

Notice of Requirement Taupō District Council

650 Acacia Bay Road, Taupō

Acacia Bay: Wastewater Treatment Plant

27 February, 2025



Planz Consultants

Quality Assurance Statement:

Application Prepared By:

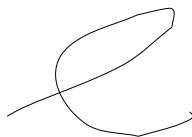
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NOTICE OF REQUIREMENT FOR DESIGNATION PURSUANT TO S168 OF THE RESOURCE MANAGEMENT ACT 1991

1 Introduction

Pursuant to s168 of the Resource Management Act (**the Act / RMA**), Taupō District Council hereby gives notice of its requirement (**Notice**) for a new designation in the Taupō District Plan for the continued operation and maintenance of a wastewater treatment plan (**WWTP**) and associated infrastructure as described below.

Taupō District Council, as a local authority, is an approved requiring authority under s166 of the RMA. The designation is required in order to enable the continued treatment of wastewater to the Acacia Bay, Te Moenga Bay and Whakamoenga Point communities.

2 Description of the site to which this notice applies

The proposed site to which this notice applies is at 650 Acacia Bay Road, Taupō as legally described as Section 5 Block I Tauhara Survey District under the Record of Title SA33D/878. The property is owned by the Taupō District Council.

The location (and details) of the site is shown in **Attachment A**, and a designation table in accordance with the format required by the National Planning Standards is provided as **Attachment B**. The Record of Title is provided in **Attachment C**.

The site and surrounds to the north and east are rural in nature, and are zoned as General Rural Environment in the Taupō District Plan. The site is a rear site served by a 7m wide accessway over a length of some 70m from the frontage with Acacia Bay Road. Refer **Figure 1**.

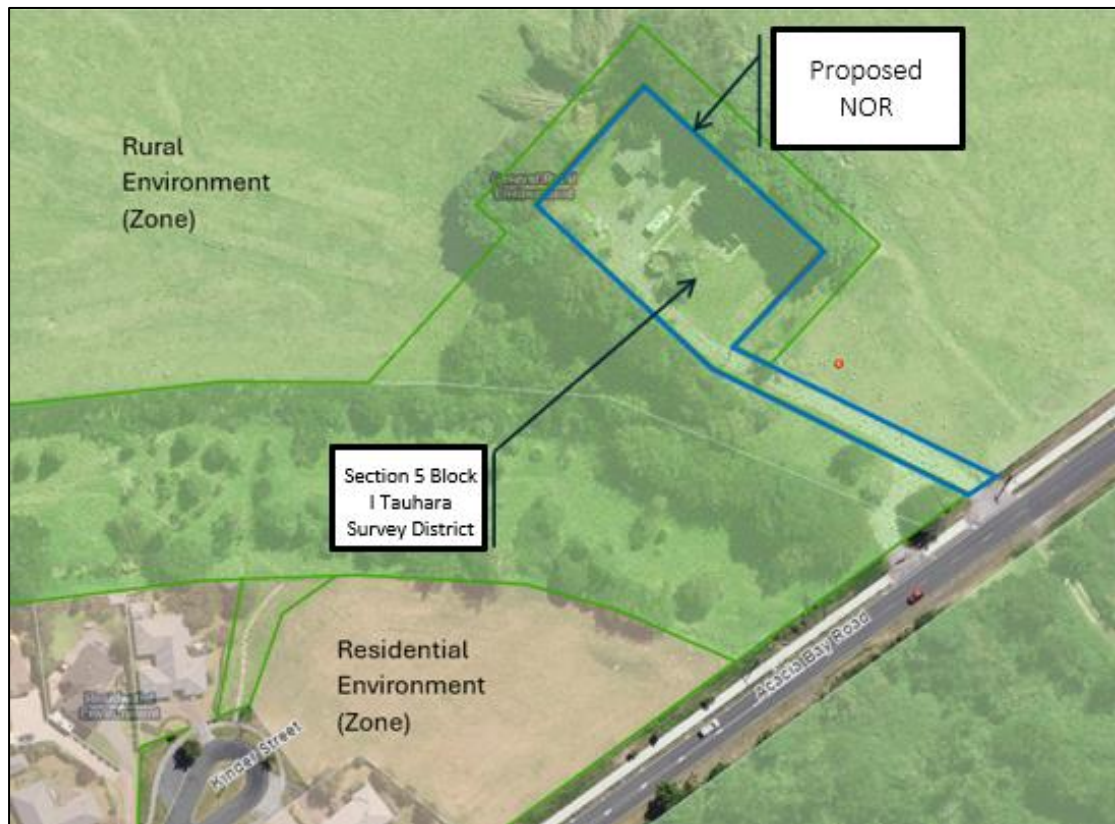
The contouring over the site is flat, with extensive mature trees and landscaping along the northern, western and southern boundaries, albeit located on the adjoining property (652 Acacia Bay Road Lot 1 DPS60352) as also owned by Taupō District Council.

The site is located some 120m to the north of the nearest residential dwelling within the Residential Environment on Kinder Street. The intervening area (also zoned Rural Environment) contains a 50m wide planted recreational corridor which extends from Acacia Bay Road through to Reeves Road.

