

4 April 2024

Whakatāne District Council C/- Astrid Hutchinson Private Bag 1002 Whakatāne 3158

Email: Astrid.Hutchinson@whakatane.govt.nz

Dear Astrid.

Resource Consent Application RM23–0010 for comprehensive stormwater consent for existing stormwater discharges from the Whakatane Township and associated network structures located in the bed/bank of a river or stream, and/or the CMA – Clarifications to Request for Further Information pursuant to Section 92 of the Resource Management Act 1991 (RMA)

Pursuant to Section 92 of the RMA further information was requested on 5 September 2023. Your response to this letter was received on 15 November 2023 and a subsequent review has been undertaken by Bay of Plenty Regional Council specialist staff.

The responses received have not fully satisfied the original requests for further information, and as such the application remains on hold under Section 92. This letter includes a summary of two outstanding items (including the original request and the response), and the clarifications sought.

Expiry dates of existing consents

The original request for further information specified:

 Please provide the existing expiry dates of the consents sought to be managed under this resource consent.

The response provides a list of consents, by consent number, granted date and expiry date. Appendix 6 has a list of 16 existing consents. The Asset Management Plan has another list broader than those to be incorporated into the CSC.

Clarification sought:

- Please confirm whether the response represents the total list of resource consents that will be surrendered, and therefore managed under the CSC sought.
- Please also consider and confirm whether the recycling park consent (68057) should be excluded given its industrial nature (like the Whakatane Mill consent).

Feasibility of 10% AEP current level of service

The original request for further information specified:

n) Please provide more comment around the 10% AEP current level of service of the pipe network system (current and future climate). Please address whether you think this level of service is feasible and whether a 20% AEP would be more realistic.

The response states that "As the modelling shows, in many instances, this is not achieved in brownfield development."

Clarification sought:

 Please advise of the feasibility for the 20% AEP design standard to be met in relation to brownfield development.

Please feel free to contact me regarding the requirements of this letter, on 07 571 5636.

Ngā mihi nui,

Sean Grace

Consultant Planner

18 April 2024

WHAKATĀNE
District Council
Kia Whakatāne au i ahau

Bay of Plenty Regional Council Quay Street Whakatāne 3121 BY EMAIL

ATTN: Sean Grace

Email: sean.grace@boffamiskell.co.nz

Dear Sean

RE: RESOURCE CONSENT APPLICATION RM23–0010 FOR COMPREHENSIVE STORMWATER CONSENT FOR EXISTING STORMWATER DISCHARGES FROM THE WHAKATANE TOWNSHIP AND ASSOCIATED NETWORK STRUCTURES LOCATED IN THE BED/BANK OF A RIVER OR STREAM, AND/OR THE CMA – REQUEST FOR FURTHER INFORMATION PURSUANT TO SECTION 92 OF THE RESOURCE MANAGEMENT ACT 1991 (RMA)

Please find below responses to the request for clarification dated 4 April 2024 in relation to resource consent application RM23-0010.

Expiry dates of existing consents

Consent number	Granted date	Expiry date			
20183	0183 6/03/1975				
20267 2/09/1976 20319 1/09/1977		1/10/2026			
		01/10/2026			
21785-1 5/12/1985		1/10/2026			
21785-2 5/12/1985		1/10/2026			
24283 16/10/1995		31/08/2004			
24801 4/12/1996 60053 15/10/1998 61841 10/12/2002 62713 27/02/2005 63352 26/10/2005		30/11/2011			
		31/10/2008			
		30/11/2022 30/06/2015 30/09/2030			
			64253 12/04/2007		31/03/2042
			65353	29/05/2008	30/04/2028
65604	1/06/2010	30/04/2045			
67420	12/03/2013	28/02/2048			
68057	4/08/2020	4/08/2040			
RM20-0493-DC.01	30/10/2020	30/10/2023			

Resource consent number 64253 should be added to the list of consents to be surrendered. This consent authorises: activities associated with the construction of an underground pump station at the Awatapu Lagoon; the use of the pump station during flood events to pump floodwaters from the Awatapu Lagoon to the Whakatane River and also during the ongoing maintenance of the pump station and for the purposes of controlling algae within the Awatapu Lagoon; and the placement of rock fill in the lagoon to allow for the construction of an access track to the pump station.

Resource consent number 68057 for the purpose of discharging stormwater from a waste recycling park at 60 Te Tahi Street, Whakatane to a tributary of the Whakatane River and the Whakatane River should be excluded. A

replacement consent will not be lodged prior to the expiry date in August 2040; instead, a pollution prevention plan (PPP) will be required and the discharge will fall under the CSC.

