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NWWTP Identified Potential Stakeholders:

| Group | Contact Name | Contact Method | Email/Messenger |
|--|-----------------------------|--------------------------|------------------------|
| Nelson Marina Berth Holders Association | | Email | |
| Nelson Boardriders Association | | Email | |
| Nelson Boating Community | | Facebook | |
| Glen residents | Jacqueline Gibson | Facebook | |
| Nelson Fishing Community | Mark Cotton | Facebook | |
| Atawhai Four Square | | Facebook | |
| Friends of the Nelson Haven | Gillian Pollock | Email | |
| Wakapuaka Tennis Club | | Email | |
| Atawhai Community Church | Ingrid Shaw | Email | |
| The Nelson Model Aero Club | Murray Irvine | Email | |
| Forest and Bird | Julie McLintock | Email | |
| Cawthron | Andrea Mead | Email | |
| NMDHB | Geoff Cameron, Sonya | Email | |
| Clifton Terrace School | Rob Wemyss | Email | |
| Hira School | | Email | |
| Atawhai Playcentre | | Email | |
| Nelson Yacht Club | | Email | |
| Tasman Bay Cruising Club | | Email | |

| uationAssessrr | PropertyLocation | Surname | Fname | Sal | RatepayerAddress1 | RatepayerAddress2 |
|----------------|--------------------------------|---------|-------|-----|-------------------|-------------------|
| | Wakapuaka Road SH6, Nelson | | | | | |
| | Boulder Bank, Nelson | | | | | |
| | 223 Wakapuaka Road SH6, Nelson | | | | | |
| | 250 Wakapuaka Road SH6, Nelson | | | | | |
| | 240 Wakapuaka Road SH6, Nelson | | | | | |
| | 307 Wakapuaka Road SH6, Nelson | | | | | |
| | 248 Wakapuaka Road SH6, Nelson | | | | | |
| | 224 Wakapuaka Road SH6, Nelson | | | | | |
| | 232 Wakapuaka Road SH6, Nelson | | | | | |
| | 308 Wakapuaka Road SH6, Nelson | | | | | |
| | 252 Wakapuaka Road SH6, Nelson | | | | | |
| | 222 Wakapuaka Road SH6, Nelson | | | | | |
| | 220 Wakapuaka Road SH6, Nelson | | | | | |
| | 287 Wakapuaka Road SH6, Nelson | | | | | |
| | 288 Wakapuaka Road SH6, Nelson | | | | | |
| | 137 Glen Road, Nelson | | | | | |
| | 323 Wakapuaka Road SH6, Nelson | | | | | |
| | 124 Wakapuaka Road SH6, Nelson | | | | | |
| | 108 Wakapuaka Road SH6, Nelson | | | | | |
| | 110 Wakapuaka Road SH6, Nelson | | | | | |
| | 114 Wakapuaka Road SH6, Nelson | | | | | |
| | 116 Wakapuaka Road SH6, Nelson | | | | | |
| | 120 Wakapuaka Road SH6, Nelson | | | | | |
| | 122 Wakapuaka Road SH6, Nelson | | | | | |
| | 126 Wakapuaka Road SH6, Nelson | | | | | |
| | 128 Wakapuaka Road SH6, Nelson | | | | | |
| | 130 Wakapuaka Road SH6, Nelson | | | | | |
| | 170 Wakapuaka Road SH6, Nelson | | | | | |
| | 170 Wakapuaka Road SH6, Nelson | | | | | |
| | 25 Todd Bush Road, Nelson | | | | | |
| | 172 Wakapuaka Road SH6, Nelson | | | | | |
| | 174 Wakapuaka Road SH6, Nelson | | | | | |

From: Paul Shattock <Paul.Shattock@ncc.govt.nz>
Sent on: Monday, July 13, 2020 3:10:15 AM
To: Engage <engage@ncc.govt.nz>
BCC: Friends of Nelson Haven <@nelsonhaven.org.nz>; @outlook.com; @forestandbird.org.nz;
@hira.school.nz; @nelsonyachtclub.org.nz; @xtra.co.nz; @Playcentre.org.nz; @tennisnelson.
@nmdhb.govt.nz
Subject: Nelson North Wastewater Treatment Plant - resource consent renewal
Attachments: 2877 NWWTP - letter to stakeholders 24 June 2020.pdf (102 KB)

Kia ora,

Nelson City Council is beginning the process of renewing the resource consent for the Nelson North Wastewater Treatment Plant. You have been invited to be a party or stakeholder. Please see attached a letter outlining this project, and the contact information if you have any questions.

Ngā mihi,

Paul

Paul Shattock
Manager - Community Engagement

Nelson City Council | Te Kaunihera o Whakatū
P 03 546 0301 | M 021 225 2568
nelson.govt.nz

Civic House, 110 Trafalgar Street
PO Box 645, Nelson 7040, New Zealand

24 June 2020

P (03) 546 0200
E [@ncc.govt.nz](mailto:NWWTPconsent@ncc.govt.nz)
nelson.govt.nz

Name
Address 1
Address 2
Address 3 and Postcode

Dear **Salutation**

Nelson North Wastewater Treatment Plant

Maintaining Nelson's wastewater network is essential in order to keep Nelson running as a city. A key part of that network is the Nelson North Wastewater Treatment Plant (NWWTP), located just off Boulder Bank Drive. The existing resource consents for the NWWTP are due to expire in December 2024, and we want to start the conversation now with our partners and key stakeholders.

Over the last ten years the plant has been significantly upgraded from just oxidation ponds to help make sure the wastewater is treated to a high standard. As a result, the treated water from the plant consistently meets our resource consent requirements.

The upgrades that have improved the quality of the treated water includes the addition of a pre-treatment clarifier and trickling filter, screening at both the treatment plant and upstream of the treatment plant at the Neale Park pump station (to remove grit and other materials that could potentially cause blockages) and wetlands (that use natural processes to improve the quality of the water). A biofilter, aerators and a cover to the trickling filter have also been added at the plant to reduce odour issues. An upfront buffer storage zone has also been added to assist with storage during major wet weather events.

The last three annual compliance reports showed that the plant is meeting all the stringent discharge conditions of its current resource consent relating to treated wastewater. Odour discharge always remains a challenge and a pond management team (including a microbiologist) monitor performance of the treatment facility on a regular basis.

As part of the resource consent renewal process, Council will be investigating alternative options for the management of wastewater in the region. While alternative options may not be able to be implemented straight away, this consent will start the process to find the best solution for Nelson's future.

This involves weighing up the benefits and dis-benefits of a range of alternatives against cultural, social, environmental, technological and economic considerations. The outcome of this assessment will be to determine the "best practicable option" for our community and the receiving environment (Tasman Bay).

As a nearby resident, we want to advise you that we will soon be starting this process and would like to get your input. This engagement will inform a Council workshop scheduled for early 2021.

If you are willing to participate, please contact us at the email address or phone number above. If you have any questions then our Project Manager, Helen Brown, will be happy to assist (NWWTPconsent@ncc.govt.nz).

We look forward to hearing from you.

Yours sincerely

Alec Louverdis
Group Manager Infrastructure

Example

| 2877 NWWTP Stakeholders with Postal Addresses only - contact details list | | | | 12/08/2020 | |
|---|-------|------------------------------------|--------------------|------------|--------------|
| Name1 | Name2 | Address1 | Address2 | Salutation | Phone Number |
| | DOC | Private Bag 5 | Nelson Mail Centre | | |
| | | 232 Wakapuaka Road State Highway 6 | RD 1, Nelson 7071 | | |
| | | 110 Wakapuaka Road | RD 1, Nelson 7071 | | |
| | | 114 State Highway 6 | RD 1, Nelson 7071 | | |
| | | 116 Wakapuaka Road | RD 1, Nelson 7071 | | |
| | | 120 State Highway 6 | RD 1, Nelson 7071 | | |
| | | 130 Wakapuaka Road | RD 1, Nelson 7071 | | |
| | | 8 Melrose Road | Island Bay | | |
| | | 220 Wakapuaka Road | RD 1, Nelson 7071 | | |
| | | 664 Atawhai Crescent | Nelson 7010 | | |
| | | 250 Wakapuaka Road | Nelson 70171 | | |
| | | 10 Skylark Rise, Todds Valley | Nelson 7071 | | |
| | | 32 Seafeld Terrace, Glenduan | Nelson 7071 | | |

2877 NWWTP Stakeholders with email addresses - contact details list

| Name1 | Name | Salutation | Address1 | Address2 | Email Address | | | | |
|-----------------------------|-----------------------------|------------|---|-------------|---------------|--|--|--|--|
| | | | 250 Wakapuaka Road | SH6, Nelson | | | | | |
| | | | 240 Wakapuaka Road | SH6, Nelson | | | | | |
| | | | 307 Wakapuaka Road | SH6, Nelson | | | | | |
| | | | 248 Wakapuaka Road | SH6, Nelson | | | | | |
| | | | 224 Wakapuaka Road | SH6, Nelson | | | | | |
| | | | 252 Wakapuaka Road | SH6, Nelson | | | | | |
| | | | 287 Wakapuaka Road | SH6, Nelson | | | | | |
| | | | 288 Wakapuaka Road | SH6, Nelson | | | | | |
| | | | 323 Wakapuaka Road | SH6, Nelson | | | | | |
| | | | 124 Wakapuaka Road | SH6, Nelson | | | | | |
| | | | 108 Wakapuaka Road | SH6, Nelson | | | | | |
| | | | 122 Wakapuaka Road | SH6, Nelson | | | | | |
| | | | 126 Wakapuaka Road | SH6, Nelson | | | | | |
| | | | 128 Wakapuaka Road | SH6, Nelson | | | | | |
| | | | 170 Wakapuaka Road | SH6, Nelson | | | | | |
| | | | 170 Wakapuaka Road | SH6, Nelson | | | | | |
| | | | 172 Wakapuaka Road | SH6, Nelson | | | | | |
| | | | 174 Wakapuaka Road | SH6, Nelson | | | | | |
| | | | Nelson Marina Berth Holders Association | | | | | | |
| | | | Nelson Boardriders Associat on | | | | | | |
| Friends of the Nelson Haven | Gillian Pollock (Secretary) | | | | | | | | |
| Friends of the Nelson Haven | Helen Campbell (Rep) | | | | | | | | |
| Wakapuaka Tennis Club | | | | | | | | | |
| Atawhai Community Church | Ingrid Shaw | | | | | | | | |
| The Nelson Model Aero Club | Murray Irvine | | | | | | | | |
| Forest and Bird | Julie McLintock | | | | | | | | |
| Cawthron | Andrea Mead | | | | | | | | |
| Cawthron | Peter Fisher | | | | | | | | |
| Cawthron | Cameron Ingram | | | | | | | | |
| NMDHB | | | | | | | | | |
| NMDHB | Geoff Cameron | | | | | | | | |
| NMDHB | Sonya Briggs | | | | | | | | |
| Clifton Terrace School | | | | | | | | | |
| Clifton Terrace School | Rob Wemyss | | | | | | | | |
| Hira School | | | | | | | | | |
| Atawhai Playcentre | | | | | | | | | |
| Nelson Yacht Club | | | | | | | | | |
| Tasman Bay Cruising Club | | | | | | | | | |
| Singleton Antony Andrew | Higgins Sharon Rose | | | | | | | | |
| Hoare Peter James | Young Amanda | | | | | | | | |
| Parton Carol | | | | | | | | | |
| DOC | Lionel Solly | | | | | | | | |

From: NWWTP Consent Project [<mailto:NWWTPconsent@ncc.govt.nz>]

Sent: Wednesday, 12 August 2020 3:17 PM

To: [REDACTED]

Subject: Stakeholder Meeting - Nelson North Wastewater Treatment Plant Resource Consent Project

Civic House, 110 Trafalgar Street
PO Box 645, Nelson 7040, New Zealand

12 August 2020

P (03) 546 0200

E NWWTPconsent@ncc.govt.nz

nelson.govt.nz

Dear [REDACTED]

Stakeholder Meeting - Nelson North Wastewater Treatment Plant Resource Consent Project

12 noon to 2.00 pm - 26th August 2020 – Ruma Manuka - Elma Turner Library in Nelson – 27 Halifax Street

I wish to invite you to a meeting with council staff to discuss and to listen to your views on the Nelson North Wastewater Treatment Plant (NWWTP) Resource Consent Project. The existing resource consents for the NWWTP expire in December 2024, and we want to start the conversation now with our partners and key stakeholders.

Maintaining Nelson's wastewater network is essential to keep Nelson running as a city. A key part of that network is the NWWTP, located just off Boulder Bank Drive. As a key stakeholder, Council would like to get your input into this resource consent process. The meeting will provide a brief background of the treatment plant and an overview of the resource consent project.