Physical resources on the site include a modest facility building used for associated office activity, access and manoeuvring areas and screens, a Sequencing Batch Reactor (SBR) system plus small buildings to support the treatment process and pumping units. There are security gates at the access as associated with perimeter fencing. Whilst the accessway to Acacia Bay Road is formed and sealed, the remaining length of the access is compacted gravel.

The property is identified as a 'known contaminated site' in terms of being an identified HAIL (Hazardous Activities and Industries List) site (Category G.6 Wastewater Treatment).

Figure 1: NoR and surrounds (modified from Taupō District Plan)



3 Nature of the proposed works

This Notice relates to a new designation for the **purpose** of the operation and maintenance of infrastructure for wastewater treatment. This allows for the continuing operation of the existing WWTP, tanks and ponds. It is noted that the existing WWTP component of the site is being considered for decommissioning with the network returning to the central Taupō system, in which case the storage and pumping (Wastewater Pumping Station) facilities will be retained on the site. Substantial upgrades are not being considered for this NoR site.

The designation is necessary to continue to provide wastewater treatment to the Acacia Bay, Te Moenga Bay and Whakamoenga Point communities.

4 Assessment of Effects

The designation allows for continued operation and maintenance of the existing wastewater infrastructure. The effects associated with the operational and maintenance of the site are described below.

4.1 Construction effects

WWTP and Wastewater Pumping Station (**WWPS**) infrastructure on the site is already present and operating.

Any additional construction effects will come from regular maintenance activities, and incremental increases in capacity and efficiency to address improvements in discharge quality. Any works associated the prospect of the decommissioning of the WWTP will be limited in scope and short-lived.

Maintenance effects will be short term, localised and temporary, and will not materially change the scale of the infrastructure already present on the site. Existing perimeter planting is anticipated to be retained (although as associated with the adjoining site under Taupō District Council ownership at 652 Acacia Bay Road), therefore visual effects or those associated with rural character will not change. The distance to sensitive receivers in the residential environment to the south, and the intervening landscaped recreational corridor will mean that noise impacts will be considered negligible.

4.2 Operational effects

The operation of the site involves pumping wastewater, and associated treatment. Wastewater treatment will operate automatically, however there are periodic visits by Taupō District Council Officers to take water samples and confirm efficient operations as well as form Sitecare for the removal of treated 'sludge'. There will be other visits for reactive maintenance as and when required. None of these site visits will generate material transport trips to the site. The designation will not alter the existing (lawfully established) operation and frequency of activity being undertaken on the site.

There is no other material effects associated with the operation of the site.

5 Statutory considerations

s171(1) of the RMA sets out that when considering a Notice, a Territorial Authority must, as subject to Part 2, consider the effects on the environment of allowing the requirement, having particular regard to matters s171(a) – (d), as are considered below.

5.1 Section 171(1)(a) Relevant provisions

For completeness, s171(1)(a) of the RMA requires a consideration having regard to –

a) any relevant provisions of—

(i) a national policy statement:

(ii) a New Zealand coastal policy statement:

(iii) a regional policy statement or proposed regional policy statement:

(iv) a plan or proposed plan; and

National Policy Statements (NPS)

There are eight National Policy Statements. The only NPS of relevance is the NPS-Freshwater Management given the nature of the discharge, however these are subject to wider Regional consents as associated with Taupō District Council's municipal wastewater discharge.

The Notice site is not classified as Highly Productive Land under clause 3.5(7) of the NPS-Highly Productive Land. The Land Use Classification for the site is Land Use Capability Class 4¹.

There are no implications in terms of the requirements of the National Policy Statements to the designation.

National Environment Standards (NES)

As the site is recognised as a HAIL site, the requirements of the NES-Assessing and Managing Contaminants in Soil to Protect Human Health prevail over a designation².

Waikato Regional Policy Statement (WRPS)

Part 3 – Topic EIT Energy, Infrastructure and Transport relates to the integration of land use planning with infrastructure.

Policy EIT-P1 seeks that the built environment is managed having particular regard to ensuring that the effectiveness and efficiency of existing and planning regionally significant infrastructure is protected.

Part 3 – Topic Urban Form and development relates to co-ordinating growth and infrastructure, including **Policy UFD-P2** which seeks that *'the efficient and effective functioning*

¹ <https://waikatomaps.waikatoregion.govt.nz/Viewer/?map=3e5673e57fa24e89a30e54b7fb8511d5>

² Section 43D(4)

of infrastructure ... is maintained, and the ability to maintain and upgrade that infrastructure is retained’.

This Notice is considered to be consistent with the WRPS objectives and policies, specifically IM-O1(4), EIT-P1 and UFD-P2.

The designation of this site will enable the effective continued operation of the wastewater network to provide for the social and economic wellbeing of the Acacia Bay, Te Moenga Bay and Whakamoenga Point communities.

Waikato Regional Plan

Made operative in September 2007, the Waikato Regional Plan does not contain rules specifically relating to infrastructure assets.

