

MEMORANDUM

To: Tania Diack
From: Ir. Craig Goodier
Date: 13 Feb 2019
Ref: APP123774
Subject: Wairoa Wastewater Treatment Plant

Additional information has been requested by HBRC consent section as a follow up to the Wairoa Treatment Plant consent application:

Request: Can you please provide comment on the following issues:

1. The applicant has proposed the main WWTP outflow structure (pipeline) is able to be relocated within the area identified in Figure 5.1 of the AEE page 35.
 - a) Can you please confirm if the information provided is adequate,
 - b) if you foresee any issues with this concept and the area identified for the structure to be relocated within,
 - c) Do the proposed consent conditions sufficiently address how the structure will be designed and managed? (Refer to conditions 10) to 13) under the heading **Modification**)
 - d) Do you require a concept design of the relocatable structure to be lodged now as part of the application or is consent condition 10) sufficient to address this if applicable in the future?

2. Can you please provide information regarding HBRC's role in the management of the Wairoa River mouth when it is closed,
 - a) A copy of the management procedure,
 - b) Provide examples of when we (HBRC staff or contractors) have had to open the Wairoa bar,
 - c) WDC's involvement in this process.

Reply:

1.
 - a) In terms of the pipeline location (and future relocation), the information provided in the AEE is adequate.
 - b) There are no particular issues with the concept that we foresee at present.
 - c) The proposed consent conditions (10-13) appear to sufficiently address how the structure will be designed and managed.
 - d) Our understanding of the 'relocatable structure' component of the application is that the structure is the discharge pipe, i.e. there is no other structure being built in the river. Based on this understanding, we do not require any additional

concept plan, as the application showed the location of the proposed outlet pipe with the polygon shown on the plan.

2.

- a) A copy of the management procedure is included below.
- b) The last three bar openings were in Feb. 2015, May 2016 and June 2016
- c) The Wairoa District Council Environment Officer is contacted when the mouth is blocked. HBRC then commence the plan to have the mouth opened.

1. WAIROA RIVER

1.1 CONTACTS

This mouth is monitored by Council staff. (Peter Manson – Ph 06 8388 527)

1.2 CONTRACTORS

Pryde Contracting open the mouth. If they are unable to then it is their responsibility to arrange an alternative contractor. (Hamish Pryde – Ph 06 8377 805)

PLEASE NOTE:

If the mouth is partially closed or restricted, or is not in a very good position, then attention needs to be paid to weather forecasts and sea conditions as mechanical openings of this mouth normally involve quite an extensive operation, sometimes taking days to complete.

1.3 MAXIMUM WATER LEVEL

11.65m which is the top of the timber piles of the old pier out by the coast.

1.4 THINGS TO KEEP IN MIND

The potential for damage due to flooding caused by a river mouth blockage is significant.

Numerous small pastoral and residential properties in the Kihitu and Kopu Road areas are also affected.

Access Roads into Whakamahi and Kihitu become blocked.

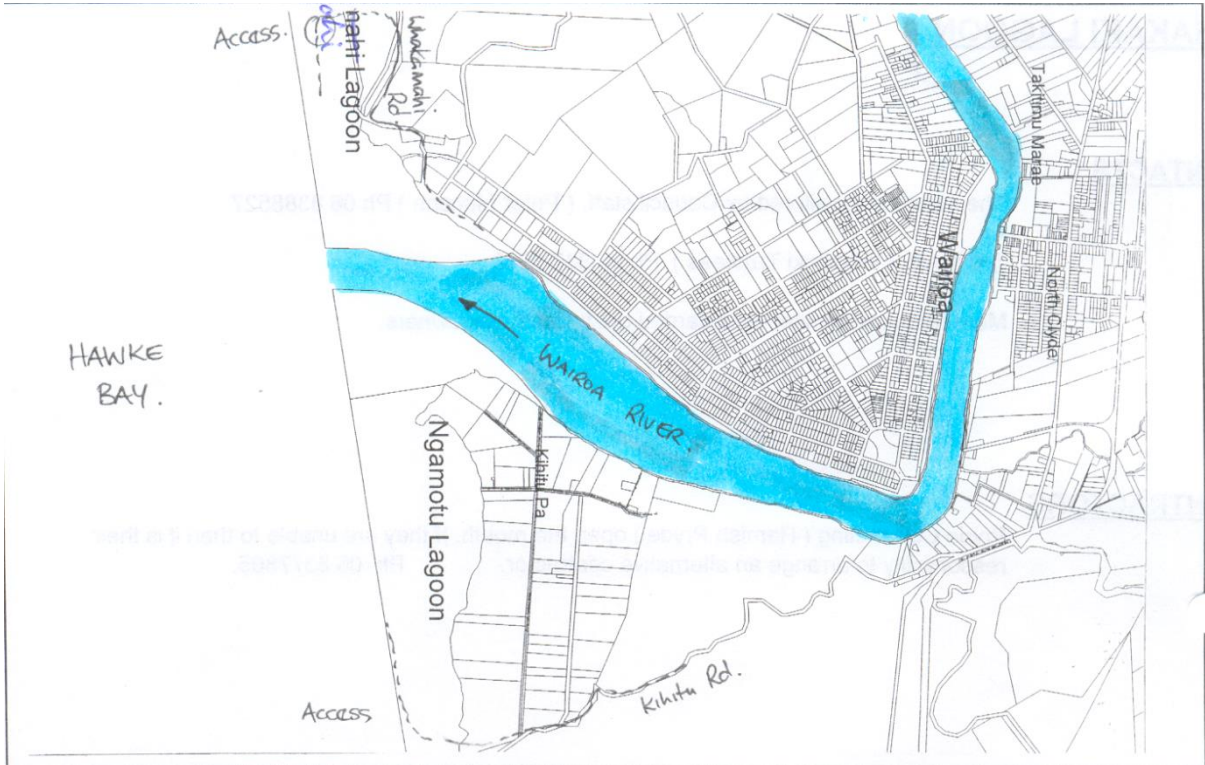
After taking the above into consideration, a significant head of water in the river along with favourable sea conditions is required for a successful mechanical opening.

Ideally all openings should be undertaken at low tide with a relatively flat sea.

Excavated material is to be stockpiled clear of the mouth to minimise chances of re-blocking.

WAIROA RIVER

LOCATION AND ACCESS



Access is available from both side of the river. From the Northern side go through the gate and follow the track off Kihitu Road. (it follows around the toe of the hill) Southern side access is off the end of Whakamahi Road.

IDEAL LOCATION OF MOUTH

