) Methods to be used to mitigate any nuisances that might arise from the activity including odour or midges and other insects.
4. The Consent Holder may amend the OMP at any time. A copy of the amended OMP must be forwarded to the NRC within one (1) week of the amended OMP becoming operative.

5. The sludge storage facility must be correctly operated and maintained in an effective manner. This operation and maintenance must, as a minimum, be undertaken in accordance with the OMP required by Condition 3. For compliance purposes, the most recent copy of the OMP held by the NRC must be used.
6. The Consent Holder's operations must not give rise to any discharge of contaminants to the air beyond the boundary of property owned by the Consent Holder, that is deemed by a NRC monitoring officer to be noxious, dangerous, offensive or objectionable.
7. The Consent Holder must, for the purposes of adequately monitoring the consent as required under Section 35 of the RMA, on becoming aware of any contaminant associated with the Consent Holder's operations escaping otherwise than in conformity with this consent:
  - (a) Immediately take such action, or execute such work as may be necessary, to stop and/or contain such escape; and
  - (b) Immediately notify the NRC by telephone of an escape of contaminant; and
  - (c) Take all reasonable steps to remedy or mitigate any adverse effects on the environment resulting from the escape; and
  - (d) Report to the NRC in writing within one (1) week on the cause of the escape of the contaminant and the steps taken or being taken to effectively control or prevent such escape.

For telephone notification during the NRC's opening hours, the NRC's assigned monitoring officer for these consents must be contacted. If that person cannot be spoken to directly, or it is outside of the NRC's opening hours, then the Environmental Hotline must be contacted.

*Advice Note: The Environmental Hotline is a 24 hour, seven day a week, service that is free to call on 0800 504 639.*

8. The NRC may, in accordance with Section 128 of the RMA, serve notice on the Consent Holder of its intention to review the conditions of these consents. Such notice may be served annually during the month of May. The review may be initiated for any one or more of the following purposes:
  - (a) To deal with any adverse effects on the environment that may arise from the exercise of these consents; or
  - (b) To require the adoption of the best practicable option to remove or reduce any adverse effect on the environment.

The Consent Holder must meet all reasonable costs of each review.

**Expiry Date:** this consent will expire 15 years after it is issued.