We would like to hear from you to understand what your interest is in the NWWTP and the surrounding area. If you have any information that would provide additional insights about the surrounding area, local habitats or historical / cultural areas of interest, then we are happy for you to bring these to this meeting or provide them at a later date to help inform the project.

We hope to see you there.

Kind Regards,

Helen Brown

Project Manager

Nelson City Council | Te Kaunihera o Whakatū

P 03 546 0200

nelson.govt.nz

From: NWWTP Consent Project <NWWTPconsent@ncc.govt.nz>

Sent: Tuesday, 25 August 2020 1:00 p.m.

To: [REDACTED]

Subject: Nelson City Council - Nelson North Waste Water Treatment Plant Resource Consent Project

Nelson City Council

Civic House, 110 Trafalgar Street

PO Box 645, Nelson 7040, New Zealand

Email: NWWTPconsent@ncc.govt.nz

RE: NOTICE OF CANCELLATION - Stakeholder Meeting - Nelson North Wastewater Treatment Plant Resource Consent Project

12 noon to 2.00 pm - 26th August 2020 – Ruma Manuka - Elma Turner Library in Nelson – 27 Halifax Street

Due to the current Covid-19 restrictions, Council has decided to postpone the meeting planned for tomorrow. We will review in a few weeks' time if a physical meeting can be held as planned, otherwise we may need to organise a zoom meeting.

Apologies for the inconvenience.

Kind Regards,

Helen Brown

Project Manager

Nelson City Council | Te Kaunihera o Whakat?

P 03 546 0200

nelson.govt.nz

NWWTP Stakeholders: last updated 28 September 2020

| | Group | Date | Notes | Tardis | 26Aug2020 Meeting Invitation Sent | RSVP | Notified 26Aug2020 Mtg pos | 17Nov2020 Meeting Invitation Sent | 17Nov2020 Meeting Reminder Sent | Meeting Notes A2527933 Sent |
|----|---|----------|------------------------------|--------------------------|-----------------------------------|--------------------------|----------------------------------|-----------------------------------|----------------------------------|----------------------------------|
| 39 | Nelson Marina Berth Holders Association | | | | 12-08-20 | | 25/08 from generic email address | 14/10 emailed | 11/11 from generic email address | |
| 40 | Nelson Boardriders Association | | | | 12-08-20 | | 25/08 from generic email address | 14/10 emailed | 11/11 from generic email address | |
| 41 | Nelson Boating Community | | | | 12-08-20 | | 26/08 facebook message | | | |
| 42 | Glen residents, Jacqueline Gibson | | | | 12-08-20 | | 26/08 facebook message | | | |
| 43 | Nelson Fishing Community, Mark Cotton | | | | 12-08-20 | | 26/08 facebook message | | | |
| 44 | Atawhai Four Square | | | | 12-08-20 | | 26/08 facebook message | 14/10 - posted | | |
| 45 | Friends of the Nelson Haven, Gillian Pollock | | | | 12-08-20 | | 25/08 from generic email address | 14/10 emailed | 14/11 - hand delivered A2515632 | 17/12 from generic email address |
| | Helen Campbell responded by email | 12-08-20 | to the generic email address | A2440726 | | | | | | |
| | Helen Brown answered query by email | 13-08-20 | from generic email address | A2440726 | | | | | | |
| 46 | Wakapuaka Tennis Club | | | | 12-08-20 | | 25/08 from generic email address | 14/10 emailed | 11/11 from generic email address | |
| 47 | Atawhai Community Church, Ingrid Shaw | | | | 12-08-20 | | 25/08 from generic email address | 14/10 emailed | 11/11 from generic email address | |
| 48 | The Nelson Model Aero Club, Murray Irvine | | | | 12-08-20 | | 25/08 from generic email address | 14/10 emailed | 11/11 from generic email address | 17/12 from generic email address |
| | Introduction email sent NWWTP | 13-07-20 | | | | | | | | |
| | Murray Irvine responded by email | 20-07-20 | to Paul Shattock | A2450620 | | | | | | |
| | Helen Brown sent thank you email | 23-07-20 | from generic email address | A2427519 | | | | | | |
| | Murray Irvine acknowledged meeting postponement | 25-08-20 | to the generic email address | A2450692 | | | | | | |
| 49 | Forest and Bird, Julie McLintock | | | | 12-08-20 | | 25/08 from generic email address | 14/10 emailed | 11/11 from generic email address | |
| 50 | Cawthron | | | | 12-08-20 | | 25/08 from generic email address | 14/10 emailed | 11/11 from generic email address | 17/12 from generic email address |
| | Introduction email sent NWWTP | 22-07-20 | from generic email address | A2427515 | | | | | | |
| | Andrea, Peter Cameron email response | 22-07-20 | to the generic email address | | | | | | | |
| | Helen Brown sent thank you email | 23-07-20 | from generic email address | A2427518 | | | | | | |
| 51 | NMDHB | | | | 12-08-20 | | 25/08 from generic email address | 14/10 emailed | 11/11 from generic email address | 17/12 from generic email address |
| | Introduction email sent NWWTP | 13-07-20 | from generic email address | | | | | | | |
| | Geoff and Sonya email response | 14-07-20 | to Paul Shattock | A2450603 | | | | | | |
| | Helen Brown sent thank you email | 23-07-20 | from generic email address | A2427522 | | | | | | |
| | Geoff responded by email | 12-08-20 | to the generic email address | A2440760 | | A2440760 | | | | |
| | Helen Brown sent thank you email | 13-08-20 | from generic email address | A2440760 | | | | | | |
| 52 | Clifton Terrace School | | | | 12-08-20 | | 25/08 from generic email address | 14/10 emailed | 11/11 from generic email address | 17/12 from generic email address |
| | Introduction email sent NWWTP | 13-07-20 | from generic email address | | | | | | | |
| | Rob Wemyss, Principal email response | 29-07-20 | to the generic email address | A2431253 | | | | | | 17/12 from generic email address |
| | Helen Brown sent thank you email | 30-07-20 | from generic email address | A2431253 | | | | | | |
| 53 | Hira School | | | | 12-08-20 | | 25/08 from generic email address | 14/10 emailed | 11/11 from generic email address | |
| 54 | Atawhai Playcentre | | | | 12-08-20 | | 25/08 from generic email address | 14/10 emailed | 11/11 from generic email address | |
| 55 | Nelson Yacht Club | | | | 12-08-20 | | 25/08 from generic email address | 14/10 emailed | 11/11 from generic email address | |
| 56 | Tasman Bay Cruising Club | | | | 12-08-20 | | 25/08 from generic email address | 14/10 emailed | 11/11 from generic email address | |



14 October 2020

Civic House, 110 Trafalgar Street
PO Box 645, Nelson 7040, New Zealand

P (03) 546 0200
E NWWTPconsent@ncc.govt.nz
nelson.govt.nz

Name
Address 1
Address 2
Address 3 and Postcode

Dear **Salutation**

**Stakeholder Meeting -
Nelson North Wastewater Treatment Plant Resource Consent Project
6pm to 7.30 pm – Tuesday 17 November 2020
Wakapuaka Hall - 460 State Highway Six, Main Road Wakapuaka, Nelson**

We would like to invite you to a meeting with council staff and contractors to talk about the Nelson North Wastewater Treatment Plant (NWWTP) Resource Consent Project. This will also be an opportunity for you to let us know your thoughts about the project and for you to raise any concerns that you may have.

The existing resource consents for the NWWTP expire in December 2024. We are starting the conversation with our partners and key stakeholders now, to make sure everyone's views are taken into consideration.

The meeting will provide a brief background of the treatment plant and an overview of the resource consent project.

We would like to hear from you to understand what your interest is in the NWWTP and the surrounding area. If you have any information that would provide additional insights about the surrounding area, local habitats, historical / cultural areas of interest, then we are happy for you to bring these to this meeting or provide them to us to help inform the project.

We hope to see you there.

Kind regards,

Helen Brown
Project Manager

From: Lionel Solly [mailto:redacted]
Sent: Tuesday, 29 September 2020 2:43 PM
To: Helen Brown
Cc: Halder, Kathryn; Warren Biggs
Subject: RE: 2877 Nelson City Council - NWWTP Resource Consent Project

Thanks Helen, that's a good record. I've suggested a few minor amendments below, apologies if I wasn't clear enough at the time!

Regards

Lionel

From: Helen Brown <redacted>
Sent: Tuesday, 29 September 2020 10:26 am
To: Lionel Solly <redacted>
Cc: Halder, Kathryn <redacted>; Warren Biggs <redacted>
Subject: 2877 Nelson City Council - NWWTP Resource Consent Project

Good Morning Lionel,

It was good to meet you last Tuesday. Below are some notes of our meeting for reference. We will be in touch shortly with answers to questions and some documentation for your review.

Actions:

1. Helen/Kathryn to send a copy of the long list of alternatives for your review and comment please
2. Helen to follow up on NCC Nelson Nature project with Leigh Marshall
3. Helen to find out if there is an easement for the pipeline under the Boulder Bank

Notes of discussion:

- DoC's resource management team is in Christchurch and Hamilton – if the consent is notified, it will be sent there. Lionel will provide advice to DOC's RM team
- DOC did put in a submission on Bells Island concerning the term of consent
- There is currently a volunteer trapping programme happening on the Boulder Bank mainly targeting vermin **rats, stoats and weasels**
- ~~DOC don't do a lot of ecological surveys on the area but are involved with Councils Nelson Nature project – Helen to follow up with Leigh Marshall~~

- DOC don't do bird counts of the surrounding Wakapuaka Sandflats or Boulder Bank **but some surveys have been done through Councils Nelson Nature project – Helen to follow up with Leigh Marshall.** Note that the main nesting areas are further down the Boulder Bank towards the lighthouse. It was noted that the Haven area adjacent to Boulder Bank drive is the last area to receive water at high tide and some birds can be seen foraging in the muds here when the rest of the Haven is covered.
- DOC have been involved with the Nelson Plan project as a key stakeholder. Particular interest in the coastal hazards section.
- DOC have a strong interest in the Marine Reserve north east of the site along the coastline at Glenduan and ensuring the WWTP does not adversely affect this area.
- DOC haven't heard any issues with the outfall and the discharge
- The Coastal Marine area **Boulder Bank** has high heritage / cultural values ~~with the Boulder Bank itself being~~ **and is** geologically important
- DOC accept that there is unlikely to be much change to the existing plant for this consent. DOC would like to be involved in the long term strategy
- The WWTP ponds and wetlands are on the flight path to the airport. The ponds draw birds to the area ~~who~~ **which** otherwise wouldn't ~~nest~~ **congregate** there.
- DOC have thoughts around restoration of the conservation land area marked in black below. Potentially letting in seawater to recreate the natural salt water habitat. This area is currently managed through tide gates which prevents tidal inundation and two modified streams drain freshwater through the site. It was noted that a balance is needed between ensuring stormwater from the surrounding hillsides can discharge through this area without causing flooding in the wider catchment and recreating the estuarine mudflat and saltmarsh wetland area. Better understanding of surface water and groundwater flows through this area is important.
- Issue with wetlands planting die back was explained – DOC do not have an interest in planting in the wetlands or the configuration of the plant.
- Greater priority for DOC is in improving the conservation land / Wakapuaka Sandflats rather than the **WWTP** wetlands but noted that other key stakeholders may place more value on the restoration of the wetlands.
- DOC are also interested in the remediation of the site when the treatment plant moves in future and potentially returning more of the area back to natural estuarine mudflat and saltmarsh wetland habitat
- DOC reinforced their close relationship with iwi and working together – DOC must give effect to the Treaty principles within the treaty settlement legislation and Conservation Act
- **This part of the Boulder Bank does not have any statutory iwi acknowledgements (there are statutory acknowledgements over part of the Boulder Bank at the Glen)**
- All 8 iwi will have an interest in **and statutory acknowledgements over the coastal marine area; and there are several overlapping claims for customary title or customary protected rights over** ~~they have customary rights for~~ Tasman Bay
- DOC have an interest in seeing the dispersion modelling in the Bay
- DOC are not supportive of having any engineered protection structures on the Boulder Bank



Kind Regards

Helen Brown

Project Manager

Nelson City Council | Te Kaunihera o Whakatū

P 03 539 5509 | M

nelson.govt.nz



Civic House, 110 Trafalgar Street
PO Box 645, Nelson 7040, New Zealand

12 November 2020

P (03) 546 0200
E NWWTPconsent@ncc.govt.nz
nelson.govt.nz

Name

Address 1

Address 2

RD1

Nelson 7071

Dear

**Stakeholder Meeting -
Nelson North Wastewater Treatment Plant Resource Consent Project
6pm to 7.30 pm – Tuesday 17 November 2020
Wakapuaka Hall - 460 State Highway Six, Main Road, Wakapuaka, Nelson**

We would like to remind you of the meeting with council staff and contractors to talk about the Nelson North Wastewater Treatment Plant (NWWTP) Resource Consent Project. This will also be an opportunity for you to let us know your thoughts about the project and for you to raise any concerns that you may have.

