

Resource Consent Certificate

Resource Consent Number: 103845
File Number: 60 39 24A

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

Hauraki District Council
P O Box 17
Paeroa 2951

(hereinafter referred to as the Consent Holder)

Consent type: Discharge Permit
Consent subtype: Discharge to Water

Activity authorised: Discharge up to 6050 cubic metres per day of treated sewage to the Puhanga Canal and to discharge effluent to ground via seepage from an oxidation pond and gravel filter beds

Location: (Ngatea Sewage) Phillips Rd - Ngatea
Map Reference: NZMS260 T12:323-321

Consent duration: Granted for a period to expire on 31 October 2015

Subject to the conditions overleaf:

CONDITIONS

General

1. The discharge of treated effluent and associated upgrading works shall be constructed, operated and maintained in accordance with the application for this resource consent and the document titled "Hauraki District Council, Ngatea Wastewater Treatment Plant, Assessment of Environmental Effects and Discharge Permit Application Supporting Information" dated June 2000 by Bruce Wallace Partners Limited, Project Number 8864.
2. The plant shall be constructed and maintained such that it shall not be subject to inundation from floodwaters during a 1% exceedence storm event.
3. The treatment plant shall be managed and operated by an appropriately trained operator.
4. The consent holder shall be responsible for all sub-contracted operations related to the exercise of this resource consent and must ensure sub-contractors are made aware of the conditions of this resource consent and ensure compliance with those conditions.
5. The consent holder shall pay to 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.

Discharge Limits

6. The maximum discharge rate shall not exceed 6000 cubic metres per day of treated sewage to the Puhunga Canal.
7. The following limits shall apply to the discharge to the Puhunga Canal from the Ngatea Sewage Treatment Plant prior to and during the upgrading of the Ngatea Sewage Treatment Plant or up to 2 years after commencement of this consent (whichever is the lesser). Not more than one sample (or two samples if 20 or more samples are taken in the 12 month period) taken in the 12 months up to and including the date of each sample shall exceed the following limits:

Parameter	Limit *
BOD ₅	85
Suspended Solids	190
Ammoniacal Nitrogen	35
Dissolved Reactive Phosphorus	12
Faecal Coliforms (MPN/100 mL)	500,000

* All values are in g/m³ unless otherwise stated.

The limits shall be based on every sample taken in accordance with condition 12 of this consent, any other samples taken of the discharge by the consent holder and any samples taken by Waikato Regional Council staff of the discharge that have been provided to the consent holder.

Notwithstanding the stated limits, the consent holder shall make all reasonable and practical efforts to ensure that final effluent quality is maximised within the capabilities of the treatment system in operation.

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8. The following limits shall apply to the discharge to the Puhunga Canal from the Ngatea Sewage Treatment Plant following completion of the upgrading of the Ngatea Sewage Treatment Plant or after two years after commencement of this consent (whichever is the lesser). Not more than one sample (or two samples if 20 or more samples are taken in the 12 month period) taken in the 12 months up to and including the date of each sample shall exceed the following limits:

Parameter	Limit*
BOD ₅	60
Suspended Solids	70
Ammoniacal Nitrogen	30
Total Nitrogen	36
Dissolved Reactive Phosphorus	14
Faecal Coliforms (MPN/100 mL) or equivalent E. coli as determined by the process described in condition 9.	90,000

* All values are in g/m³ unless otherwise stated.

The limits shall be based on every sample taken in accordance with condition 12 of this consent, any other samples taken of the discharge by the consent holder and any samples taken by Waikato Regional Council staff of the discharge that have been provided to the consent holder.

Notwithstanding the stated limits, the consent holder shall make all reasonable and practical efforts to ensure that final effluent quality is maximised within the capabilities of the treatment system in operation.

