

Kaipara District Council Drinking Water, Wastewater and Sanitary Services Assessments

Meeting: Kaipara District Council
Date of meeting: 27 July 2022
Reporting officer: Donnick Mugutso, Operations Manager

Purpose | Ngā whāinga

To seek approval for the Kaipara District Council's Drinking Water, Wastewater and Sanitary Services Assessments.

Executive summary | Whakarāpopototanga

The Kaipara District Council Drinking Water, Wastewater and Sanitary Services Assessment is presented for Council approval and is an assessment of council and privately owned drinking water, wastewater, and sanitary services in the Kaipara district. The report recommends that Council:

- Continues to provide water supply and addresses the issue of security of water supply in the district
- Continues to provide toilets and cemetery services
- Continues its engagement with neighbouring Councils and Central Government on the Three Waters Programme
- Progresses the climate change work programme as set out in the Council's Kaipara Ki Tua Climate Change Strategic Framework
- Addresses the non-compliances in wastewater consents
- Creates stormwater catchment management plans
- Undertakes works to understand the effects of climate change on the Ruawai and Kaiwaka stopbanks and floodgates.

Once approved, the report will be shared with Taumata Arowai, the Water Services Regulator, and published on the Council website.

Recommendation | Ngā tūtohunga

That Kaipara District Council

- a) Approves the Drinking Water, Wastewater and Sanitary Services Assessment Review 2021/2022 Report - **Attachment A**.
- b) Agrees that the 'Drinking Water, Wastewater and Sanitary Services Assessment Review 2021/2022 Report' be shared with Taumata Arowai, the Drinking Water Regulator

Context | Horopaki

The drinking water, wastewater and sanitary services assessment is an assessment of council and privately owned drinking water, wastewater, and sanitary services in the Kaipara district. A 2021 amendment of the Local Government Act 2002 (LGA, 2002) and the new Water Services Act 2021 (WSA, 2021) requires Territorial Authorities to assess their provision of water and other sanitary services within the district at least once every 3 years. Previous requirements of the LGA, 2002, specified that assessment be undertaken from time to time and not within a specific period. The last assessment for Kaipara District Council (KDC) was in 2006 and assessed the following services:

Water services

- Water supply
- Wastewater services
- Stormwater drainage

Sanitary services

- Wastewater services
- Public toilets
- Cemeteries
- Crematoria

Since the 2006 assessment, the recommendations from that report were completed and the new assessment has identified new risks and recommendations. As required by the WSA, 2021, the assessment will be shared with Drinking Water Regulator, Taumata Arowai and published on the KDC website.

Discussion | Ngā kōrerorero

Part 7, subpart 1 of the Local Government Act 2002 and Part 5 of the Water Services Act 2021 set out the specific obligations on Territorial Authorities to assess their drinking water, wastewater, and sanitary services to ensure communities have safe drinking water and sanitation services. The frequency of assessment is at least once every three years. Table 1 below covers the activities of the assessment.

Table 1: Distribution of Kaipara's Services

Activity	KDC Centres with Service
Drinking Water	5 plus privately owned
Wastewater	6 plus privately owned
Stormwater	Council owned and operated district wide
Public Toilets	30 existing plus 4 under construction
Cemeteries	9 of which 5 are active
Crematoria	None

Kaipara District Council addressed all the recommendations from the 2006 assessments, see Table 2 below. There are new issues that have emerged since the last assessment which include, climate change, district wide higher population growth rate, and the central government's Three Waters Reform Programme.