The existing resource consents for the NWWTP expire in December 2024. We are starting the conversation with our partners and key stakeholders now, to make sure everyone's views are taken into consideration.

The meeting will provide a brief background of the treatment plant and an overview of the resource consent project.

We would like to hear from you to understand what your interest is in the NWWTP and the surrounding area. If you have any information that would provide additional insights about the surrounding area, local habitats or historical / cultural areas of interest, then we are happy for you to bring these to this meeting or provide them to us to help inform the project.

If you expect to be attending, please let us know by phoning Lynda Ramage, Administrator on 03 546 0332 by Monday 16th November.

Kind regards,

Helen Brown

Project Manager

Nelson North Wastewater Treatment Plant (NWWTP) Resource Consent Project

Key Stakeholder Meeting 17 November 2020 6pm
Wakapuaka Hall

Notes of the meeting document A2527933

This document was circulated to the following contact on 17/12/2020

Mike and Debbie Thomas ([REDACTED]),

June Wall ([REDACTED]),

Rosemary Cooke ([REDACTED]),

Carol Parton ([REDACTED]),

Peter Fisher (Cawthron),

Tony Singleton ([REDACTED])

Clifton Terrace School

Model Aero Club

The Department of Conservation

Nelson Marlborough District Health Board

Friends of the Haven

Les Hollyman , [REDACTED]

Andrew Newton, [REDACTED]

Nelson North Wastewater Treatment Plant (NWWTP) Resource Consent Project

Key Stakeholder Meeting 17 November 2020 6pm
Wakapuaka Hall

Key Stakeholders present: M & D Thomas, J Wall, R Cooke, C Parton, Cawthron representative, T Singleton

Council staff present: Warren Biggs (Activity Engineer, Wastewater) David Light (Manager Utilities) Paul Shattock (Manager Community Engagement) Rebecca Dawkins (Team Leader Capital Projects) Eddie Powick (Team Leader Utilities) and Councillor Brian McGurk

Lead consultant: Kathryn Halder (Senior Environmental Scientist, Stantec)

Background:

Nelson City Council holds resource consents for the development and operation of the Nelson North Wastewater Treatment Plant, including the discharge of treated wastewater to land and the coastal marine area. These consents expire in December 2024, and the process of preparing a new consent application is underway.

As part of the consenting process, Council will investigate alternative options for the management of wastewater in the region. This involves weighing up the pros and cons of a range of alternatives against cultural, social, environmental, technological and economic considerations. The outcome of this assessment will be a resource consent application for the “best practicable option” for our community and the receiving environment (Tasman Bay).

To do this, Council will partner closely with Te Tau Ihu iwi, engage key stakeholders and keep the wider community informed.

56 key stakeholders have been identified, these include local residents and local interest groups. Council plans to meet with individual stakeholders as well as holding collective stakeholder meetings as the project progresses.

This document is a record of the first collective key stakeholder meeting held in relation to this project.

Meeting Notes:

15 min Presentation made by the project team

- **Introduction:** – Paul Shattock
- **History of the treatment plant and background presentation:** – David Light
- **How the plant works:** – Warren Biggs
- **Assessment and monitoring:** – Kathryn Halder

Open Discussion and question time - Questions from the public (bold) and responses (not bold):

- **How do you gauge what is a minor effect?**

A lot of criteria is used, including the impact on the receiving environment. Important aspects include:

Is the effect on receiving environment significant?

What does the data say?

Each assessment is made by technical staff who are experts in their specific fields.

- **What is the capacity of the plant?**

Adequate for the current urban population contributing to it (25,000 people) with capacity for more into the future (the original design undertaken in 2004 had a design horizon of 2050). Future growth projections are being used to inform the assessment of alternatives and what may be needed in the future.

- **Any plan to move the plant further north?**

This needs to be reviewed over the next LTP. It is important to note that the impacts from climate change need to be understood. Sea Level rise needs to be considered as well as reducing carbon emissions and possibly improving discharge quality.

Council need to understand what the future looks like in 100 years' time for all wastewater assets (NWWTP, Bell Island WWTP, pump stations, pipes and rising mains etc.) and what that means for treatment of wastewater in the future and whether a new wastewater treatment plant, in a new location, is needed.

Based on knowledge of similar processes elsewhere in the country, if a decision was made to move the plant, it is likely to be a 20 year process.

It is expected that we will need an alternative to the existing WWTP in the next 50 years and we are planning for the future. In the short to medium term it is highly probable the NWWTP will be staying where it is but may include additional treatment processes or discharge alternatives identified through the assessment of alternatives process.

- **How long before the upgrade is needed?**

Upgrades will happen gradually (to meet regulatory requirements and community expectations).

There may be more efficient ways (higher tech/more intensive processes) of dealing with higher capacity needs than footprint expansion.

- **Are there options on the table (for new treatment processes/location)?**

Not yet, starting with a blank sheet, everything needs to be considered.

- **What happened to the Sludge (from the geobags stored on site)?**

Removing sludge provides more capacity. The sludge was dredged and stored in geobags where it was able to dewater (drain) and dry out. The geobags were then disposed to landfill. Geobags were used when Pond One was de-sludged. 50-100mm of sludge was left in the bottom of the pond. First time it has been de-sludged in 30 years. Planning is being done around whether de-sludging is needed at Pond Two.

- **Why has some of the site been fenced, will the rest be fenced? The site is a nice place for a walk?**

Unfortunately, a little boy gained access to a WWTP in Gore 3 years ago and drowned. Due to this incident, fencing around the concrete oxidation ponds (which have steeper sides and harder to get out of) has been installed and we are reviewing what needs to happen at the wetlands and whether gated access to this area is an option.

- **Are there things that break down the sludge?**

There is often more things in the pond than sludge, i.e. a deer head was found in the previous desludging operation. Most of the sludge (extracted through the day to day operation) is dewatered and taken to Bells Island as bio solids. Cost often gets in the way of more intensive treatment of sludge.

- **Is there anything being tried to reduce sludge?**

Investigations are underway. Alternatives for sludge management will also be considered as part of the assessment of alternatives process.

- **What data is coming from the Buoy?**

The buoy needs to be retrieved from its mooring before the data can be accessed. It will only be in place for a few months.

- **What upgrades are happening on the other infrastructure?**

We are planning to renew the rising main from the city centre to the plant. This 900mm dia rising main has historically suffered from hydrogen sulphide corrosion, which can cause leaks. The new route for the replacement pipe has not been chosen. Corder Park and Neale Park Pump stations have been upgraded to manage pressure on the pipeline, this is helping to reduce the likelihood of breaks on this critical asset.

The City is undertaking a large asset renewal programme to get ahead of the large amount of renewals required in the near future (as a large proportion of these assets are approaching the end of their design life).

- **Any plans to bring a pipeline north and pick up houses on septic systems?**

A Long Term Plan submission is the opportunity to make a case for this. The LTP submissions process is a really good opportunity for concerned members of the public to engage through the LTP process.

- **Any plans to remove the access road to extend the wetland/remove the barrier to tidal ingress?**

Not yet as the rising main is in the road and there is no other access to the site.

- **Does NCC own other land in the area?**

A small parcel next to the ponds to the North is owned by Council. Other landowners in the area are private, and include Cawthron and Wakatu Corporation.

- **Are you looking at extending conservation wetland areas?**

It's too early to say - there are a lot of new treatment processes available and they all need to be considered as part of the process.

- **Are you considering the impact that the outfall has on wave action and potentially the erosion of the boulder bank?**

The movement of discharges from the outfall within the Tasman Bay and their potential impact is being considered as part of the wider hydrodynamic modelling work being completed. This will be based on the data that is currently being collected by the monitoring buoy in the bay.

Meeting Closed at 6.55pm with 10 minutes of social contact after.

As requested, notes of the meeting to be circulated to:

Clifton Terrace School

Model Aero Club

The Department of Conservation

Nelson Marlborough District Health Board

Friends of the Haven

Two local residents



Nelson North Wastewater Treatment Plant (NWWTP) Resource Consent Project

Public / Stakeholder Meeting
17 November 2020 – Time 6.00 pm

Nelson City Council & Stantec Consultants

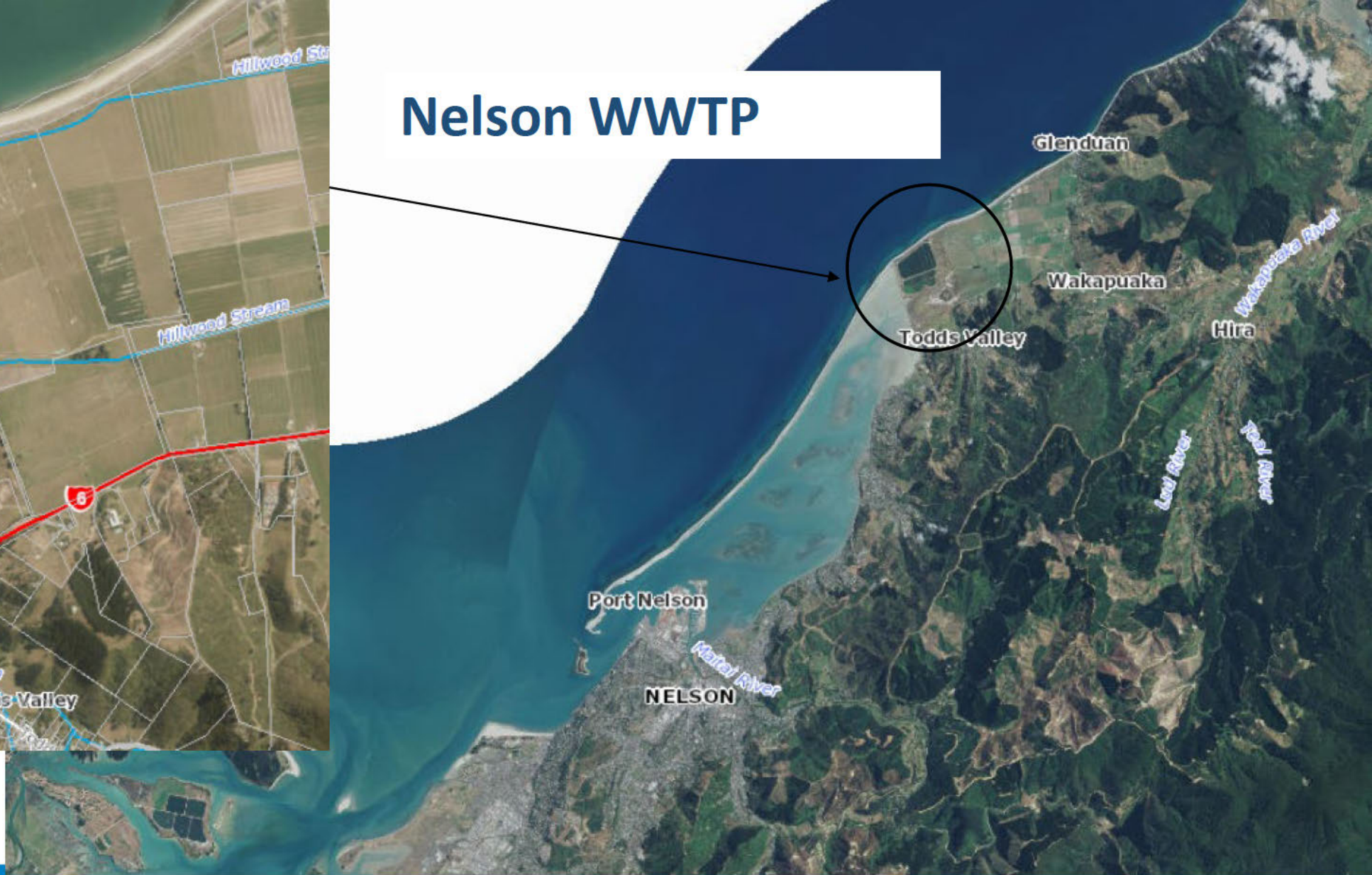


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Nelson WWTP





NWWTP Overview



Outfall construction 1969

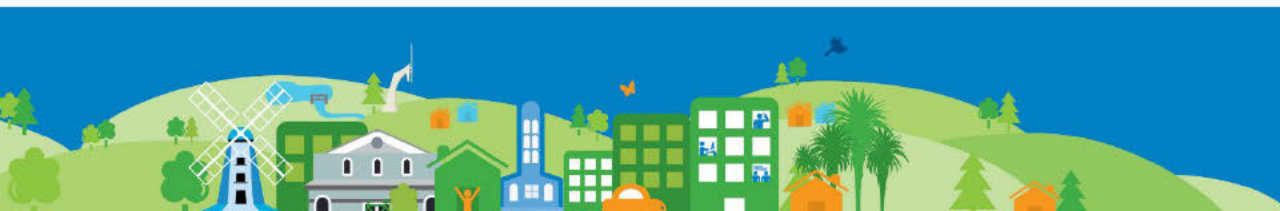


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Project Overview

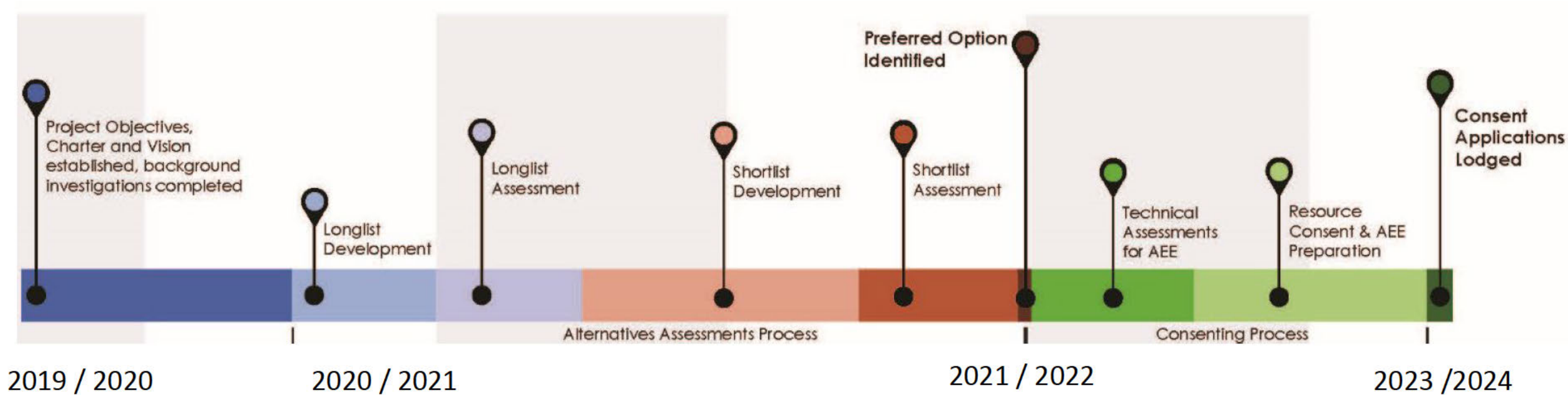


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Timeline



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Project Vision supported by Project Objectives

Management of the city's wastewater incorporating a Best Practicable Option (BPO) approach to enable growth, protect and enhance the environment and contribute to improving the health and mauri of Tasman Bay and Nelson Haven.





How The Plant Works





Environmental Assessments and Monitoring



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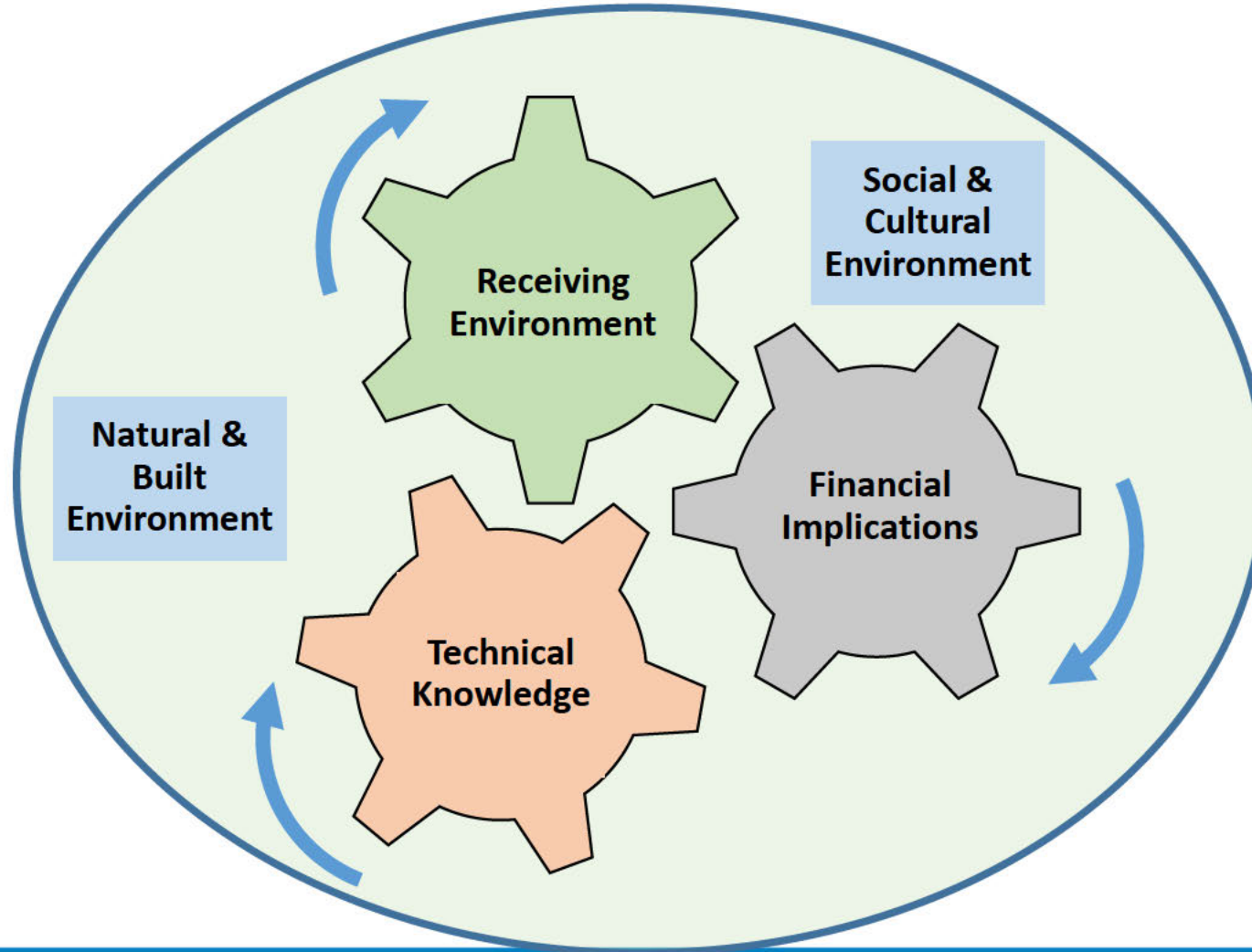
 Nelson City Council
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Statutory and Other Wider Considerations



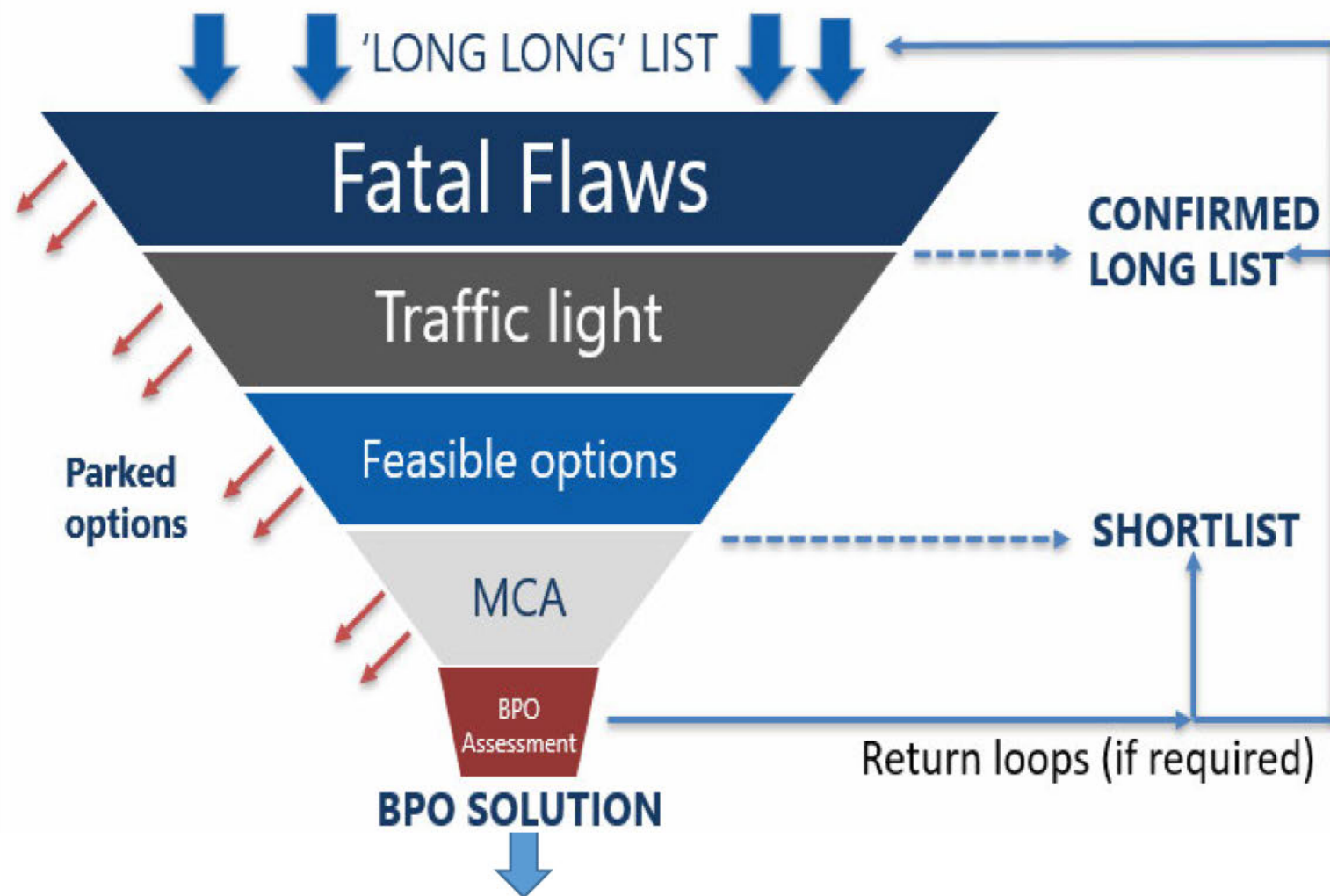


Best Practicable Option (BPO)





Alternatives Assessment – Sieving Approach





Discussion & Questions





<https://shape.nelson.govt.nz/>



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From: [Helen Brown](#)
To: [Kathryn Halder](#); [Rhys Barrier](#)
Subject: 2877 NWWTP Meeting notes Fish & Game 8 April 2021
Date: Tuesday, April 27, 2021 1:42:00 PM

Good afternoon Rhys and Kathryn,

Please find below, notes of our meeting a few weeks ago. Apologies for the delay in getting the notes out.

Please let me know if there is anything you'd like to change and please note the actions section at the front.

Rhys, it would be good to get the bird count from Lawson please. We will be speaking to Iwi shortly so will mention the pukeko discussion.

2877 NWWTP Notes of meeting with Fish & Game, 8 April 2021, 1-2pm

Rhys Barrier, Kathryn Halder, Helen Brown

Actions and agreements:

1. NCC will make a connection with F&G and local iwi groups to offer the culled pukeko birds.
2. F&G's Lawson will provide bird count data to NCC
3. Rhys will provide a letter to NCC in support of the existing wetlands
4. KH will talk to the wider Stantec team about the Rotorua trials. Collingwood also has floating structures.

Notes of discussion:

5. Discussions around the current state of the wetlands and options for replanting. RB notes that the planting provides good habitat for nesting birdlife. Rotorua Lakes have tried floating islands. Approximately 35 nesting broods in the NWWTP area. The concrete ponds at Bells Island don't offer protective planting cover for ducklings.
6. KH – NCC has done various planning trials since 2013, nothing has thrived to date
7. Fish and Game don't have an interest in the WW discharge to the CMA. F&G supportive of the wetlands as they are at present, provide a good habitat for birdlife.
8. The hunting zone has been reduced into a smaller area. F&G would like to keep the hunting area going as long as it's feasible.
9. F&G have to do an annual pukeko cull in that area. They cause problems for the farmers. Can often be 3-400 birds in that area. F&G could offer the culled birds to local iwi. Pukeko not popular with hunters. The hunting area may fall into disuse when the cycle path gets completed.
10. F&G have to cull Canadian Geese. Black swans can also be a problem on the airport flight path
11. There are no protected birds in the area
12. RB – bird species in the area are; great teals, scaupe, bitterns, grey herons, native grey duck, mallard, shoveler duck, paradise shelduck

13. RB – waste water environment not conducive for fish life. Some fish in streams that have washed in from the Haven. Likely to be eels though.
14. RB – there were historic plans to create a wetlands in the sandflats area.
15. RB – iwi likely to prefer land application to discharge to CMA
16. KH – Iwi working group with reps from the 3 Waka currently working with the project. They will undertake cultural health indicator monitoring shortly.
17. KH – the long term wastewater treatment strategy may be one plant for the whole region (taking in Bells Island) NCC has a separate project to investigate the long term strategy
18. KH – runs through the attached presentation
19. F&G have been monitoring shoveler ducks for around 25 years, Mallards for only 5 years
20. F&G don't have interest in fish in the ocean, this is MPI's responsibility. It's generally too warm for salmon in the rivers.