9. The consent holder shall report to the Waikato Regional Council within three months after both E. coli and faecal coliform monitoring required by condition 12 (b) is completed. This report shall include a recommendation based on this monitoring for a (1 in 12 and 1 in 20) 95 percentile E. coli limit to replace the faecal coliform limit in condition 8 by written agreement from the Programme Manager, Utilities, Waikato Regional Council.
10. The discharge, after initial mixing shall not result in the production of conspicuous oil, grease, scums or foams, or floatable or suspended materials.
11. The consent holder shall notify the Waikato Regional Council as soon as practicable and as a minimum requirement within 24 hours, of the consent holder becoming aware of the limits specified in conditions 6, 7, 8 and 9 of this resource consent being exceeded and of any accidental discharge, plant breakdown, or other circumstances which are likely to result in the limits of this resource consent being exceeded. The consent holder shall, within 7 days of the incident occurring, provide a written report to the Waikato Regional Council, identifying the exceedance, possible causes, steps undertaken to remedy the effects of the incident and measures that will be undertaken to ensure future compliance.

Monitoring and Reporting

12. The consent holder shall characterise the quality, quantity and variability of the discharge to the satisfaction of the Waikato Regional Council. To this end, the consent holder shall, unless otherwise required to do so by the Waikato Regional Council in writing following consultation with the consent holder, characterise and report on the discharge at a point prior to discharge as follows:

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- a) Monitor by single grab sample for the following parameters: biochemical oxygen demand, suspended solids, dissolved reactive phosphorus, total phosphorus, total ammoniacal nitrogen, total kjeldahl nitrogen, nitrate nitrogen, pH.
 - b) Faecal coliform shall be monitored by single grab sample until after the upgrade of the Ngatea Sewage Treatment Plant is completed. After the upgrade is completed, both faecal coliforms and E. coli shall be monitored for a period of 12 months by single grab sample, after which time only E. coli shall be monitored by single grab sample.
 - c) Prior to any works commencing on site, monitoring shall be on a monthly basis and from the outlet of the oxidation pond.
 - d) During upgrade works and for a period of at least 12 months after the completion of the upgrade, sampling shall be on a fortnightly basis and at an appropriate point at the end of the treatment system.
 - e) The monitoring shall revert back to a monthly frequency following 12 months of results showing full compliance with the limits in conditions 7 and 8.
13. The consent holder shall characterise and report on the quality of water in the Piako River system to the satisfaction of the Waikato Regional Council undertaking monitoring by single grab sampling for Total Phosphorus at three monthly intervals in the Piako River at Ngatea.
14. All sample analyses shall be undertaken in accordance with the methods detailed in the "Standard Methods For The Examination Of Water And Waste Water, 1998" 20th edition by A.P.H.A. and A.W.W.A. and W.E.F., or any other method approved in advance by the Waikato Regional Council.
15. The consent holder shall provide to the Waikato Regional Council a written report by ~~31 July~~ ~~December~~ 30 September each year that this consent is current. As a minimum this report shall include the following:
- (a) a summary of the monitoring results required by the conditions of this resource consent and a critical analysis of the information in terms of compliance and environmental effects,
 - (b) a comparison of data with previously collected data identifying any emerging trends
 - (c) comment on compliance with conditions of this resource consent,
 - (d) any reasons for non-compliance or difficulties in achieving compliance with the conditions of this resource consent,
 - (e) any works that have been undertaken to improve the environmental performance of the wastewater treatment system or that are proposed to be undertaken in the up-coming year to improve the environmental performance of the wastewater treatment system.
16. The consent holder shall provide the Waikato Regional Council with a management plan which details the procedures that will be implemented to operate in accordance with the conditions of this resource consent and the procedures that will be put into place to maximise effluent treatment and minimise odour production. This plan shall be lodged with the Waikato Regional Council within three months of completion of the upgrade, and shall be reviewed and updated as a minimum every three years that this consent is operative. Any changes to the plan shall be confirmed in writing by the consent holder following consultation with the Waikato Regional Council. The consent holder shall