As noted in section 8.2 of the draft Management of Contaminants Procedure (included as appendix A in the CSC application) in relation to existing consents and authorised discharges:

"The Council will review all existing consented discharges that enter the public stormwater network within the Whakatāne urban area. In addition to any consent for discharge from BOPRC, the Council may require a PPP be submitted and approved for the site pursuant to Regulation 59(3) of the Combined Waters Bylaw. The Council may accept an alternative plan that sufficiently addresses the issues outlined in Regulation 59(1), such as one prepared for the BOPRC discharge consent.

Upon approval of the CSC, existing consent holders will be encouraged to replace their BOPRC consents with PPPs and compliance for the discharge will fall under the CSC. The Council cannot force consent holders to surrender consents; however, given that it is likely a PPP will be required for these sites, surrendering the existing consent and enacting a PPP for the site will provide a streamlined compliance process for these sites rather than needing to provide information for two sources of monitoring.

If consent holders are not willing to surrender consents, then the consent(s) will run concurrently with the requirement for a PPP for the duration of the consent term. Having a resource consent from BOPRC for stormwater discharge does not impact on whether a PPP will be required or not; they are separate processes enacted under differing legislation. However, the Council will not encourage replacement consents upon expiry of the discharge consents. The preferred option is a PPP for the site, which would come in under the conditions of the CSC. The Council would be an affected party pursuant to s95E of the RMA for any applications to discharge stormwater or contaminants from a private site into the Council controlled stormwater network."

Feasibility of 10% AEP current level of service

The 10% AEP level of service is commonly used in New Zealand for sizing stormwater infrastructure. It is the Council's expectation that any new development, including infill development within the urban area, should aim to meet this standard. When replacing infrastructure, the Council will also aim to meet this standard.

The Council acknowledges that many existing pipes do not meet the 10% AEP level of service, as shown in the Whakatāne urban stormwater modelling report. However, a reduction in the level of service is not considered necessary. This design standard is an internal standard that acts as a starting point. There may be instances where it is not feasible to achieve the 10% AEP level of service, which will be assessed and responded to on a case-bycase basis.

Yours sincerely

Astrid Hutchinson Project Planner

Attachments

1. Resource consent number 64253

utchinson

Bay of Plenty Regional Council

Resource Consent

Pursuant to the Resource Management Act 1991, the **Bay of Plenty Regional Council**, by a decision dated 12 April 2007, **Hereby Grants** to:

WHAKATANE DISTRICT COUNCIL

A resource consent:

- a) pursuant to Section 13(1)(b) of the Resource Management Act, 1991 to undertake a discretionary activity being to **Disturb the Bed of the Whakatane River**; and
- b) pursuant to Section 13(1)(a) of the Resource Management Act, 1991 to undertake a discretionary activity being to **Place and Use Structures over the Bed of the Whakatane River**; and
- c) pursuant to section 14(1)(a) of the Resource Management Act, 1991 to undertake a discretionary activity being to **Take Water from the Awatapu Lagoon for the purposes of flood protection, pump station maintenance and algae control;** and
- d) pursuant to section 15(1)(a) of the Resource Management Act 1991 to undertake a discretionary activity being to **Discharge Water from the Awatapu Lagoon** to the Whakatane River for the purposes of flood protection, pump station maintenance and algae control; subject to the following conditions:

1 Purpose

To authorise activities associated with the construction of an underground pump station at the Awatapu Lagoon. The purpose of the consent is also to authorise the use of the pump station during flood events to pump floodwaters from the Awatapu Lagoon to the Whakatane River also during the ongoing maintenance of the pump station and for the purposes of controlling algae within the Awatapu Lagoon and the peak of summer.

SEE CHANGE 1

This consent also authorises the placement of rock fill in the lagoon to allow for the construction of an access track to the pump station.

2 Location

At Riverside Drive, Awatapu, Whakatane as shown on GHD Drawing No: 51-24371-C041 Revision 0 entitled "General Layout Plan" and referenced as BOPRC Plan RC 64253/1.

3 Map Reference

At or about map reference NZMS 260 W15: 5813 5214.

4 Legal Description

Crown Land Block I Rangitaiki Upper SD (Whakatane District)

5 Notification of Works

The consent holder shall notify the Regional Council, in writing, at least 48 hours prior to commencement of any work under this consent, and as soon as practicable following the completion of work under this consent. Notification at these times shall include details of who is responsible for on site management and compliance with consent conditions (see Advice Note 3).