Kind Regards,
Helen Brown
Project Manager

Nelson City Council | Te Kaunihera o Whakatū
M 021 0850 6298
nelson.govt.nz

Louise Morten

From: Jonny Edmonds
Sent: Thursday, November 9, 2023 9:09 PM
To: Lionel Solly
Subject: NWWTP Resource Consent
Attachments: DOC Letter 2023.pdf; Table of Contents NWWTP Resource Consent Application and Supporting AEE_ DRAFT.pdf

Importance: High

Kia ora Lionel,

Back in September 2020 we spoke with you as a key stakeholder about our plans to update the resource consent for the Nelson North wastewater treatment plant (NWWTP).

The existing resource consents for any discharges to land, air, water, and the coastal marine area are due to expire on 1 December 2024. Council is aiming to apply for a new series of Resource Consents in December 2023.

Council has now considered options and determined a best practicable option for the resource consent. A draft Resource Consent Application and Assessment of Environmental Effects (AEE) report has been prepared for the continued operation of the NWWTP at its current location.

Over the coming weeks we are engaging with Key stakeholders to offer the opportunity for a catch up/ meeting to discuss this application.

I have also attached a copy of the table of contents of the AEE and supporting technical assessments so you can see the detail included within the draft application and we can focus the meetings to the key areas that your individual organizations are interested in.

Feel free to contact me with any questions or a request for a suitable meeting date, I look forward to hearing from you.

Ngā mihi / Thanks

Jonny Edmonds
Project Manager-Capital Projects
Kaiwhakarite Kaupapa

Nelson City Council | Te Kaunihera o Whakatū
P 03 539 5597
nelson.govt.nz

Louise Morten

From: Jonny Edmonds
Sent: Thursday, November 9, 2023 9:17 PM
To: [REDACTED]
Subject: NWWTP Resource Consent
Attachments: Table of Contents NWWTP Resource Consent Application and Supporting AEE_ DRAFT.pdf; NMDHB.pdf

Kia ora Sonya, Geoff

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Ref: **NWWTP Resource Consent Renewal**

Civic House, 110 Trafalgar Street

PO Box 645, Nelson 7040, New Zealand

9th November 2023

P (03) 546 0200

E NWWTPconsent@ncc.govt.nz

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NMDHB

Kia ora NMDHB,

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A long-term testing programme has started to determine if further pathogen (germ) removal (potentially via UV treatment) is needed. If the testing shows that it is needed, then we expect to upgrade the plant within 5-10 years to include additional pathogen treatment.

As a key stakeholder, and neighbour to the NWWTP, we would be like to meet with you again to run through the latest update on the project. We have attached a copy of the table of contents of the AEE and supporting technical assessment. If there is any of the technical assessments you would like to see before our meeting, please let us know.

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From: Jonny Edmonds
Sent: Thursday, November 9, 2023 9:43 PM
To: [REDACTED]
Subject: NWWTP Resource Consent
Attachments: Table of Contents NWWTP Resource Consent Application and Supporting AEE_ DRAFT.pdf;
Forest & Bird.pdf

Kia ora Julie

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Nelson City Council | Te Kaunihera o Whakatū

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From: Jonny Edmonds
Sent: Thursday, November 9, 2023 9:38 PM
To: [REDACTED]
Subject: NWWTP Resource Consent
Attachments: Table of Contents NWWTP Resource Consent Application and Supporting AEE_ DRAFT.pdf; Fish & Game.pdf

Kia ora Rhys

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Fish & Game

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Nelson City Council | Te Kaunihera o Whakatū

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From: Jonny Edmonds
Sent: Thursday, November 9, 2023 9:25 PM
To: [REDACTED]
Subject: NWWTP Resource Consent
Attachments: Table of Contents NWWTP Resource Consent Application and Supporting AEE_ DRAFT.pdf;
Cawthron.pdf

Kia ora Peter, Cameron

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Cawthron

Kia ora Cawthron

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Louise Morten

From: Jonny Edmonds
Sent: Friday, November 10, 2023 9:53 AM
Subject: NWWTP Resource Consent Application
Attachments: Meeting Invite Stakeholders.pdf

Tēnā koutou katoa,

You're invited to a Community and Stakeholder Meeting to discuss the Nelson North Wastewater Treatment Plant Resource Consent Project.

Date: Tuesday 21 November 2023

Time: 6:00 pm to 7.30 pm

Location: Wakapuaka Hall - 460 State Highway 6, Main Road, Wakapuaka, Nelson

If you would like to attend the meeting on Tuesday 21 November 2023, then please RSVP to NWWTPconsent@ncc.govt.nz or call 03 546 0200.

We look forward to hearing from you.

Ngā mihi / Thanks

Jonny Edmonds

Project Manager-Capital Projects
Kaiwhakarite Kaupapa

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nelson.govt.nz



our.nelson.govt.nz | shape.nelson.govt.nz | facebook.com/nelsoncitycouncil | [@nelsoncitycouncil](https://instagram.com/nelsoncitycouncil)

Louise Morten

From: NWWTP Consent Project
Sent: Tuesday, November 14, 2023 9:04 AM
To: Jonny Edmonds
Subject: FW: Meeting at Wakapuaka Hall

Cheers,
Warren

From: Debbie Thomas [REDACTED] >
Sent: Saturday, 11 November 2023 2:06 pm
To: NWWTP Consent Project <NWWTPconsent@ncc.govt.nz>
Subject: Meeting at Wakapuaka Hall

CAUTION: External email.

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Hi Jonny

Just to let you know there may be 3 of us attending the meeting from 250 Wakapuaka Road on the 21st at the Wakapuaka Hall.

--

Regards

Debbie & Mike Thomas

[REDACTED]

Louise Morten

From: nmac information [REDACTED]
Sent: Tuesday, November 14, 2023 9:07 PM
To: Jonny Edmonds; NWWTP Consent Project
Cc: Nmac Secretary
Subject: Re: NWWTP Resource Consent Application

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Hi Jonny

Thanks for getting in touch with the Nelson Model Aero Club (NMAC) and for providing information on the wastewater consent project and for the invite to the stakeholder meeting on 21 November. Unfortunately we have no committee officers available to attend on the date - would you please enter our apologies at the meeting.

Please continue to keep us informed and updated on activities and planned initiatives in the area, we really appreciate the information and the opportunity to contribute to discussions affecting the Wakapuaka area.

Regards

Murray

Murray Irvine: Secretary
[REDACTED]

From: Jonny Edmonds <jonny.edmonds@ncc.govt.nz>
Sent: Friday, 10 November 2023 9:53 am
Subject: NWWTP Resource Consent Application

Tēnā koutou katoa,

You're invited to a Community and Stakeholder Meeting to discuss the Nelson North Wastewater Treatment Plant Resource Consent Project.

Date: Tuesday 21 November 2023

Time: 6:00 pm to 7.30 pm

Location: Wakapuaka Hall - 460 State Highway 6, Main Road, Wakapuaka, Nelson

If you would like to attend the meeting on Tuesday 21 November 2023, then please RSVP to NWWTPconsent@ncc.govt.nz or call 03 546 0200.

We look forward to hearing from you.

Ngā mihi / Thanks

Jonny Edmonds

Project Manager-Capital Projects
Kaiwhakarite Kaupapa

NWWTP Resource Consent Renewal Stakeholder Meeting Notes

Department of Conservation

Contact: Lionel Solly – Senior Ranger, Community

16th of November 2023- 9:30am

- BPO Options were discussed including Iwi position and their view on the current location.
- **NWWTP Wetland Project**- This was brought up as the question was asked as to how improving the planting around the surrounding area was occurring. Lionel mentioned DOC had a Project called “Carbon Capture Project” had been happening in the opposite DOC land area. (Potential to work together)

TNC NZ plots for blue carbon potential



Cowthron Institute Staff Nick Hearn and Courtney Moir setting up a blue carbon sample plot at Wakapuaka Flats near Nelson. Image: ©C.Crick/TNC

TNC NZ's pilot project to investigate the potential of coastal wetlands to store carbon, provide rich biodiversity habitats and offer carbon credits has moved into the operational phase, as work starts to establish sample plots at key coastal locations.

“Blue carbon” is the carbon captured and held in marine ecosystems. Coastal wetlands such as mangroves, saltmarshes, and seagrass meadows are now being recognised as potential carbon sinks, with added benefits for habitat restoration and biodiversity.

Through engagement and partnerships with landowners, iwi, Councils and central government agencies, TNC NZ is working across seven blue carbon pilot sites in Northland, Kaipara, Waikato, Bay of Plenty, Nelson and Tasman.

Field sampling and modelling began in August this year, with the sites in Nelson and Golden Bay being among the first to be set up. Data collected will contribute to TNC's Global Blue Carbon Programme.

Two of the pilot projects are being used by The Nature Conservancy as case studies to support the development of a framework for trade-able 'Resilience Credits' which could be claimed for projects that reduce the risk of impacts of climate-related hazards and natural disasters on communities by restoring or preserving specific coastal ecosystems.

“Coastal wetland restoration presents an opportunity to create meaningful investment opportunities based on carbon sequestration, biodiversity and habitat restoration and environmental resilience,” says Olya Albot, TNC NZ's Blue Carbon Programme Manager.

TNC NZ is partnering with government to investigate the policy barriers to, and enablers of, a potential coastal wetland blue carbon credit scheme in Aotearoa NZ.

“This research will help us understand the policy settings needed to help support the emergence of a national blue carbon credit scheme, which could change the carbon credit landscape in New Zealand,” says Olya.

- Question raised: If Council had accounted for population growth including the proposed plan 29 intensification, whether the plant could handle the capacity. NCC have taken this into account and the proposed 35-year timeline of consent has accounted for these numbers.
- Question Raised: Flood events & climate change (sea level rising) the future impact on this and the current location/site over the 35-year consent period? T&T modelling shows everything being acceptable and ok within this period.

Lionel had no other questions or concern regarding overall Resource Consent & anything regarding the current location.

Louise Morten

From: NWWTP Consent Project
Sent: Monday, November 20, 2023 7:16 AM
To: Jonny Edmonds
Subject: FW:

Morning Jonny

This is the only email since the aero club one I forwarded.

Cheers,
Warren

From: [REDACTED]
Sent: Saturday, 18 November 2023 9:11 am
To: NWWTP Consent Project <NWWTPconsent@ncc.govt.nz>
Subject:

CAUTION: External email.

Do not click links or open attachments unless you recognise the sender and know the content is safe.

Hi

Yes I'd like to attend Tuesdays meeting.

Regards

Carol

Louise Morten

From: [REDACTED]
Sent: Monday, November 20, 2023 8:04 PM
To: NWWTP Consent Project
Subject: Meeting Tues 21st

CAUTION: External email.

Do not click links or open attachments unless you recognise the sender and know the content is safe.

Hi,

I would like to confirm there will be 2 of us attending the NWWTP community meeting at the Waka hall on Tues 21st Nov.

Thank you
Regards Rachel Newton

Subject: 2877 Nelson City Council - NWWTP Resource Consent Project update with Scott
Burnett Forest and Bird 21 November 2023 12.30pm

Notes of discussion:

- Brief recap of NWWTP.
- Scott asked about an algae problem.
- Discussed the Resource Consent timeline and approach.
- Presented the alternatives that were considered.
- The key is creating more wildlife and birdlife.
- Whakatu Development Plans have gone quiet.
- Climate Modelling
- Tonkin & Taylor assessment of Natural Hazards.
- The wetlands planting will take place over the next two years, and is being treated as a separate project, but with overlap, to the Consent project.
 - Both parties agreed that the key for the wetlands project is creating more wildlife.

Actions:

- Kathryn to provide the volume of sludge per year to Scott.
- NCC to share the Cawthron results to Scott.