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manage the sewage treatment plant in accordance with the management plan. The plan shall address, but may not be limited to, the following:

- (i) a description of the entire treatment system facility, including step screen, oxidation pond, gravel filter beds and discharge structure.
- (ii) a description of routine maintenance procedures to be undertaken.
- (iii) an outline of the methods to be utilised to monitor the treatment plant in an operational sense including:
 - monitoring of waste water flows.
 - monitoring of treatment performance.
- (iv) specific management procedures for the efficient functioning of the step screen, oxidation pond and gravel filter beds.
- (v) procedures for recording routine maintenance and all repairs that are undertaken.
- (vi) contingency measures in place to deal with unusual events (eg large storm events).
- (vii) description of alarms.
- (viii) other actions necessary to comply with the requirements of this resource consent.
- (viii) procedures for improving and/or reviewing the management plan.

Complaints

17. The consent holder shall maintain and keep a complaints register for all complaints, including odour and water quality received by the consent holder. The register shall record:

- (i) the date, time and duration of the event that has resulted in a complaint,
- (ii) the location of the complainant when the event was detected,
- (iii) the possible cause of the event incident,
- (iii) any corrective action undertaken by the consent holder in response to the complaint including actions taken to prevent similar events in the future.

The register shall be available to the Waikato Regional Council at all reasonable times. Complaints received by the consent holder that may infer non-compliance with the conditions of this resource consent shall be forwarded to the Waikato Regional Council within 5 days of the complaint being received.

Tangata Whenua

18. In the event that any archaeological remains are discovered, the works shall cease immediately and Tangata Whenua and the Waikato Regional Council shall be notified within 48 hours. Works may recommence with the written approval of the Waikato Regional Council. Such approval shall be given after the Waikato Regional Council has considered:

- (i) Tangata Whenua interests and values,
- (ii) the consent holders interests, and
- (iii) any archaeological or scientific evidence.

Review

19. The Waikato Regional Council may in October 2004, October 2008 and October 2012, serve notice on the consent holder under section 128 (1) of the Resource Management 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

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resource consent and if necessary to avoid, remedy or mitigate such effects by way of further or amended conditions; or

- (ii) if necessary and appropriate, to require the holder of this resource consent to adopt the best practicable option to remove or reduce adverse effects on the surrounding environment due to; or
- (iii) to review the adequacy of and the necessity for monitoring undertaken by the consent holder.

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.

- 20. The consent holder shall pay to 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.

Dated at Hamilton this 21st day of **June 2001**

For and on behalf of the
Waikato Regional Council



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for Secretary

Advice Notes

1. In accordance with section 125 RMA, this consent shall lapse two (2) years after the date on which it was granted unless it has been given effect to before the end of that period.
2. Where a resource consent has been issued in relation to any type of construction (e.g. dam, bridge, jetty) this consent does not constitute authority to build and it may be necessary to apply for a Building Consent from the relevant territorial authority.
3. 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.
4. 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).
5. The consent holder may apply to change the conditions of the resource consent (except for the duration) if circumstances change (s.127 RMA).
6. Routine inspections of the site of the consent may be undertaken by Waikato Regional Council officers or agents. The costs of these routine inspections and any formal monitoring programme that may be established in consultation with the consent holder will be charged to the consent holder.
7. "Non-routine" inspections will be made on other occasions if there is reason to believe (e.g. following a complaint from the public or from a monitoring inspection) that the consent holder is in breach of the conditions of the resource consent. The cost of non-routine inspections and analyses will be charged to the consent holder in the event that non-compliance is determined, or if the consent holder is deemed to not be fulfilling the obligations specified in section 17(1) RMA as shown below:

"Every person has the duty to avoid, remedy or mitigate any adverse effect on the environment arising from an activity carried out, by or on behalf of that person, whether or not the activity is in accordance with a rule in a plan, a resource consent, section 10, section 10a or section 20."