6 Works

6.1 The consent holder shall ensure that the works are undertaken in accordance with the information submitted with the application including the following plans:

SEE CHANGE 1

 GHD Drawing No: 51-24371-C042 Revision 1 entitled "Detailed Layout Plan" and referenced as BOPRC Plan RC 64253/2(a).

SEE CHANGE 1

- GHD Drawing No: 51-24371-C043 Revision 1 entitled "Pump Station Layout Plan, Mid Floor Access and Cast Outs" and referenced as BOPRC Plan RC 64253/3(a); and
- GHD Drawing No: 51-24371-C004 Revision 0 entitled "Pumpstation to Outfall Longitudinal Section" and referenced as BOPRC Plan RC 64253/4.
- 6.2 The applicant shall ensure that a filter collar is placed around the pump discharge pipe and a filter drain placed under it. This filter collar shall be located just downstream of the Awatapu Drive riverside road kerb.
- 6.3 The consent holder shall ensure that all filter collars filter drains are designed and installed in accordance with "Environment Bay of Plenty's Guidelines for Filter Collars and Filter Drains around Conduits in Earth Dams" (see Advice Note 4).
- The consent holder shall ensure two intake screens are installed in accordance with GHD Drawing No: 51-24371-C044 Revision 0 entitled "Pumpstation to Outfall Longitudinal Section" and referenced as BOPRC Plan RC 64253/4.
- 6.5 The consent holder shall ensure that, as soon as is reasonably practicable following their completion, any exposed areas resulting from works under this consent are stabilised in accordance with *Environment Bay of Plenty Guideline 2001/03 "Erosion and Sediment Control Guidelines for Land Disturbing Activities"* or its successor.
- Where practicable the consent holder shall ensure that New Zealand native plant species are used to stabilise areas exposed as a result of the proposed works, with the exception that grass may be planted to match the existing planting on the stopbank.
- 6.7 The consent holder shall ensure that stabilisation as required by conditions 6.5 and 6.6 above is to the satisfaction of the Chief Executive of the Regional Council or delegate.
- 6.8 The consent holder shall ensure that any scour of the river channel or banks resulting from works under this consent is be effectively stabilised to the satisfaction of the Chief Executive of the Regional Council or delegate.

6.9 The consent holder shall ensure that all construction equipment, machinery, plant and any debris is removed from the work site at the completion of works.

- 6.10 No fuel storage or machinery refuelling shall occur where fuel could enter a water body in the event of a spillage.
- 6.11 The consent holder shall ensure that works are carried out in a manner that minimises disturbance to the bed and banks of the Whakatane River and Awatapu Lagoon.
- 6.12 No vegetation, soil or other debris shall be deposited in the river or the lagoon, or left in a position where the material could enter water.
- 6.13 Within 30 working days of completion of the works authorised under this consent the consent holder shall submit to the Regional Council a certificate signed by a Chartered Professional Engineer to certify that works have been undertaken in accordance with (see Advice Note 3):
 - Good engineering practice; and
 - Conditions 6.1, 6.2, 6.3 and 6.4 of this consent.

6.14 Rip Rap (Access Track)

SEE CHANGE 1

In relation to the placement of the rock fill in the lagoon (associated with the construction of an access track to the pump station) the consent holder shall:

- a. Notify the Chief Executive of the Regional Council or delegate of their commencement no less than 24 hours prior (see Advice Note 3).
- b. Complete the works in no more than three working days following their commencement.
- c. Ensure the works are undertaken in accordance with conditions 6.8, 6.9, 6.10, 6.11 and 6.12 of the consent.

7 Water Take & Discharge

- 7.1 The consent holder shall ensure that when operating the pump station for the purposes of flood management the maximum rate of take from the Awatapu Lagoon and discharge to the Whakatane River shall not exceed 6 cubic metres per second.
- 7.2 The consent holder shall ensure that when operating the pump station for the purposes of flood management, unless the flood level in the river has submerged the outfall structure, that immediately prior to discharge it is established that there are no persons in the vicinity of the outlet who may be affected by the discharge.
- 7.3 The consent holder shall ensure that when operating the pump station for the purposes of maintenance the rate of take from the Awatapu Lagoon and discharge to the Whakatane River shall be undertaken for a maximum period of 60 seconds at a rate not exceeding 600 litres per second or such longer period as approved in writing by the Chief Executive of the Regional Council or delegate.
- 7.4 The consent holder shall ensure that when operating the pump station for the purposes of algae control the maximum rate of take from the Awatapu Lagoon and discharge to the Whakatane River shall not exceed 3 cubic metres per second over a period of no longer than 15 hours.