Nelson North Wastewater Treatment Plant (NWWTP)

Resource Consent Project

Key Stakeholder Meeting 21 November 2023 6pm
Wakapuaka Hall

Local Stakeholders present: 6 people attended, with names withheld for privacy reasons

Council staff present: Warren Biggs (Activity Engineer, Wastewater) Jonny Edmonds (Project Manager) Paul Shattock (Manager Community Engagement), Councillor Aaron Stallard, Louise Morten (Project Coordinator and note taker)

Lead consultant: Kathryn Halder (Senior Environmental Scientist, Stantec)

Background:

A similar stakeholder Meeting was held in November 2020 where Council staff shared its intent in relation to commencing the Nelson Wastewater Treatment Plant (NWWTP) resource consent renewal process and associated project. Since then, the project has progressed as outlined, assessing a wide a number and range of options culminating in the selection of the Best Practicable Option (BPO) and an Assessment of Environmental Effects (AEE) This document is a record of the second collective stakeholder meeting held in relation to this stage of the project.

Meeting Notes:

15 min Presentation made by the project team

- **Welcome & Karakia:** – Paul Shattock
- **Introduction:** - Warren Biggs
- **Resource Consent process with a brief recap on how the plant operates:** – Kathryn Halder
 - Alternatives considered, including discharge regimes
 - Technical Assessments
 - Best Practicable Option

Open Discussion and question time - Questions from the public (bold) and responses (not bold):

- **What is involved in the Cultural Assessment?**
NCC have been working with all 8 iwi, who now have access to all of the technical assessments. Iwi have until the end of February to complete and submit their Cultural Impact Assessment reports. NCC have been drawing on the Cultural Health Indicator report completed in December 2022 to inform the types of plants and locations for the wetlands planting.
- **What is the volume of the outfall?**
Between 5,000-8,000m³ on a dry day which can increase to 20,000+ m³ on a wet day. Within Nelson there are a number of older suburbs with stormwater pipes plumbed into the wastewater network. This results in Inflow and Infiltration into the network. Nelson's uses

an average of 225L per person a day on a dry day as per capita water usage for network design.

- **Do we now where those pipes are?**

400km of public pipe, plus a similar number of private. Many opportunities for unwanted ground or stormwater to get into these pipes.

- **What is the average operating costs of a Wastewater Treatment Plant? When was the pond last de-sludged.**

We don't have figures to hand but a reasonable figure would be approximately \$1,000,000 per year. The last time the ponds were de-sludged was in 2013,

- **Are there any plans to increase the area of the Treatment Plant?**

No – the footprint will not change as part of the current consent application.

- **Is any of the Wetland area fenced off?**

Yes, NCC has fenced off the site for operational health and safety reasons. There was a sad incident in Gore at their ponds several year ago..

- **Are there any Wastewater Treatment plants around New Zealand that don't discharge to sea?**

Yes, some discharge to land, however it is most common to discharge to sea as most of our population is on the coast. One example of discharging to land is in Te Anau where after a process of more than two decades they have installed sub-surface irrigation. It is likely that this option is more expensive due to operating costs and more pipes.

- **In Singapore there is a different method (not specified), could some of those principles be applied here?**

It is difficult to compare with Singapore as their population is so much denser, and has significantly more money to spend on infrastructure, but yes – those principles could be applied if budget was available.

- **Is it possible that NWWTP would be brought within the Emissions Scheme? Would it be a liability to NCC?**

Greenhouse gas (GHG) is being released straight to the air from the ponds - this is typical of wastewater treatment plants (WWTP).

If the balance of the WWTP is under-control, won't have the emissions? Hard to say; some processes emit less GHG but those processes will cost to install and operate.

- **Is there a breakdown of what comes out of the pipe and what is dispersed throughout out the bay?**

Testing has been completed, with analysis of the particles and where they dispersed to. That data is fed into NIWA's analysis of recreational use of the water. Pretty effective at this location. More work continues to understand the pathogen reduction through the NWWTP which will determine whether further treatment is required.

This will become available in Assessment of Environmental Effects which will be publicly released in mid-December and will be available on Shape Nelson.

- **When do we have to go through this RC process again?**

Under the Resource Management Act the longest time allowed is 35 years. This term for this Application will be decided at the Hearing. NCC's approach is to request 35 years which is Best Value for Money for ratepayers. For comparison, Bell Island Treatment Plant went through a similar Resource Consent Application three years ago, requesting 35 years, and 20 years was approved.

- **Based on Environmental outcomes is it better to discharge at certain times in the tide, i.e. outgoing?**

At the NWWTP it is not so impactful as we are on an open coastline discharging into a relatively stable body of water. The impact of time of discharge is far more significant in situations such as estuary discharges i.e. Bell Island WWTP.

- **How deep is it at 400m from coast?**

Approx. 20m, no more than 30m. At Bell Island Treatment Plant discharge is allowed on the outgoing tide only (due to lack of depth).

- **How often is water quality on the coast checked?**

Every 5 years we do a "Qualitative ecological survey" at the outfall diffuser. 5 yearly survey of the pipeline / diffuser and monthly testing of discharge parameters.

- **Are the assessments and results publicly available?**

The website <https://www.lawa.org.nz/>; which is regularly updated, contains information on publicly available water quality information.

- **How can the public view the Resource Consent application, once it has been submitted?**

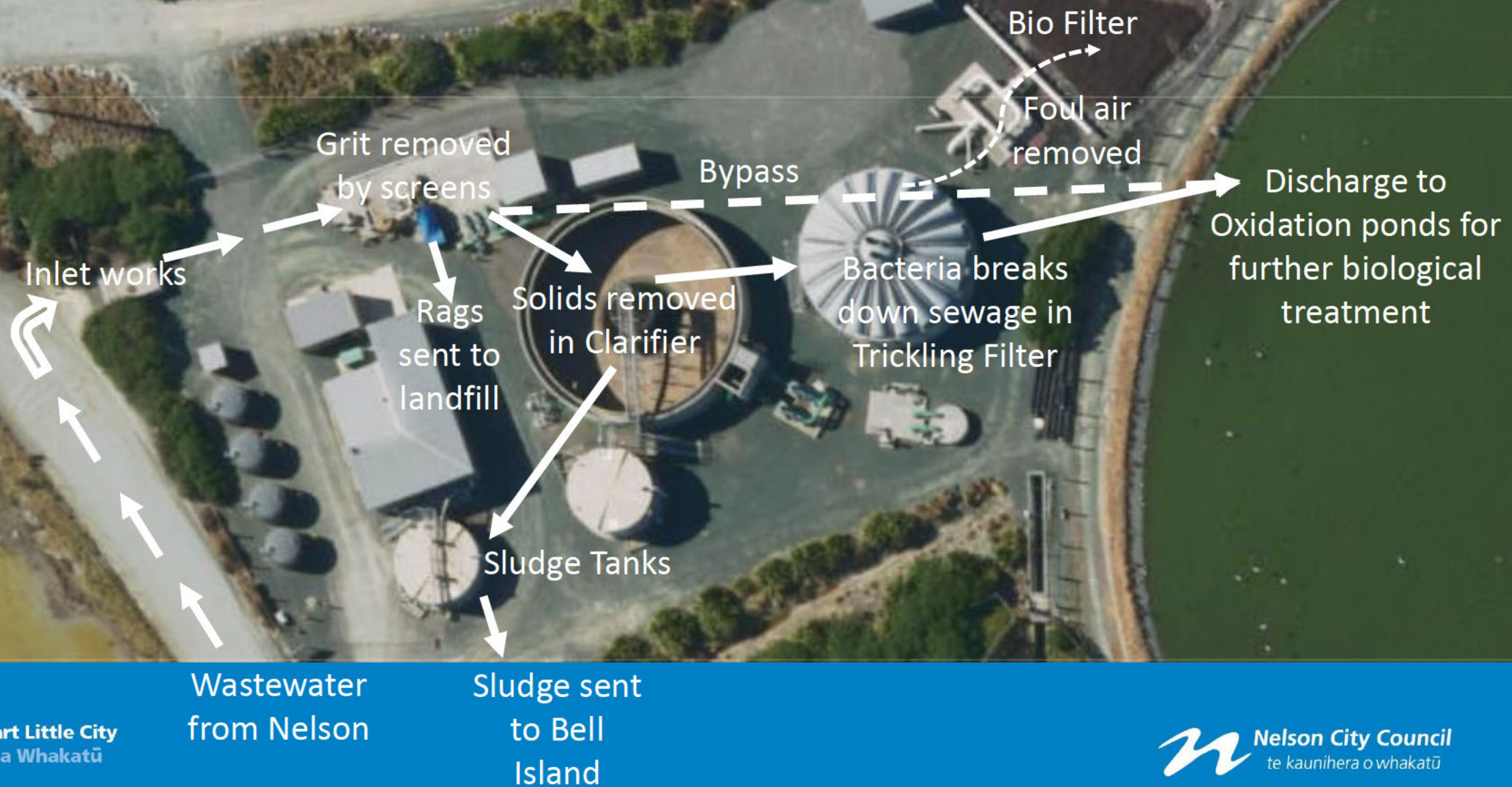
Information will be made available via the [Shape.nelson.govt.nz](https://www.shapenelson.govt.nz/) website, as well as the Our Nelson publication. The intention is that plenty of public information will be made available, with a focus being on open and transparent.

Meeting Closed at 6.50pm with 10 minutes of social contact after.

Nelson Wastewater Treatment Plant



NWWTP - current operations



NWWTP - current operations

Outfall

Discharge to
Oxidation ponds

Buffer area to
manage storm
events prior to
treatment

Circulation
around ponds
to allow for
biological
processes

Wetlands

Treated
wastewater spilt
between
wetlands

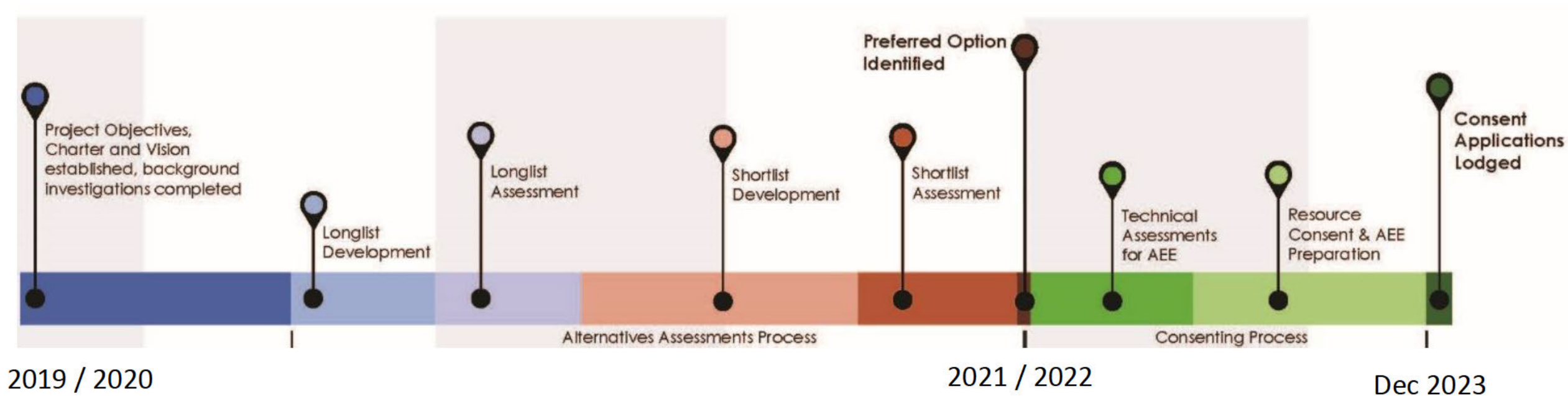
Current Compliance

- Discharge rates
- Total Suspended Solids
- 5 day Biochemical Oxygen Demand cBOD₅
- Faecal coliforms
- Metals
- Odour