Table 2: Key changes since 2006 assessment

Status	Previous status
All drinking-water supplied by Council's water supply schemes is compliant with the Drinking-water Standards New Zealand (DWSNZ).	Dargaville, Mangawhai, Ruawai, Glinks Gully and Maungaturoto Water Supply Schemes did not fully meet the requirements of the DWSNZ.
All of Council's water supply schemes have current water take consents.	Water take consents for Maungaturoto, Mangawhai, and Ruawai Water Supply Schemes had expired (note: applications for new water take consents for some of these schemes had been lodged).
The Mangawhai Wastewater Scheme has been constructed and commissioned.	<p>The community was relying on private onsite wastewater treatment and disposal systems.</p> <p>Assessment was that there were elevated levels of public health risk and adverse environmental impact, and the implementation of a reticulated community wastewater scheme was at an advanced planning stage.</p>
All of Council's wastewater treatment plants have current discharge consents.	Discharge consents for the Dargaville, Kaiwaka, Maungaturoto, and Maungaturoto Railway Village Wastewater Treatment Plants had expired (note: applications for new resource consents for some of these facilities had been lodged).
Kaipara District Council Wastewater Drainage Policy [September 2016] and the Kaipara District Wastewater Drainage Bylaw 2016 [September 2016] have been adopted.	This was a recommendation in the previous assessment.
Council has implemented a WOF programme for private onsite wastewater systems within the defined coverage area (as per the Kaipara District Wastewater Drainage Bylaw).	This was a recommendation in the previous assessment.
Climate Change predictions and associated legislative requirements are key issues	Was not recognised as a key issue at the time of the previous assessment.
The district is generally experiencing higher growth rate	Other than Mangawhai and Kaiwaka, the rest of the district was predicted to experience low growth rates
Central government's Three Waters Reform Programme	Was not an issue at the time of the previous assessment

2022 - Assessments Findings and Recommendations

Water Supply

The report found that the Council operated water supplies are providing adequately treated water, evidenced by the full compliance with the drinking water standards of all council owned treated water schemes. Security of supply is an issue during droughts in the district, resulting in regular water restriction imposition. Water supply on council owned facilities need to be assessed for compliance with the new Rules and Standards for drinking water. The Council is addressing the issue where households have used untreated water as potable water on the Dargaville raw water supply. Similar issues in Maungaturoto have been resolved. Kaipara District Council is aware of small privately owned and independently operated community water supply schemes. Council is not the owner and is not required to manage or maintain these schemes. Water cartage operators are required under legislation to provide safe water to households that they supply.

Wastewater

Council's wastewater supply systems are mainly compliant with the various consent conditions. Non-compliances are in Dargaville, Kaiwaka and Te Kopuru and Maungaturoto. Dargaville and Maungaturoto receive excessive volumes to the plant during rain events, while Kaiwaka and Te Kopuru occasionally exceed consents conditions. Additionally, some coastal private onsite wastewater treatment systems are failing. These communities are working with Council to resolve the issue.

Stormwater and Drainage

Council provides stormwater reticulation in major centres in the district. In areas where reticulated stormwater is not provided, roading infrastructure and natural waterways drain the stormwater. There are areas in Mangawhai which experience periodic flooding during high rainfall events. Overall, the stormwater systems operate within the expected level of service. Further assets, hydrologic studies and catchment risk management plans are required in the district. This work is ongoing. Climate change poses a risk to Ruawai and Dargaville drainage systems hence an understanding of the of stopbank and floodgates assets is required.

Sanitary Services – Public Toilets

Public toilets are continually renewed and added in the district with 4 constructed in the 2021/2022 Financial Year. Planning work to upgrade of the Aranga toilet continues.

Sanitary Services – Cemeteries and Crematoria

Council should continue to develop its cemeteries as required to provide supporting infrastructure such as internal access roads and paths, and to prepare the available spare land within the cemeteries in preparation for future burial plots. There are no crematoria in the district; Kaipara relies on neighbouring districts for these services.

The detailed recommendations are in the report (**Attachment A**)

Options

Option 1: Council approves the Drinking Water, Wastewater and Sanitary Services Assessment Review 2021/2022 (DWWSSA) report (**Attachment A**)

This is the recommended option.

Option 2: Council does not approve the Drinking Water, Wastewater and Sanitary Services Assessment Review 2021/2022 (DWWSSA) report (**Attachment A**)

Policy and planning implications

None

Financial implications

Financial budgets is provided for in the LTP will be used to address the recommendations.

Risks and mitigations

The risks and mitigations have been collated and cross-Council responsibility assigned.

Impacts on Māori

None

Significance and engagement | Hirahira me ngā whakapāpā

The decisions or matters of this report are considered to have a low degree of significance in accordance with Council's Significance and Engagement Policy. No feedback is required, and the public will be informed of Council's decision via the agenda and minutes publication of this meeting, on the website and through other channels if appropriate.

Next steps | E whaiake nei

If approved the Drinking Water, Wastewater and sanitary Services Report will be provided to Taumata Arowai and published the on the Council website.

Attachments | Ngā tapiritanga

	Title
A	Drinking Water, Wastewater and Sanitary Services Assessment Review 2021-2022