In terms of discharges, Section 3 – Water Module seeks to enable discharges to water with only minor effects, with Policy 3 seeking alternative land-based treatment systems being promoted. These matters are the subject of the relevant Regional Council resource consent (122518) held by Taupō District Council which is due for renewal in 2035 and is not affected by the designation proposal.

Regional Consent 122518 also contains requirements associated with the preparation and implementation of an Operations and Management Plan (**OMP**) (**Attachment D, Condition 17**). The requirement for an OMP responds to Part 3 / Air of the Waikato Regional Plan, including **AIR-O1(3)** and **AIR-P3** that seek to manage air quality in a way that avoids, where practicable, adverse effects on local amenity values from discharges of odour with objectionable effects to be managed at the property boundary.

Taupō District Plan

The Taupō District Plan recognises Wastewater Treatment Plants as Regionally Significant Infrastructure³.

Strategic Objectives in the Taupō District Plan seek that the district develops in a cohesive, compact and structured way, including that ensuring infrastructure is efficiently and effectively integrated with land use (**Objective 2.3.2.1**).

Strategic Objective 2.5.2.1 seeks that:

The wider benefits and strategic importance of Nationally and Regionally Significant Infrastructure, to the District and wider, are recognised in decision making and land use planning.

Associated Policies 2.5.3.4 and 2.5.3.5 seek:

Planning and development of national and regional infrastructure will consider the needs and the well-being of current and future communities.

³ Taupō District Plan. Chapter 10 Definitions.

Recognise that national and regional infrastructure can have important environmental, economic, cultural and social effects.

The Taupō District Plan seeks (**Objective 3n.2.1**) to enable the operation, maintenance and upgrading of network utilities (which extends to networks for the reticulation of wastewater), which ensuring that network utilities are designed and located to manage adverse effects on the environment and protect the health and safety of the community (**Objective 3n.2.2**). A specific policy (**Policy 3n.2.1(iii)**) requires regard be had to the contribution of network utilities to the functioning and wellbeing of the community.

The proposed designation site has been in operation for a number of years, and is located on land owned by the Taupō District Council. The site is located some distance from the nearest sensitive residential dwelling, and is also located behind mature landscape screening planted on the adjacent site as discussed. The site and associated infrastructure provide for the wellbeing of the local Acacia Bay, Te Moenga Bay and Whakamoenga Point communities.

5.2 Section 171(1)(b) Adequate consideration given to alternatives

For completeness, s171(1)(b) of the RMA requires consideration having regard to –

(b) whether adequate consideration has been given to alternative sites, routes, or methods of undertaking the work if—

(i) the requiring authority does not have an interest in the land sufficient for undertaking the work; or

(ii) it is likely that the work will have a significant adverse effect on the environment; and

Taupō District Council as owner of the site has financial interest in the site. In addition, it is not considered that the works associated with the designation will have significant adverse effects on the environment.

The site has been operating as a community WWTP for a number of years and is the subject of appropriate Regional Council consents.

In conclusion, no consideration of alternative sites has been given, and the effects of continued operation and maintenance will be negligible. No other methods have been considered.

5.3 Section 171(1)(c) reasonably necessary

s171(1)(c) of the RMA requires consideration having regard to whether the work and designation are reasonably necessary for achieving the objectives of the requiring authority for which the designation is sought.

It is considered that the new designation, as a planning tool, is necessary to allow the Taupō District Council, as Requiring Authority, appropriate management and control to ensure a safe and secure wastewater treatment network is supplied for the Acacia Bay, Te Moenga Bay and Whakamoenga Point communities. The alternative, as is the existing status quo is continued reliance on the Taupō District Plan rules and / or the resource consent process. It is considered that these options do not provide certainty or a long term solution to effectively

and efficiently address the ongoing use of the existing WWTP. Designation is also necessary across the wider network of the Taupō District Council's network of water and wastewater infrastructure.

5.4 Section 171(1)(d) 'any other matter'

Improving resilience and reducing environmental impacts through appropriate maintenance and upgrades of infrastructure associated with WWTP Infrastructure is a primary objective of the Notice.

The Notice and associated works will assist the Taupō District Council in terms of managing the effects of wastewater, including ensuring appropriate levels of treatment and reducing nitrogen levels. Noting again that the Notice (and any subsequent Outline Plan as required pursuant to s176A of the RMA) does not extend to wastewater discharges or treatment.

Broader engagement between the Taupō District Council and local iwi and hapu has identified common ground to secure improvements within the wastewater treatment train and to avoid wastewater (including treated wastewater) entering waterways in the district. Maintenance and upgrades to the Acacia Bay WWTP will be consistent with the approach undertaken by the Taupō District Council as facilitated at its largest wastewater plants (Taupō, Tūrangi and Mangakino) as well as smaller plants (Motuoapa and Whakamaru) to reduce nitrogen discharges into the Lake Taupō catchment.

It is acknowledged that Ngāti Tūwharetoa hold mana whenua and kaitiakitanga over the Central North Island including the Lake Taupō catchment and part of the Waikato River, Upper Waikato, Whanganui, Rangitikei and Rangitaiki catchments.