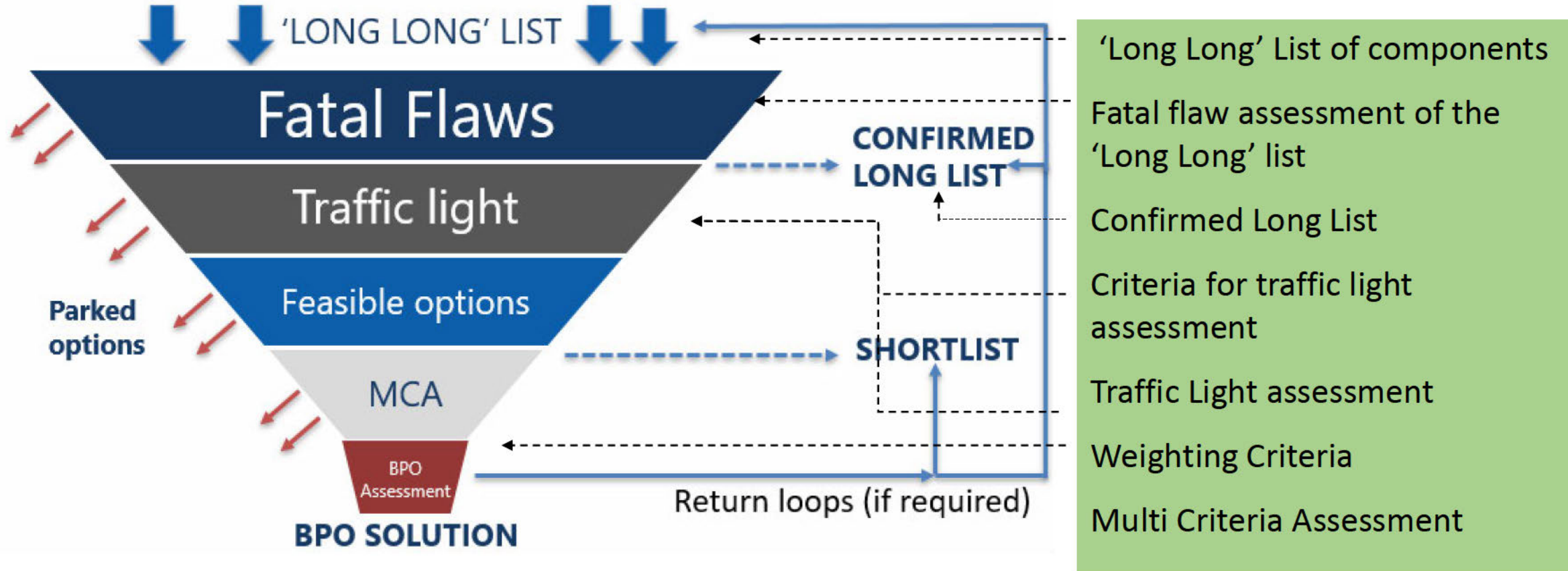
NWWTP Resource Consent Approach and Timeline





NWWTP - considering future options

Alternatives Assessment – Sieving Approach



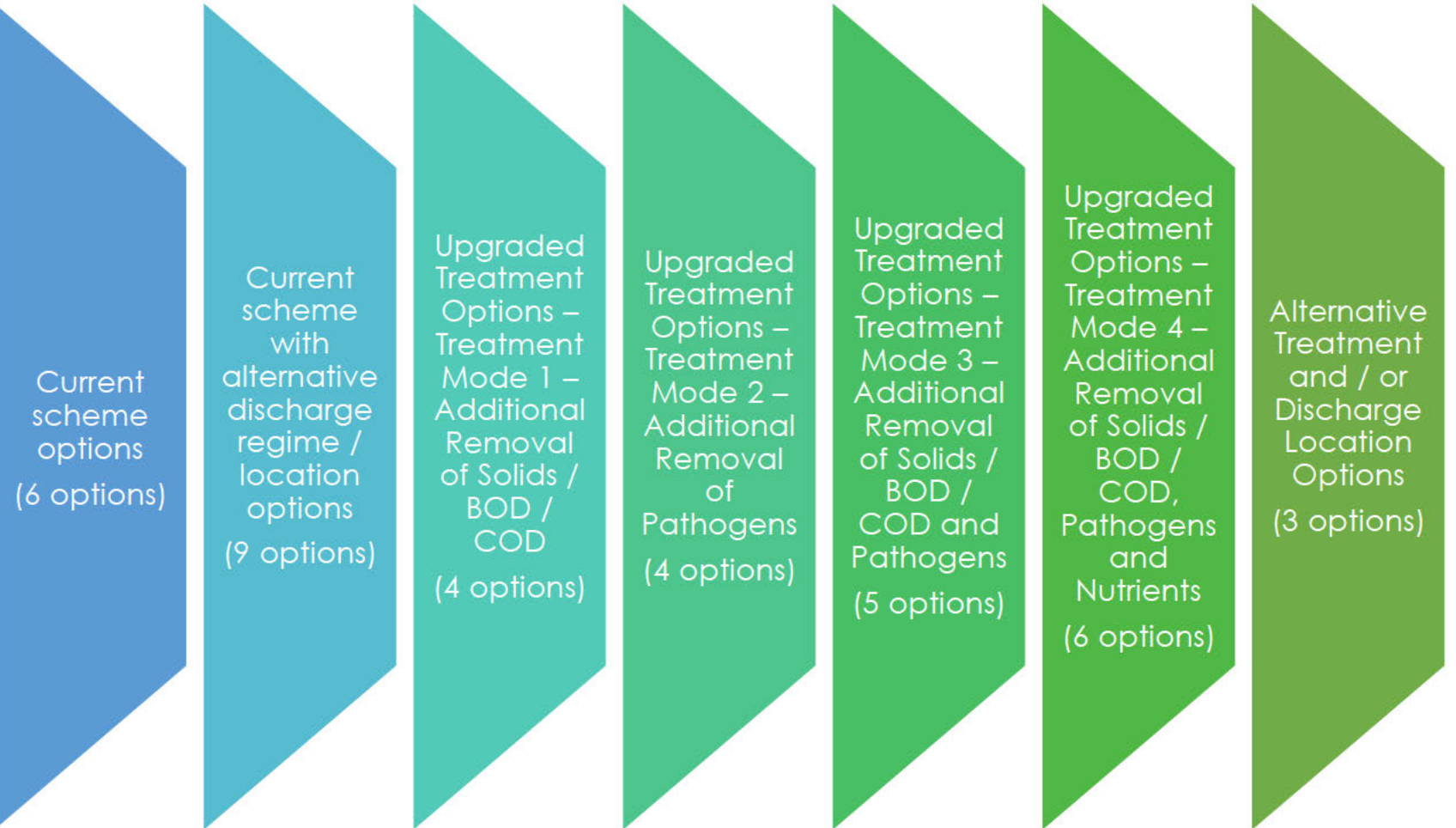


Key Alternatives Considered

Seven Total
Scheme
Categories

and

37 Options in
total within the
seven categories





Alternative Discharge Regimes Considered

- Land application options (forestry land)
- Land application options (Wakapuaka farmland)
- Managed aquifer recharge options
- Potable and non-potable reuse options
- Alternative treatment facilities - Bell Island WWTP
- Tasman Bay Marine outfall





NWWTP Resource Consent Technical Assessments

Process Capability Assessment

Natural Hazards, Climate Change
and Resilience

Assessment of effects on the
ecology of the land and stream

Land Application Alternatives Assessment

Assessment of odours and air discharges

Planning rules, policies and standards

Assessment of Alternatives

Cultural Health Indicator Reports

Assessment of effects on
groundwater quality

Assessment of effects on the coastal
marine environment (water quality,
mammals, benthic communities)

Pipe and new modern diffuser
upgrade - concept design

Emerging Contaminants
and micro plastics

QMRA- Assessment of risks to
human health and shellfish
gathering

Assessment of effects on
freshwater quality

Hydrodynamic modelling of
dispersion and dilution of
discharges

NWWTP Resource Consent Application – Best Practicable Option



Existing treatment plant location and treatment technology

Ongoing cultural health assessments and environmental monitoring

Enhanced wetland and surrounding area planting



Possible further pathogen (germ) removal – e.g. UV treatment, if required

New modern diffuser installed on the existing outfall when pipe is renewed



Active pond management to minimise odours





NWWTP Resource Consent Application - Questions



Minutes from meeting with The Cawthron Institute on

22 November 2023

Attendees: Cawthron: Andrea Mead, Peter Fisher, Cameron Ingram, Stantec: Kathryn Halder, Rob Searle, NCC: Jonny Edmonds

Presentation:

KH went through a presentation that:

- Outlined the function of the WWTP and treatment process.
- Covered what is monitored as part of the current consents and noted that the plant continues to meet its required standards and performs well.
- Explained that the only non-compliance in the past was the emission of odours during a seasonal change in the microbiology make up within the pond in 2018 and it took a number of days to bring the pond back into balance. Since this event an active pond management team was established who monitor the microbiological health of the ponds on a weekly basis. This continues to work well with no further events.
- Outlined the project process and involvement from Cawthron in preparing several of the technical reports within the AEE.
- Went through the definition of the BPO in terms of best solution allowing for affordability on rate payers, cultural, social and environmental consideration.
- Gave an overview of the options reviewed and how recommendations from the technical assessment helped inform the selection of the BPO. This included looking at alternative discharge regimes, PDP reviewing areas of potential land available for land application options, managed aquifer recharge options, re-use options and alternative treatment facility (Bell Is).
- Highlighted the variety of technical assessments that were undertaken as part of preparing the consent application and AEE. These included positive effects, water quality, marine and terrestrial ecology, natural hazards and climate change resilience, assessment of groundwater quality, air discharges and risks to human health (recreational and consumption of uncooked shellfish), etc.
- Noted that the final stage of the project, prior to lodging the application in Dec 2023, is to complete the ongoing stakeholder engagement to ensure everything has been addressed. Iwi are currently looking at completing a CIA on the application and AEE by February 2024 and any agreed actions will be included in the final consent.
- We are looking to apply for a next 35-year consent based on the existing location and treatment technology with the addition of:
 - Further enhancement of the wetland and areas around the WWTP with iwi – programme of work has started and will be ongoing
 - New modern diffuser to be installed in line with renewal of the outfall pipe
 - Odour improvements – work started already
 - Active Pond Management to continue

- The QMRA assessment looks at the risks associated with contact recreational use and consumption of raw shellfish in the surrounding area. This initial assessment is based on modelled data and we are currently working to collect more site specific information to the NWWTP. Norovirus testing started two months ago and is a 12-month programme. Future budgets at NCC allow for the introduction of additional pathogen reduction if it is deemed to be required.

Questions/Discussions

1. It was confirmed that the footprint of the site is not changing, and that the replacement new modern diffuser would be in 15 to 20 years' time in line with the renewals programme. The new diffuser would be floated out, sunk and attached to the existing pipeline leaving the existing diffuser on the seabed to minimise any disturbance. There is no provision within the application to disturb the section of pipe through Boulder Bank and it is likely that this section of pipe would be relined, but this would be confirmed at the time based on available technology.

2. The intake of seawater for use by the Cawthron Aquaculture Park was confirmed to be as described below:

The Cawthron Aquaculture Park is located ~2 km to the east of the NWWTP. The site is a shared facility, purpose-built for aquaculture research, education, and commercial development. The Aquaculture Park holds a coastal permit which authorises it to take up to 5,000 m³ of seawater per hour from a culvert located just offshore of the Boulder Bank for use within the Park – for operational reasons water abstraction only takes place at high tides and not at slack tides, meaning water is typically taken for a maximum of four to five hours per high tide. In addition, the Aquaculture Park holds a coastal permit to take up to 300 m³ of seawater per hour from intakes located ~100 m offshore for use within the Park. Both the culvert and offshore intakes are located ~2.6 km northeast of the NWWTP's outfall diffuser. The location of the Cawthron Aquaculture Park and its seawater intakes are shown in Figure 8-6.



Figure 8-6: Location of Cawthron Aquaculture Park and Seawater Intakes.

3. Cawthron Intake and use: Cawthron confirmed that the seawater intake is used in the general operation of the Cawthron Aquaculture Park (CAP) . The 100m offshore intake allows for water to be taken that has less sediment in it. Cawthron filter incoming water, and the majority is aged prior to use within the CAP. Cawthron has a treatment facility (both ozone and UV) at the CAP for the treatment of water prior to discharge. This is mainly to meet any biosecurity requirements. Testing results and operational observations have not highlighted any issues with the water taken from the CMA. The only observation to the quality of seawater experienced at the CAP results from heavy rain events causing high sediment and sometimes algae blooms.
4. Cawthron confirmed that the use of water is for research projects/work and any shellfish or bi-products are not used for consumption.
5. The Wetland enhancement/planting project will not affect Hillwood Stream North that runs past the Aquaculture Park and through NWWTP land. Blockages in Hillwood Stream North on NCC land are removed as part of general maintenance work.

Louise Morten

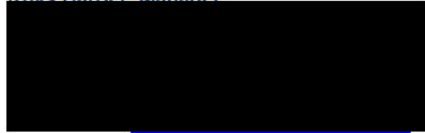
From: Rhys Barrier [REDACTED]
Sent: Thursday, November 23, 2023 10:40 AM
To: Jonny Edmonds
Cc: Lawson Davey; Karen Crook
Subject: RE: NWWTP Resource Consent

CAUTION: External email.

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Thanks Johnny, the wetland is excellent rearing habitat for introduced(mallard), and native(grey duck/shoveler duck/puekeko) gamebird species, plus some non-gamebird native species – grey teal, scaup etc. Hopefully Lawson will get a chance to engage next week 😊

Rhys Barrier, Manager



From: Jonny Edmonds <jonny.edmonds@ncc.govt.nz>
Sent: Thursday, November 23, 2023 8:05 AM
To: Rhys Barrier [REDACTED]
Cc: Lawson Davey [REDACTED] Karen Crook [REDACTED]
Subject: RE: NWWTP Resource Consent

Hi Rhys,

Understanding that it may be hard to get a meeting before lodgement in relation to the Wetland surrounding the area.