7.5 The consent holder shall ensure that when operating the pump station for the purposes of algae control, that immediately prior to discharge it is established that there are no persons in the vicinity of the outlet who may be affected by the discharge.

- 7.6 The consent holder shall ensure that when lowering the level of the lagoon in accordance with condition 7.4 & 7.5, that the entire lagoon remains covered in at least 300 millimetres of water.
- 7.7 The consent holder shall ensure that following the lowering of the lagoon level for algae control purposes the lagoon level is returned to at least RL 0.2 metres within 48 hours from the cessation of pumping.
- 7.8 Notwithstanding conditions 7.1 to 7.7 the consent holder shall ensure that the water level within the Awatapu Lagoon is managed in accordance with the section 92 Request Response from GHD Limited to Environment Bay of Plenty dated 8 February 2007 and referenced as BOPRC Plan Number RC 64253/5.
- 7.9 The consent holder shall cease intake and discharge immediately if instructed to do so by the Chief Executive of the Regional Council or delegate.

8 Signage

- 8.1 The consent holder shall ensure that suitable signage is erected and maintained around electrical infrastructure and pump station advising the public of the danger associated with these.
- 8.2 The consent holder shall ensure that suitable signage is erected and maintained around the pump station outfall advising the public of the danger associated with discharge from the pipe during maintenance of the pumps.

9 **Maintenance**

The consent holder shall ensure that all works and infrastructure authorised under this consent is adequately maintained at all times and shall undertake any maintenance work immediately, if so directed by the Chief Executive of the Regional Council, or delegate.

8 Review

The Regional Council may at any time serve notice on the consent holder, under section 128(1)(a)(i) of the Resource Management Act 1991, of its intention to review the conditions of this consent. The purpose of the review is to require the consent holder, if necessary and appropriate, to adopt the best practicable option to reduce or remove adverse effects on the environment that are resulting from the exercise of this consent.

9 Term of Consent

This resource consent shall expire on 31 March 2042.

10 Resource Management Charges

The consent holder shall pay the Bay of Plenty Regional Council such administrative charges as are fixed from time to time by the Regional Council in accordance with section 36 of the Resource Management Act 1991.

11 **The Consent** hereby authorised is granted under the Resource Management Act 1991 and does not constitute an authority under any other Act, Regulation or Bylaw.

Advice Notes:

- 1. The consent holder is responsible for ensuring that all contractors carrying out works under this consent are made aware of the relevant permit conditions, plans and associated documents.
- 2. The consent holder is advised that non-compliance with consent conditions may result in enforcement action against the consent holder and/or their contractor(s).
- 3. Notification as required by condition 5 & 6.15 shall be directed to the Principal Environmental Compliance Officer, Environment Bay of Plenty, P O Box 364, Whakatane or fax 0800 368 329 or e-mail steven@envbop.govt.nz.
- 4. A copy of this guideline is available by contacting the Technical Services Administration Officer at Environment Bay of Plenty on 0800 368 267.
- 5. The consent holder must obtain bylaw approval from Environment Bay of Plenty's Rivers and Drainage Department before undertaking activities authorised under this consent.
- 6. All levels specified within the consent conditions and associated plans are referenced from Moturiki Datum.
- 7. The consent holder shall obtain a Bylaw Authority from the Regional Council's SEE CHANGE 1 Environmental Hazards Group, prior to undertaking any works associated with the construction of the access track (refer condition 6.14).
- 8. The earthworks to construct the access track (refer condition 6.14) must comply with the see change 1 conditions of permitted activity Rule 1 of the Regional Water and Land Plan (available at http://www.boprc.govt.nz/media/31235/Plam-100301-Operative-RWLP-Chapter9-Rules.pdf).

DATED at Whakatane this 28th day of May 2007

For and on behalf of The Bay of Plenty Regional Council

W E Bayfield

Chief Executive

Change 1

The change to this resource consent was approved under delegated authority of the Bay of Plenty Regional Council, dated 9 June 2011, the conditions were changed from the following:

Change purpose:

Purpose

To authorise activities associated with the construction of an underground pump station at the Awatapu Lagoon. The purpose of the consent is also to authorise the use of the pump station during flood events to pump floodwaters from the Awatapu Lagoon to the Whakatane River also during the ongoing maintenance of the pump station and for the purposes of controlling algae within the Awatapu Lagoon and the peak of summer.