This approach is also consistent with key policy documents which are aimed at improving water quality throughout the District's catchments. These documents include Te Ture Whaimana o Te Awa o Waikato - Vision and Strategy for the Waikato River for the Waikato River catchment, Te Ara Whānui o Rangitāki – Pathways of the Rangitāki for the Rangitāki catchment, and Te Kaupapa Kaitiaki', a plan developed for the Taupō catchment.

6 Consultation

No consultation has been undertaken or is considered necessary.

7 Conclusion

Taupō District Council gives notice of its requirement to designate land related to an existing WWTP and WWPS. The preceding assessment of effects concludes that the effects associated with the maintenance and operation of the facility will be minimal. Overall, it is concluded that the designation is consistent with the relevant statutory provisions and the principles and purpose of the RMA.

Attachment A: Acacia Bay WWTP (650 Acacia Bay Road)

Designation	Detail
Legal Description	Section 5 Block I Tauhara Survey District
Site Address	650 Acacia Bay Road
Landowner	Taupō District Council
Purpose of the Site	Operation and maintenance of infrastructure for wastewater treatment purposes.
Area of Designation / Site Plan	2897m² 

Site Plan (Existing)	
Site Plan (Proposed)	No Change
Description of the activity	The following provides a description of the works and environment using s176A(3) as a basis. Consideration against the requirements of s171(1) is provided in the main report. General: Operating Wastewater facility <i>The height, shape, and bulk of the public work, project, or work:</i> The site incorporates a 125m² office building / depot, and associated parking and vehicle manoeuvring areas. Specific wastewater facilities include screens, oxidation ponds / aeration ponds plus small buildings to support the treatment process and pumping units. The site is fenced and gated for security. <i>The location on the site of the public work, project or work:</i> The site is located to the north east of the Acacia Bay / Te Moenga Bay residential area, as accessed to Acacia Bay Road via a 70m long access leg. The nearest dwelling in the Residential Environment is located some 125m to the southwest, with the intervening landscaped Council recreational corridor in the

	interim. The nearest dwelling in the Rural Environment is located some 300m to the north. <i>The likely finished contour of the site:</i> The only works considered for the site within the life of the Taupō District Plan relate to decommissioning of wastewater treatment facilities (with wastewater pumping functions to be retained). The contour, which is level, will not change. <i>Vehicular access, circulation and the provision for parking:</i> Activities will not generate material vehicle trips on the network. The site is accessed directly from Acacia Bay Road. The immediate (main) access crossing to the site is formed, with the balance of the access leg being unformed with a surface comprised of compressed gravels. Security gates to the facility are located well within the site, avoiding any issues of vehicles queuing at Acacia Bay Road. There is also a secondary informal formed crossing via Acacia Bay Road as located on 652 Acacia Bay Road – this does not form part of the Notice. There are no other vehicle crossings directly serving properties onto Acacia Bay Road within 350m in either direction of the vehicle crossing(s) associated with the site. Ample parking and circulation exist in the vicinity of the WWTP for any service vehicles. <i>The landscaping proposed</i> No further landscaping is proposed. There is considerable mature landscaping along the northern, southern and western perimeter of the site. It is acknowledged that that landscaping is associated with the property at 652 Acacia Bay Road, however as that property is also owned by Taupō District Council its reliance for screening activities at the WWTP will be retained. Views of low level structures and facilities located on the site as viewed from Acacia Bay Road are both fleeting as glimpsed between existing landscape, and at a distance. <i>Any other matters to avoid, remedy or mitigate adverse effects on the environment:</i> There are no effects from arising from the site and activities that require consideration. Odour is managed through both the design and management of the WWTP and separation to sensitive receivers as well as the requirements of Regional Council Consent 122518.
Established / Upgraded	The WWTP is pre-existing.

Relevant Resource Consents	Regional Council Consent 122518 (Discharge Air)
Recommended Conditions	No
Zoning and Overlays	Zone: General Rural Environment Overlays: • NA

Attachment B: Designation Table

Acacia Bay Wastewater Treatment Facility	
Designation unique identifier	TDCXX
Designation Purpose	Wastewater Treatment Facility
Site Identifier	650 Acacia Bay Road, Taupō
Lapse Date	Given effect to
Designation hierarchy under s177 of the Resource Management Act	Primary
Conditions	No
Additional information	n/a