NCC have a separate Project that is working on enhancing the Wetland area within the Treatment Plant itself & the Consent has no effect on this.

I have attached a Nelmac draft Concept Plant plan which we are looking at commencing planting next planting season.

As with the Resource Consent & the Wetlands Planting Project it would be great to acknowledge Fish & Games ongoing support with Projects such as this, and if a meeting is not possible an email response acknowledging this will suffice.

Ngā mihi / Thanks

Jonny Edmonds
Project Manager-Capital Projects
Kaiwhakarite Kaupapa

Nelson City Council | Te Kaunihera o Whakatū
P 03 539 5597
nelson.govt.nz



From: Rhys Barrier [REDACTED]
Sent: Wednesday, 22 November 2023 2:24 pm
To: Jonny Edmonds [REDACTED]
Cc: Lawson Davey [REDACTED] Karen Crook [REDACTED]
Subject: FW: NWWTP Resource Consent

CAUTION: External email.

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Hi Johnny, I have too much happening currently to engage with this but have CCed Lawson in to see if he can touch base when he's back in the office next week to see if he can arrange a time for a catchup prior to Xmas (he only works Mon/Tuesdays). Our main interest in the upgrade really lies in the future of the wetland (if is good gamebird habitat), and continued access to the surrounds for both the organised annual pukeko hunt, and recreational gamebird hunting on adjacent bermlands during the gamebird season.

Hopefully Lawson has time in his calender for a catchup – we cover Kaikoura to Springs junction and all the area North of there so unfortunately hard to engage in detail with everything that comes our way given we only have 4 staff.....

Thanks
Rhys

From: Nelson Marlborough Office [REDACTED]
Sent: Wednesday, November 22, 2023 1:38 PM
To: Rhys Barrier [REDACTED]
Subject: FW: NWWTP Resource Consent

Regards

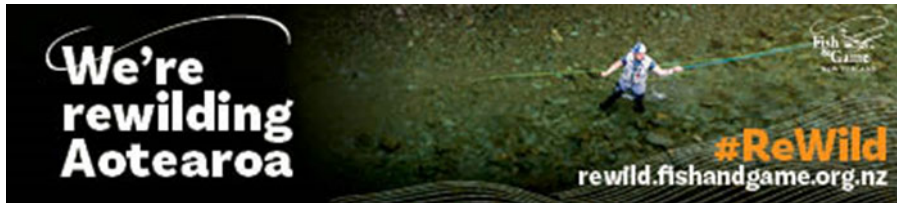
Karen Crook

Nelson Marlborough Fish & Game Council

66 Champion Road, Richmond, Nelson | PO Box 2173, Stoke 7041

P +64 3 544 6382

E nelsonmarlborough@fishandgame.org.nz | W www.fishandgame.org.nz



From: Jonny Edmonds [REDACTED]

Sent: Thursday, November 9, 2023 9:38 PM

To: Rhys Barrier [REDACTED] Nelson Marlborough Office

Subject: NWWTP Resource Consent

Kia ora Rhys

Back in 2021 we spoke with you as a key stakeholder about our plans to update the resource consent for the Nelson North wastewater treatment plant (NWWTP).

The existing resource consents for any discharges to land, air, water, and the coastal marine area are due to expire on 1 December 2024. Council is aiming to apply for a new series of Resource Consents in December 2023.

Council has now considered options and determined a best practicable option for the resource consent. A draft Resource Consent Application and Assessment of Environmental Effects (AEE) report has been prepared for the continued operation of the NWWTP at its current location.

Over the coming weeks we are engaging with Key stakeholders to offer the opportunity for a catch up/ meeting to discuss this application.

I have also attached a copy of the table of contents of the AEE and supporting technical assessments so you can see the detail included within the draft application and we can focus the meetings to the key areas that your individual organizations are interested in.

Feel free to contact me with any questions or a request for a suitable meeting date, I look forward to hearing from you.

Ngā mihi / Thanks

Jonny Edmonds

Project Manager-Capital Projects
Kaiwhakarite Kaupapa

Nelson City Council | Te Kaunihera o Whakatū

P 03 539 5597

nelson.govt.nz

Minutes from meeting with Te Whatu Ora (Health New Zealand) Nelson Marlborough on

23 November 2023

Attendees: Te Whatu Ora (Health New Zealand) Nelson Marlborough: Glynn O'Rourke, David Speedy
Stantec: Kathryn Halder (KH) , Rob Searle,
NCC: Jonny Edmonds, Louise Morten
SLR: Rob Lieffering (RL)
Apologies: NMDHB: Rachel Eyre

Presentation:

KH went through a presentation that:

- Outlined the function of the WWTP and treatment process.
- Covered what is monitored and that the plant meets the required standards.
- Explained that the only non-compliance in the past was the emission of odours during a seasonal change in the microbiology make up within the pond in 2018 and it took several days to bring the pond back into balance. Since this event an active pond management team has been established who monitor the microbiological health of the ponds on a weekly basis. This continues to work well with no further events.
- Presented the compliance monitoring data since 2012
- Went through how the project has worked through the various alternatives and technologies available to determine the Best Practicable Option (BPO) for the NWWTP in terms of best solution allowing for affordability on rate payers, cultural, social and environmental consideration.
- Gave an overview of the options reviewed including looking at alternative discharge regimes, land application options, managed aquifer recharge options, re-use options, more used of the alternative treatment facility at Bell Island. This has determine that for now the marine ocean outfall is part of the BPO for NWWTP.
- Highlighted the variety of technical assessments that were undertaken as part of preparing the consent application and AEE. These included positive effects, water quality, marine and terrestrial ecology, natural hazards and climate change resilience, assessment of groundwater quality, air discharges and risks to human health (recreational and consumption of uncooked shellfish), etc.
- Gave an overview of the resource consents being applied for noting w are looking to apply for a next 35-year consent based on the existing location and treatment technology with the addition of:
 - Further enhancement of the wetland and areas around the WWTP with iwi – programme of work has started and will be ongoing
 - New modern diffuser to be installed in line with renewal of the outfall pipe

- Odour improvements – work started already
- Active Pond Management to continue
- Noted that the final stage of the project, prior to lodging the application in Dec 2023, is to complete the ongoing stakeholder engagement record to ensure everything has been addressed.

KH handed over to RL who went through his role in completing the AEE and continued through the presentation focusing in on public health and the hydrodynamic modelling, shellfish surveys and the QMRA that has been completed as part of this project.

- Public Health
 - QMRA model prepared is based on actual 2021 discharge rates and allows for seasonal fluctuations, El Niño and La Niña and also future population growth for the next 35 years. Population growth in the area serviced by the NWWTP which is not predicted to be significant given the topographical boundaries meaning there will be will limited Greenfields development, with most growth coming from infill development.
 - QMRA considered primary and secondary contact recreation, and consumption of uncooked bivalve kaimoana shellfish . Risks were assessed as acceptable for primary and secondary contact recreation at all the sites assessed, including within the mixing zone over the outfall. Based on human norovirus, the NWWTP needs to achieve a 2 to 3 log reduction to ensure risks from consuming uncooked shellfish as attributed by the NWWTP are 'acceptable', being <1% average individual illness risk. Based on the processes available at NWWTP the estimated log reduction that the treatment achieves is between 2 and just over 3 log, however this is theoretical and the NCC has started a testing programme of inflow and effluent to establish the actual log reduction in human norovirus being achieved through the plant.
 - Shellfish surveys have been undertaken to confirm sites where shellfish are present and could be collected from, and the NCC has been conservative on where shellfish are collected and consumed.
 - Testing for norovirus will continue for a 12-month period, started September, to establish whether there is a need to introduce additional pathogen treatment. Future budgets at NCC allow for the introduction of additional pathogen reduction if it is deemed to be required.
 - RL noted that the amount of monitoring being undertaken by the NCC is a lot more than other councils typically undertake as part of consenting of WWTPs around New Zealand. This provides a unique opportunity to understanding the assumptions often used in QMRAs better.

Questions/Discussions

1. Trade waste – NWWTP does not have a specific “area” for dealing with trade waste as it comes to the WWTP combined with community wastewater. Trade waste agreements are required. Most of the industrial areas in Nelson are not within the catchment for NWWTP.

2. Metals etc. – what is monitored is standard and not specific to any trade waste. The standards on the existing consent are based on environmental protection and back calculated to establish a discharge standard. The proffered conditions include new standards that are based on current guidelines.
3. Shellfish locations and norovirus testing– is there norovirus testing being undertaken in the water around Magazine Point or in the shellfish to establish background levels and other sources such as from stormwater discharges, infiltration and overflows. No we are only considering the outflow from NWWTP and its contribution to a wider issue.
4. NCC asked to share the norovirus tests. Early results indicate we are detecting Norovirus in the community and the NWWTP is achieving at least a 3 log reduction of G1 concentrations and G2 is not being detected in the effluent.
5. Saturation of biofilter answered within the PDP work
6. Emerging contaminants – has PFAS been considered as something that needs to be added to the required monitoring suite. No PFAS testing been undertaken as part of the Cawthron EOC report, and this is not being volunteered as part of the consent. NCC may look at this as a separate wider issue in the future.
7. Projected population increase: urban area covered by NWWTP has limited growth options. Most of Nelson growth would be in the Bell Island WWTP catchment area
8. 365 rolling average – is it usually to be used. Yes. Adopted by different regional councils in NZ for discharge limit compliance – footnote included in the AEE which lists some of the WWTPs, includes Bell Island.
9. Iwi engagement – why is the application saying that “while the MCA builds upon the guiding principles drawn from the iwi management plans, it does not speak on their behalf etc”. Not all Te Taihū iwi have management plans available. The MCA is based on the project teams understanding of the information currently available in the management plans and the direction provided by iwi as part of the working group. We are waiting for the CIAs to refine our understanding. We will review this wording in the AEE.
10. Section 4.3.3 case for investment – addition pathogen treatment statement clarified to note that the focus is on what can be achieved at the NWWTP to limit our contribution to the receiving environment acknowledging that other contaminant sources exist in the area. We will review this wording in the AEE.
11. Desludging of ponds – allowed for within the consent application. Clarifier removes sludge that is thickened and goes to land. The ponds were last desludged in 2014 and the sludge dried in geobags within the buffer area on site before being disposed to landfill. The application allows for future desludging when required.
12. Change in Name: change NMDHB to Te Whatu Ora (Health New Zealand) Nelson Marlborough
13. Site visit to be arranged.
14. Process for here - Application will be lodged on 14 December and we will ask to go on hold to wait for the findings of the CIA (s). We expect the consenting authority will use this time to get the technical assessments peer reviewed. Iwi are currently looking at completing a CIA on the application and AEE by end of February 2024 and any agreed actions will be included in the final consent. The application is expected to be notified and we anticipate a hearing September 2024 and the NCC will have the results of the year long norovirus testing by then and it will be in a position to know whether the NWWTP requires upgrading for additional pathogen reduction.

Halder, Kathryn

Subject: FW: NWWTP Resource Consent - Public Health meeting 23rd Nov

From: Glynn O'Rourke [REDACTED]
Sent: Thursday, 30 November 2023 7:23 am
To: Jonny Edmonds [REDACTED]
Cc: Paul Du Preez [REDACTED]; Rachel Eyre [REDACTED]; David Speedy
<[REDACTED]>
Subject: RE: NWWTP Resource Consent - Public Health meeting 23rd Nov

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Morena Jonny

Apologies for not acknowledging your email earlier, and thanks again for organising the meeting last week.

I've had a look through the attached minutes and agree with what has been documented. We've also got the recording of the meeting to refer to if required.

Look forward to that site visit in due course.

Have a good one.

Ngā mihi

Glynn

Glynn O'Rourke
Health Protection Officer | Kaitiaki o te Taiao
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Te Waipounamu Region

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Te Whatu Ora
Health New Zealand

Te Whatu Ora – Health New Zealand
TeWhatuOra.govt.nz

From: Jonny Edmonds [REDACTED]
Sent: Tuesday, 28 November 2023 10:54 am
To: David Speedy [REDACTED]
Cc: Paul Du Preez [REDACTED]; Rachel Eyre <[REDACTED]>; Glynn O'Rourke

Subject: RE: NWWTP Resource Consent - Public Health meeting 23rd Nov

Some people who received this message don't often get email from [REDACTED] [why this is important](#)

Good Morning

Thank you for attending the meeting regarding the NWWTP Resource Consent Renewal.

Please find the attached meeting minutes for review & to make changes as you see fit.

Ngā mihi / Thanks

Jonny Edmonds
Project Manager-Capital Projects
Kaiwhakarite Kaupapa

Nelson City Council | Te Kaunihera o Whakatū
P [REDACTED]
nelson.govt.nz