Change condition 6.1:

- 6.1 The consent holder shall ensure that the works are undertaken in accordance with the information submitted with the application including the following plans:
 - GHD Drawing No: 51-24371-C042 Revision 0 entitled "Detailed Layout Plan" and referenced as BOPRC Plan RC 64253/2.
 - GHD Drawing No: 51-24371-C043 Revision C entitled "Typical Section Details" and referenced as BOPRC Plan RC 64253/3.
 - GHD Drawing No: 51-24371-C004 Revision 0 entitled "Pumpstation to Outfall Longitudinal Section" and referenced as BOPRC Plan RC 64253/4.

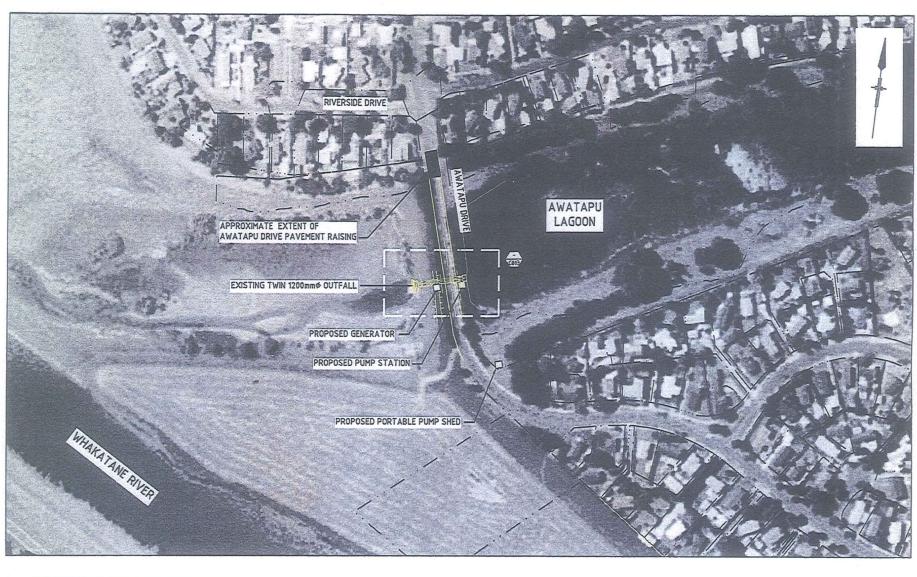
Add a condition 6.14

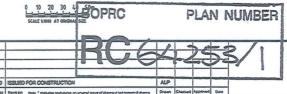
Add Advice Note 7

Add Advice Note 8

Helen Creagh
Consents Manager

for Mary-Anne Macleod
Acting Chief Executive





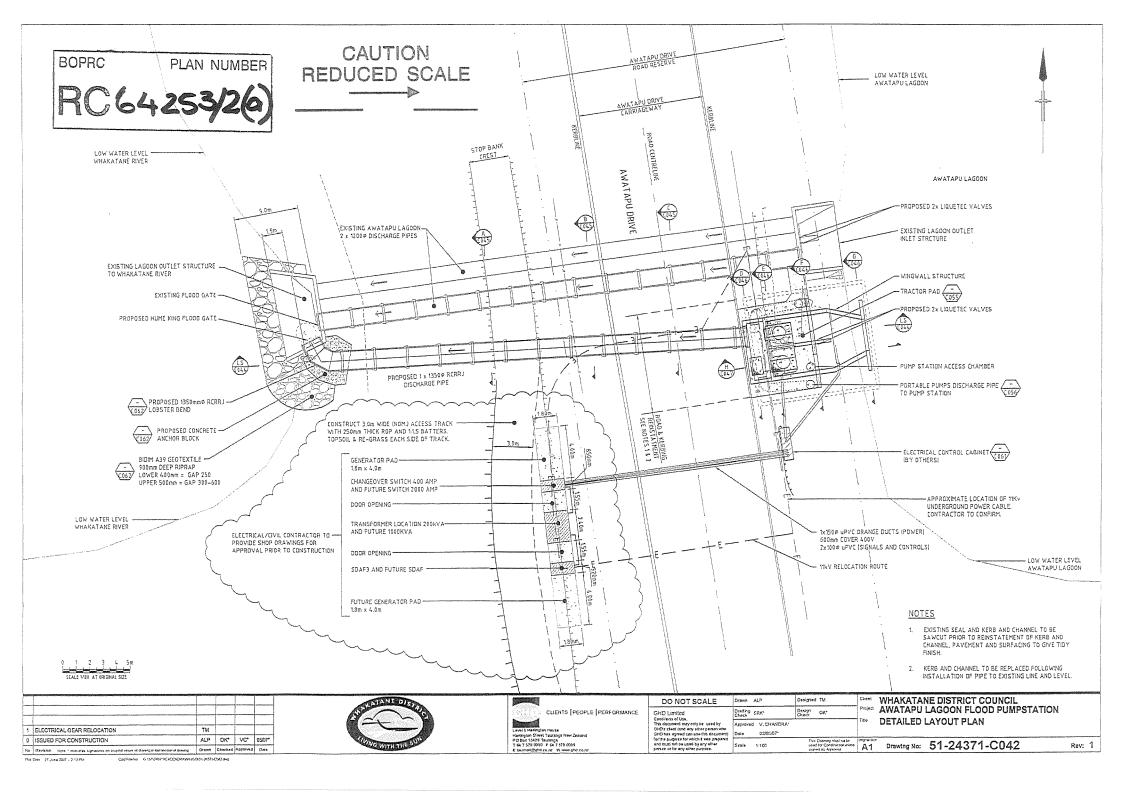


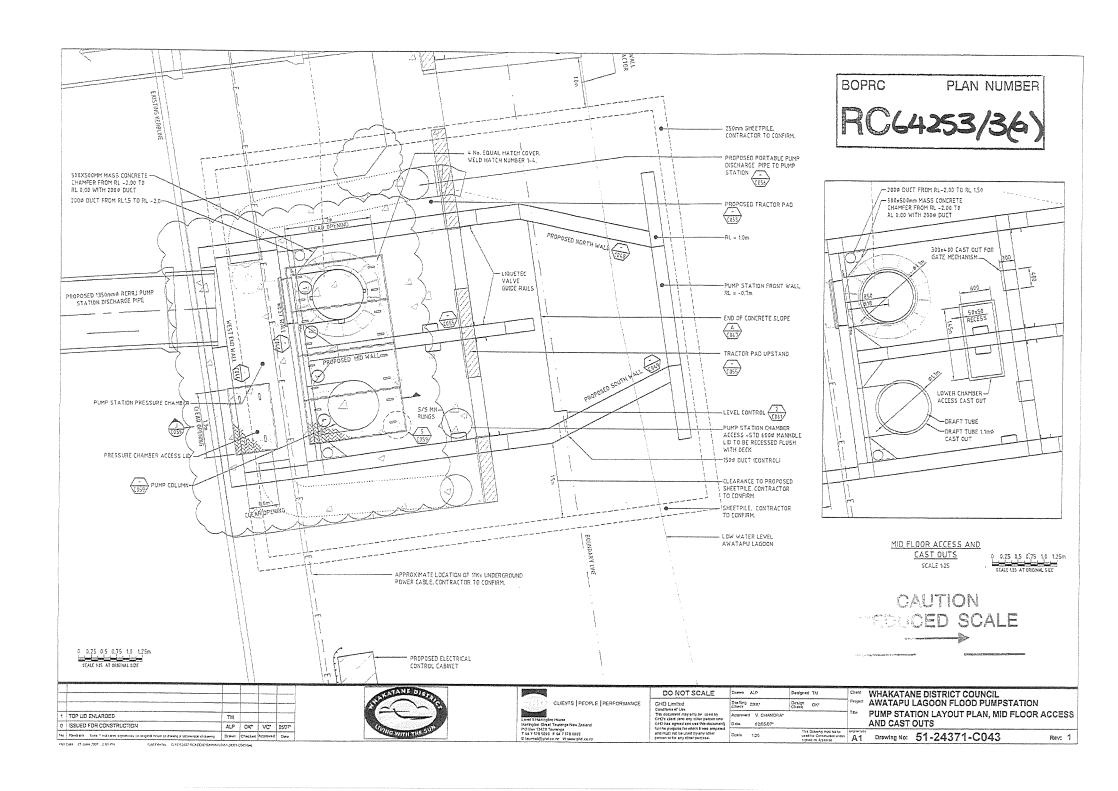


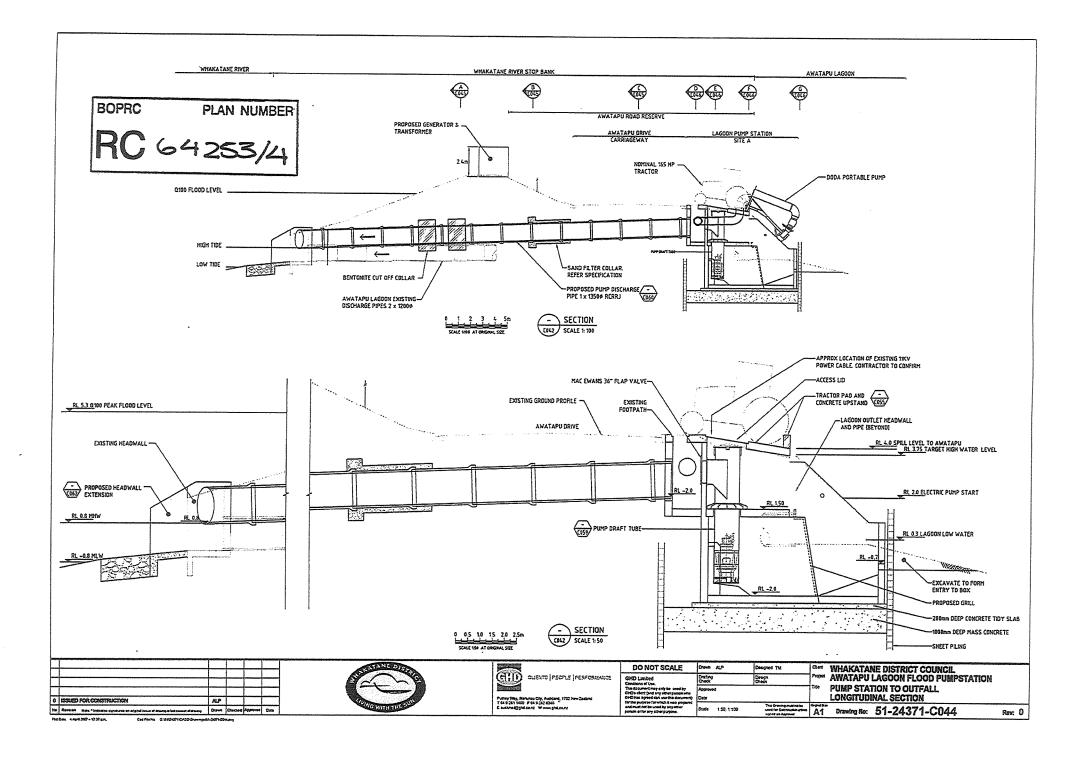
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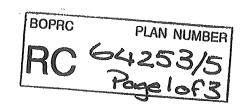
Clera Project Title	AWATAPU LAGOON FLOOD PUMPSTATION				
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Our ref: 51/24371//Sec 92 Response.doc