Attachment C: Record of Title



**RECORD OF TITLE
UNDER LAND TRANSFER ACT 2017
FREEHOLD**

**Guaranteed Search Copy issued under Section 60 of the Land
Transfer Act 2017**




R.W. Muir
Registrar-General
of Land

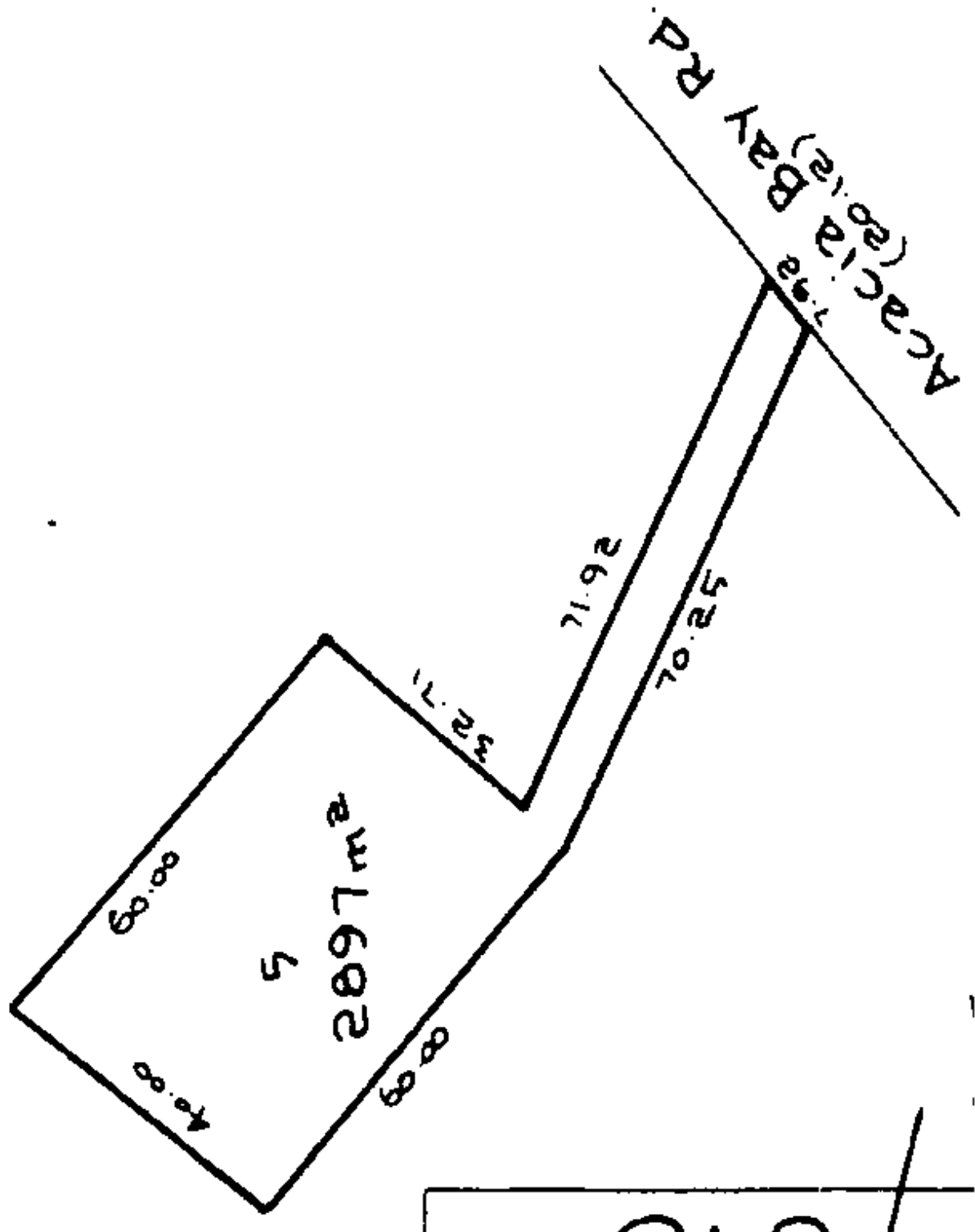
Identifier SA33D/878
Land Registration District South Auckland
Date Issued 05 July 1985

Prior References
GN H543156

Estate	Fee Simple
Area	2897 square metres more or less
Legal Description	Section 5 Block I Tauhara Survey District
Purpose	Sewage treatment plant
Registered Owners	
Taupo District Council	

Interests

Bik. 1 Tauhara S.D.



Attachment D: Regional Consent AUTH122518

Resource Consent Certificate

401 Grey Street
Hamilton East
Hamilton 3216

Private Bag 3038
Waikato Mail Centre
Hamilton 3240

ph +64 7 859 0999
fax +64 7 859 0998

www.waikatoregion.govt.nz

Resource Consent: AUTH122518.01.01

File Number: 60 55 06A

Pursuant to the Resource Management Act 1991, the Waikato Regional Council hereby grants consent to:

Taupo District Council
Private Bag 2005
Taupo Mail Centre
Taupo 3352

(hereinafter referred to as the Consent Holder)

Consent Type: Discharge permit

Consent Subtype: Discharge to land

Activity authorised: Discharge up to 920 cubic metres per day of treated wastewater from the Acacia Bay Wastewater Treatment Plant to land

Location: Acacia Bay Road – Taupo (Acacia Bay SBR)

Spatial References: NZTM1864098E, 5712524N

Consent Duration: This consent will commence on the date of decision notification, unless otherwise stated in the consent's conditions, and expire on 25th October 2035

Subject to the conditions overleaf:

General

1. The wastewater discharge shall be undertaken in manner that is consistent with the application document and other documents that supported the application which are titled:
 - i. *"Taupo District Council, Acacia Bay Wastewater Treatment Plant Application for Resource Consent and Assessment of Effects, 650 Acacia Bay Road, February 2011 (DM#1921037),*
 - ii. *Taupo District Council, Acacia Bay Wastewater Discharge Consent Application, 'Amendments to application', letter dated 15 April 2013, (DM#2383498),*
 - iii. *Taupo District Council, Process Optimisation of Kinloch, Acacia Bay, Waitahanui and Motuoapa Wastewater Treatment Plants: Process Review, August 2012 (DM#2245414),*

Subject to the resource consent conditions below, which shall prevail should there be any inconsistencies between the conditions and application documents.