Your ref: RC 64253

20 March 2007

Environment Bay of Plenty P.O.Box 364 Whakatane

Attn: Helen Creagh

Dear Ms Creagh

Awatapu Flood Mitigation Works Section 92 Request

We write again to inform you on progress on the Awatapu Pump station.

The tenders closed on 22 february and the price received from the civil contractor was higher than Council had in their budget. A workshop between sole tenderer (Waiotahi Contractors) and Council (Paul Smith) and ourselves.

As a result of this workshop there has been a further design change ("Design 3"). This design is in the process of being finalised. The key points of the design are as follows.

- The outlet pipe from the pump station has been increased from 1200 to 1350 internal diameter.
- The pump station location has been changed and the new pump station now is on the east side of Awatapu Drive (on the lagoon side).
- The pump station is now a 3-sided structure with the open side to the lagoon.

In other respects the pump station operation and other aspects remain as per the 8 February letter. These are repeated again below.

The design changes have been discussed with you (telephone conversation Miller Creagh 20-3-2007). In essence the pump station has been designed to meet three operation conditions.

Flood control. Once the lagoon level has reached approx RL = 1.5 AND the river level has risen to about this level AND the peak of the river level is likely to exceed RL = 4 for an extended period THEN the pump will be run to maintain the level in the lagoon below a target level of 3.75 m.

If the river level is below lagoon level then gravity flow from the lagoon will occur and no pumping is expected.

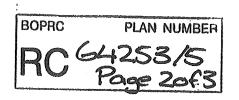
Pumping will continue during the flood event until the river level is predicted to be on the falling limb of the flood cycle as predicted by EBoP AND the river level has fallen to below 3.7 m.

There would be no need to undertake a physical check of the outfall location as the discharge area will be under water. The pumps will commence automatically once a level of RL=2 m has beenreached in the lagoon. The river level would be at a similar level and hence the pumped outfall pipe will be partially submerged also.