2. The consent holder shall pay the Waikato Regional Council any administrative charge fixed in accordance with section 36 of the Resource Management Act 1991, or any charge prescribed in accordance with regulations made under section 360 of the Resource Management Act 1991.

Discharge quantity

3. The maximum volume of treated wastewater discharged to the ground shall not exceed 920 cubic metres per day (**920m³/day**). For the purposes of this authorisation one day is any 24 hour consecutive period of time.

Discharge quality

4. The consent holder shall ensure the discharge complies with the following limits:
 - i. the annual median total nitrogen (TN) concentration shall not exceed **6** grams per cubic metre and the 90th percentile shall not exceed **25** grams per cubic metre,
 - ii. the daily load of total nitrogen (TN) shall not exceed **7.5** kilograms per day,
 - iii. the annual total nitrogen (TN) load shall not exceed **700** kilograms per year for the year commencing 1 July and ending 30 June,
 - iv. the annual average total phosphorus (TP) concentration shall not exceed **8.0** grams per cubic metre,
 - v. the annual total phosphorus (TP) load shall not exceed **650** kilograms per year for the year commencing **1 July** and ending **30 June**.

Method of discharge to land

5. The consent holder shall within **eighteen months** of the commencement date of this consent, submit a (draft) 'Strategy for enlarging the wastewater discharge system' for approval by the Waikato Regional Council acting in a technical certification capacity.
6. The consent holder shall within **twenty four months** of the commencement date of this consent, investigate, develop and implement a strategy for enlarging the wastewater discharge system. The objective of the strategy is:
 - i. to demonstrate that the current daily loading rate (DLR) of the wastewater is reduced by at least twenty five percent,
 - ii. to ensure that the reduced DLR is not diminished (i.e. increased) as average daily flows rise over the duration of this consent.
 - iii. to have the enlarged wastewater discharge system constructed and commissioned within **thirty months** of the date of consent commencement.
7. For purposes of condition (6) the current daily loading rate (DLR) of the wastewater, is determined by the average daily flow for the period **01 July 2014 to 30 June 2015**, and the footprint (plan area) of the wastewater soakage beds as at **May 2015**.
8. At all times the loading rate of wastewater to land shall not exceed the hydraulic absorptive capacity of the soils.

9. There shall be no overland discharge of wastewater (i.e. leakage to the ground surface) from any part of the wastewater treatment plant or the discharge system.

Plant performance monitoring

10. The consent holder shall monitor and record the daily wastewater influent, and effluent discharge volumes.
11. The quality of the discharge shall be determined by the consent holder who will monitor the following parameters: Total nitrogen (TN), ammoniacal-nitrogen ($\text{NH}_4\text{-N}$), nitrate-nitrogen ($\text{NO}_3\text{-N}$), total phosphorus (TP), suspended solids (SS), 5-day carbonaceous biochemical oxygen demand (cBOD_5), *Escherichia coliform* bacteria (*E.coli*) and chloride (Cl). The programme of monitoring shall measure:
- the concentrations of TN, $\text{NH}_4\text{-N}$, $\text{NO}_3\text{-N}$, TP, SS, cBOD_5 , *E.coli* and Cl at weekly intervals,
 - minimum and maximum daily concentrations, and monthly average concentrations based on weekly monitoring intervals,
 - minimum and maximum daily mass loads, and monthly average mass loads based on weekly monitoring intervals,
 - the annual mass of total nitrogen discharged from the plant based on the average monthly flow and mass load totals, or part thereof at the time of reporting.
12. The consent holder shall to the approval of the Waikato Regional Council acting in a technical certification capacity, define a discharge sampling location and the sampling methods to be used for monitoring the parameter concentrations in conditions 4, 11 and 14.
13. All wastewater quality analyses shall be undertaken by an IANZ accredited or equivalent laboratory. All methods used shall be appropriate for the wastewater analyses undertaken.

Receiving environment monitoring and reporting

14. The consent holder shall retain and review as necessary a monitoring programme to evaluate the environmental effects of the discharge. This programme shall be to the approval of Waikato Regional Council acting in a technical certification capacity and shall include the following:
- the continuance of groundwater quality and contaminant migration monitoring which shall comprise a control bore (TDCACB-Control), four down-gradient monitoring bores and a surface water spring (TDCAB-1, TDCAB-2, TDCAB-3, TDCAB-4 and TDCAB-SEEP),
 - the taking of groundwater samples from the monitoring bores, and the spring at **quarterly intervals** each year (three monthly).
 - the analysis of all samples for Total Nitrogen (TN), nitrate-nitrogen ($\text{NO}_3\text{-N}$), ammoniacal-nitrogen ($\text{NH}_4\text{-N}$), Total Phosphorus (TP), conductivity (COND), *Escherichia coliform* bacteria (*E.coli*) and chloride (Cl),
 - the measuring of groundwater levels in the monitoring bores at **quarterly intervals** each year (three monthly).
15. In accordance with condition 14(iii) of this consent, if a significant increase (95% confidence) in nitrate-nitrogen ($\text{NO}_3\text{-N}$) concentration is observed in groundwater monitoring bores closest to the lake, the consent holder shall within **six months of the tenth anniversary** of consent commencement and again within six months of the consent expiry date, provide a specialist environmental monitoring report to the Waikato Regional Council. The report shall examine and conclude the effects of the wastewater discharge on the near shore zone of Lake Taupo below the wastewater plant.
16. In accordance with condition 14(iii) of this consent, the consent holder shall notify the Waikato Regional Council within **48 hours** of (the consent holder) becoming aware of *Escherichia coliform* bacteria (*E.coli*) concentrations exceeding 100cfu/100ml in groundwater monitoring bore TDCAB-2, or an alternative groundwater monitoring bore that is no further than 42 metres below the most down-gradient of the wastewater disposal trenches. Should an exceedance occur the consent holder shall within **10 working days** of receiving the groundwater sample laboratory analysis report, provide a written report to the

Waikato Regional Council identifying the exceedance and the possible causes, which may include but not be limited to an investigation of the treatment plant operation and required action to prevent re-occurring bacterial concentration exceedances in the groundwater.

Site management

17. The consent holder shall retain and review as necessary an Operations and Management Plan (OMP) for this site. This Plan shall be prepared by a suitably qualified and experienced person and shall detail how the treatment and disposal system will be operated and maintained to ensure compliance with the conditions of this consent. As a minimum the Plan shall include the following matters:
 - i. a comprehensive description of the treatment and discharge system,
 - ii. a description the routine inspection, maintenance and operations monitoring procedures undertaken to ensure effective plant operation;
 - iii. responsibilities of Management and Operations personal including notification protocols for unforeseen and extreme events,
 - iv. procedures for monitoring the performance of the treatment system and the effects of discharge on groundwater,
 - v. contingency measures to address unforeseen and extreme events,
 - vi. a complaints register and response procedures,
 - vii. recording of improvements undertaken to the treatment plant and discharge system,
 - viii. recording of routine maintenance and repairs undertaken,
 - ix. reporting of routine monitoring results, unforeseen and extreme events, complaints and an annual monitoring report,
 - x. Operations and Management Plan review,
 - xi. a copy of discharge consents 122518.01.01 and 122519.01.01.
18. The Operations and Management Plan (OMP) shall be lodged with the Waikato Regional Council within **three months** of commencement of this consent. The OMP shall be retained and reviewed every two years in order to account for any changes in plant configuration, operation or management. An electronic copy of the OMP shall be provided to Waikato Regional Council within **10 working days** of a written request to do so.
19. The wastewater treatment and discharge system shall be operated, maintained and managed by appropriately experienced personnel in accordance with the Operations and Management Plan pursuant to condition 17 of this consent.
20. The consent holder shall ensure contractors are made aware of the conditions of this resource consent and shall take all reasonable steps to ensure contractors are able to comply with those conditions.

Note: An example of a reasonable step to ensure contractors are able to comply with the conditions is to require them to be familiar with the Operations and Management Plan required by condition 17.
21. Any erosion control works that become necessary as a result of the wastewater discharge, such as tomo formation, shall be undertaken at the expense of the consent holder.
22. The consent holder shall maintain a register for all complaints received about the treatment and discharge operations. The Register which is to be made available to the Waikato Regional Council at all reasonable times shall record:
 - i. The date, time and duration of the alleged event/incident that has resulted in the complaint,
 - ii. The name and address of the complainant, unless the complainant wishes to remain anonymous,
 - iii. The location of the complainant when the alleged event/incident was detected,
 - iv. The possible cause of the alleged event/incident,
 - v. The weather conditions and wind direction at the site when the event/incident allegedly occurred, if significant to the complaint,

- vi. Any corrective or proposed actions undertaken by the consent holder in response to the complaint.

Note: This can be the same Register required under consent 122519.01.01 (discharge of contaminants to air).

- 23. Complaints which indicate non-compliance with the conditions of this resource consent shall be forwarded to the Waikato Regional Council within **5 working days** of the complaint being received.
- 24. The consent holder shall erect a sign at the entrance to the Wastewater Treatment Plant which provides the contact telephone numbers of first response personal in the event of an emergency, complaint or enquiry. The sign shall also include the words 'warning-health risk', along with 'sewage treatment and disposal area'.