Pump Maintenance. On a monthly basis the large pumps need to be run for short periods to ensure pumps do not seize and are functional. VSD drives have been specified that allow the pumps to be run at reduced speed. At these reduced speed the pumps will deliver only a small portion of their

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capacity. We envisage that the pumps will be run with water flow increasing to between 200 and 500 l/s but pumps ramping up over 20 seconds and run for a total time of probably 60 seconds. From the time when pumps commence operation, there would be a delay of approx 20-25 seconds as the pressure chamber fills and water flows down the discharge pipe. There is also a flap gate on the discharge pipe that will maintain flows to the area immediately below the pipe only.

GHD consider there is some audible warning and the peak discharge is not hazardous and hence no inspection is required prior to test runs at low speed. GHD has modified the draft consent condition to reflect this.

These runs will be initiated remotely. Start and stop levels are not critical to the operation as the pump will only run for less than 60 seconds.

Low Lagoon Maintenance. In this situation there will be a need to run the pumps in later summer to assist with controlling algae blooms in the lagoon. Here at least one of the pumps will be run at full speed for an extended period of perhaps 10 –15 hours to draw the lagoon down 300 to 400 mm. The length of time will be dependent upon the base flow and low flow from Wainui Te Whara.

As the pumps in this situation will be ramped up over a similar 20 sec but this time to run at full speed. It will be desirable to undertake a physical check off the outfall location prior to running of the pumps. The discharge once flowing at 1.5 m³/s will be approx 4-5 m/s.

The start and stop levels in the lagoon are likely to be manually controlled. Start at 0.3 m and stop at -0.4 m. River levels are likely to be controlled by tide with a range of -0.8 m to +0.8 m. River flow is likely to be very low. Pumping would only occur when the Wainui Te Whara was in low flow condition also.

As there is the potential to discharge a low tide this is a potential safety issue. As such it will be a requirement for a visual inspection to be undertaken of the outfall prior to running the pumps at low water level.

Once the lagoon level has been drawn down then the lagoon outlet gates will be held open and the lagoon filled with tidal (partlky saline) water.

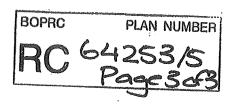
In answer to your s92 questions.

- 1) The minimum level that the lagoon will be operated at for testing will be approx RL = +0.2 m being nominal low flow level in lagoon. This will be the level after pump testing has finished.
- 2) The operating regime for the pumpstation for Flood Conditions that is currently being considered is set out above.
- 3) The normal level of the lagoon at low tide and low inflows is between RL = 0.2 to 0.3m from GHD observations and from historical data. However during the normal tidal range the river level fluctuates between -0.8 and +0.8 m. Thus during every tide the lagoon level will be below tide level in the adjacent river and as no outflows occur the lagoon will fill during the high tide portion of the cycle.) The suggestion at this stage is to limit signage around the pumpstation to limit potential for vandalism. There will be signage on the electrical infrastructure and on the pump shed advising of danger.

The inlet and outlet invert levels of the twin 1200 mm pipes are 0.0 and -0.15m respectively

5) Inspections.





Prior to each flood event EBoP and WDC currently undertake inspections of all stop bank penetrations in the Whakatane River. This will also include the new pump station outfall.

However immediately prior to starting the pumps in flood situations no further inspections are proposed. There will be inspections during the flood to observe the pumps operation and check on intake screens.

During regular maintenance, WDC will send a crew to the site to inspect the pumpstation and ensure that there is no damage to the pumps, intake screens are clear and there is no other damage.

When the pump station is being run for testing purposes there will be people on site to observe the trial.

During monthly pump maintenance runs there is no need for visual inspections as the pumps can be run remotely.

During dry weather lagoon lowering there will be an inspection prior to running the pumps and regular supervision during operation to ensure the intake screens remain clear.

6) The intake will have a screen. This screen is shown in drawing 51-24371-C attached. This will prevent entry from the intake side.

The outlet will have a standard flood flapgate arrangement (very similar to the ones already on site for the existing outlets). As these operate under gravity they will remain closed unless the river is higher than the outlets. This means that they will only be open when submerged so again any safety issues will be minimised.

A copy of the revised drawings are attached. Drawings have in general kept their previous drawing numbers but re-issued as rev 0.

I hope that this letter covers all of your concerns related to the current Resource Consent application. If you have further queries do not hesitate to contact me at the number below.

Yours faithfully GHD Limited

Tony Miller Senior Water Engineer (09) 261 1544

Attachment:

Drawings C001 to C042 & C044.