Reporting

- 25. The consent holder shall forward the results of the plant performance monitoring required by conditions 10 and 11 to the Waikato Regional Council, at six-monthly intervals by **January 30th** and **July 30th** respectively, in an agreed analyses report and data format unless otherwise confirmed in writing by Waikato Regional Council.
- 26. The results of the environmental monitoring required by condition 15 shall be provided to the Waikato Regional Council at six-monthly intervals by **January 30th** and **July 30th** respectively, in an agreed analyses report and data format unless otherwise confirmed in writing by Waikato Regional Council.
- 27. The consent holder shall provide to the Waikato Regional Council a written report by **30 October** each year, addressing the following:
 - i. A summary of all monitoring results required by conditions of this resource consent for the year ending **30 June**;
 - ii. Critical analysis of the monitoring data collected and comments on any emerging trends;
 - iii. Comment on compliance with the conditions of this resource consent;
 - iv. Comment on the performance and adequacy of the disposal system, matters of compliance;
 - v. Comment on the effects of the discharge on ground and surface water,
 - vi. Any reasons for non-compliance or difficulties in achieving compliance with the conditions of this resource consent and a description of and a summary of the efficacy of any remedial works undertaken; and
 - vii. Any other issue considered relevant to the consent holder.
- 28. The consent holder shall notify the Waikato Regional Council within **24 hours** (where practicable) of the consent holder becoming aware of any accidental discharge, plant breakdown or other circumstance which is likely to result in the limits of this consent being exceeded. The consent holder shall, within **seven working days** of the incident occurring, provide a written report to the Waikato Regional Council, identifying the non-compliance, possible causes and steps to ensure future compliance, which may include but not be limited to an investigation of the treatment plant operation and capabilities, bore monitoring and the implementation of remedial action to prevent recurring non-compliance.

Review

- 29. The Waikato Regional Council may in November of **2018, 2023, 2028 and 2033** serve notice on the consent holder under section 128(1) of the Resource Management Amendment Act 1991, of its intention to review the conditions of this resource consent for the following purposes:
 - i. To review the effectiveness of the conditions of this resource consent in avoiding or mitigating any adverse effects on the environment from the exercise of this resource consent and if necessary to avoid, remedy or mitigate such effects by way of further or amended conditions; or

- ii. To review the adequacy of and the necessity for monitoring undertaken by the consent holder and specifically to review the frequency of record keeping and the method of record collection for the purposes of determining the most appropriate method and frequency; or
- iii. To add or amend consent conditions in light of monitoring results as detailed within conditions 15 and 16 and/or changed environmental conditions, to require the holder of this resource consent to adopt the best practicable option to remove or reduce adverse effects on the surrounding environment.

Note: Costs associated with any review of the conditions of this resource consent will be recovered from the consent holder in accordance with the provisions of section 36 of the Resource Management Act 1991.

In terms of s116 of the Resource Management Act 1991, this consent commences on 25th October 2015

Advice notes

Summary of monitoring requirements, discharge consent 122518.01.01

Frequency	Monitor	Parameter	Reporting
Daily	Discharge flow	m ³ /day	Notify exceedance in 24hrs Six monthly data
Weekly	Discharge parameters	cBOD ₅ , SS, TN, NO ₃ -N, NH ₄ -N, TP, <i>E.coli</i> , Cl	Notify exceedance in 24hrs Six monthly data
Quarterly	Groundwater monitoring bores [i.e. piezometers]	NO ₃ -N, NH ₄ -N, TP, COND, WL, <i>E.coli</i> , Cl	Six-monthly data
Quarterly	Specific groundwater indicator monitoring bore for public health protection	<i>E. coli</i> bacteria	Only if <i>E. coli</i> detection limit in nominated bore is exceeded
Annually	Monitoring report	All	Annually
10-yr and 20-yr	Environmental effects	Specialist Assessment	10 th anniversary & 6-months before expiry.

Legend:

cBOD ₅	Carbonaceous Biochemical Oxygen Demand	COND	Electrical Conductivity
SS	Suspended Solids	WL	Water level in bores
TN	Total Nitrogen	Cl	Chloride
NO ₃ -N	Nitrate Nitrogen	FC	Faecal Coliforms
NH ₄ -N	Ammoniacal Nitrogen	NO ₂ -N	Nitrite Nitrogen
TP	Total Phosphorus	<i>E.coli</i>	Escherichia coliform bacteria

1. In accordance with section 125 RMA, this consent shall lapse five (5) years after the date on which it was granted unless it has been given effect to before the end of that period.
2. This resource consent does not give any right of access over private or public property. Arrangements for access must be made between the consent holder and the property owner.
3. This resource consent is transferable to another owner or occupier of the land concerned, upon application, on the same conditions and for the same use as originally granted (s.134-137 RMA).
4. The consent holder may apply to change the conditions of the resource consent under s.127 RMA.
5. The reasonable costs incurred by Waikato Regional Council arising from supervision and monitoring of this/these consents will be charged to the consent holder. This may include but not be limited to routine inspection of the site by Waikato Regional Council officers or agents, liaison with the consent holder, responding to complaints or enquiries relating to the site, and review and assessment of compliance with the conditions of consents.
6. Note that pursuant to s333 of the RMA 1991, enforcement officers may at all reasonable times go onto the property that is the subject of this consent, for the purpose of carrying out inspections, surveys, investigations, tests, measurements or taking samples.
7. If you intend to replace this consent upon its expiry, please note that an application for a new consent made at least 6 months prior to this consent's expiry gives you the right to continue exercising this consent after it expires in the event that your application is not processed prior to this consent's expiry.