

Resource Consent Certificate

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Resource Consent Number: 106612

File Number: 60 59 40A

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

Hauraki District Council
PO 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 4000 cubic metres per day of treated effluent into an unnamed tributary of the Ohinemuri River

Location: (Waihi Sewage) Frankton Rd – Waihi

Map Reference: NZMS 260 T13:606-179

Consent duration: Granted for a period expiring on 1 June 2022

Subject to the conditions overleaf:

CONDITIONS

1. The wastewater treatment and disposal system shall be operated and maintained in accordance with:
 - (a) the application for this resource consent; and
 - (b) the document titled "Waihi Sewage Treatment Plant Upgrading, Applications and Assessment of Environmental Effects for Resource Consents and Designation", prepared by Bruce Wallace Partners Ltd, GHD Ltd, Bioresearches, October 2001 and the associated Appendices; and
 - (c) the letter regarding "Hauraki District Council, Waihi Sewage Treatment Plant Upgrading, Applications 106612, 106613, 106614, 106615" dated 20 November 2001, from Bruce Wallace Partners Limited; and subject to the conditions of this resource consent.
2. The treatment plant and discharge shall be managed and operated by an appropriately trained operator.
3. The consent holder shall provide easy access to the treatment plant and disposal facilities for the measurement of flow and quality of the discharge to the Ohinemuri River, or of the Ohinemuri River.
4. The consent holder shall ensure 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 Constraints and Quality

6. The maximum volume of treated wastewater discharged shall not exceed 4,000 cubic metres in any 24 hour period and the maximum rate of discharge shall not exceed 47 litres per second.
7. The consent holder shall meet conditions 8, 9 and 10 of this consent following the installation and commissioning of appropriate tertiary treatment processes, including UV disinfection ~~and Jetflote treatment~~ at the treatment plant or from 1 January 2004 1 July 2005, which ever occurs first. Prior to this time conditions 8, 9 and 10 of this consent shall not apply and the consent holder shall meet the following discharge standard: *DP*

02/09/04

Parameter	Median Discharge Quality (g/m ³)	Ninety Percentile Discharge Quality (g/m ³)
Total Phosphorus	5.7	9.3
Biochemical Oxygen Demand	40	60
Suspended Solids	110	150
Ammoniacal Nitrogen	4.6	16
Total Kjeldahl Nitrogen	15	25
Escherichia coli	5,000	20,000

The median of each parameter shall be calculated from the preceding 10 samples taken. Compliance with the ninety percentile discharge quality standard shall be determined by not more than one sample result in the preceding ten sample results being above the stated limit. The median and ninety percentile measures shall be based on every sample taken in accordance with monitoring conditions of this consent, any other samples taken of the discharge by the consent holder, and any samples taken by the Waikato Regional Council staff of the discharge where the results have been provided to the consent holder.

8. The consent holder shall ensure that the quality of the discharge prior to entering the Ohinemuri River is equal to or less than the concentrations outlined in the table below as follows:

Parameter	Physical and/or Seasonal Conditions	Median Discharge Quality (g/m ³)	Ninety Percentile Discharge Quality (g/m ³)
Total Phosphorus	1 November to 30 April and when the Ohinemuri River flow is less than 10.1 cubic metres per second	1.4	2.5
Total Phosphorus	1 May to 31 October except when the Ohinemuri River flow is less than 10.1 cubic metres per second	5.7	9.0
Biochemical Oxygen Demand	At all times	20	30
Suspended Solids	At all times	35	50
Ammoniacal Nitrogen	At all times	4.0	8.0

The median of each parameter shall be calculated from the preceding 10 samples taken at the relevant river flow. Compliance with the ninety percentile discharge quality standard shall be determined by not more than one sample result in the preceding ten sample results at the relevant river flow being above the stated limit. The median and ninety percentile measures shall be based on every sample taken in accordance with monitoring conditions of this consent, any other samples taken of the discharge by the consent holder, and any samples taken by the Waikato Regional Council staff of the discharge where the results have been provided to the consent holder.

9. The consent holder shall endeavour to maintain the quality of the discharge prior to entering the Ohinemuri River equal to or less than the concentrations outlined in the table below as follows:

Parameter	Physical and/or Seasonal Conditions	Median Discharge Quality (g/m ³)	Ninety Percentile Discharge Quality (g/m ³)
Total Kjeldahl Nitrogen	1 November to 30 April and when the Ohinemuri River flow is less than 10.1 cubic metres per second	10	15
Total Kjeldahl Nitrogen	1 May to 31 October except when the Ohinemuri River flow is less than 10.1 cubic metres per second	15	25

The median of each parameter shall be calculated from the preceding 10 samples taken at the relevant river flow. The ninety percentile discharge quality standard shall be determined to be achieved by not more than one sample result in the preceding ten sample results at the relevant river flow being above the stated limit. The median and ninety percentile measures shall be based on every sample taken in accordance with monitoring conditions of this consent, any other samples taken of the discharge by the consent holder, and any samples taken by the Waikato Regional Council staff of the discharge where the results have been provided to the consent holder.

10. The consent holder shall ensure that the quality of the discharge prior to entering the Ohinemuri River is equal to or less than the concentrations outlined in the table below as follows:

Parameter	Physical Conditions	Median Discharge Quality (MPN/100ml)	Maximum Discharge Quality (MPN/100ml)
Escherichia coli	Ohinemuri River flow less than 10.1 cubic metres per second	126	273
Escherichia coli	Ohinemuri River flow greater than 10.1 cubic metres per second		5,000

The median shall be calculated from the preceding 10 samples taken at the relevant river flow. The median measure shall be based on every sample taken in accordance with monitoring conditions of this consent, any other samples taken of the discharge by the consent holder, and any samples taken by the Waikato Regional Council staff of the discharge where the results have been provided to the consent holder.

11. All conditions of this consent which refer to the flow of the Ohinemuri River shall be considered to be the flow of the Ohinemuri River at the point of the Karangahake gauge which is administered by the Waikato Regional Council.
12. Notwithstanding the stated limits in conditions 7, 8, 9, and 10 of this consent, the consent holder shall make all reasonable and practical efforts to ensure that the final effluent quality is maximised within the capabilities of the treatment system in operation.
13. The consent holder shall ensure that after reasonable mixing the discharge does not cause any of the following effects:
- The production of any conspicuous oil or grease films, scums, foams, or floatable or suspended materials
 - Any conspicuous change in the colour or visual clarity
 - Any emission of objectionable odour
 - The rendering of fresh water unsuitable for consumption by farm animals
 - Any significant adverse effects on aquatic life

Monitoring

14. The consent holder shall undertake sampling and analysis of the treated effluent as outlined in the table below as follows:

Frequency	Sample Location and Type	Parameters to be monitored
daily	Influent – prior to the first oxidation pond Discharge – just prior to entering the cascade channel Ohinemuri River – at the Karangahake gauge	flow
monthly	Discharge – just prior to entering the cascade channel	Total Phosphorus Total Kjeldahl Nitrogen Ammoniacal Nitrogen Biochemical Oxygen Demand Suspended solids Escherichia coli

At each sampling event details of the treatment processes in operation shall be recorded.

15. Should any one sample of Total Kjeldahl Nitrogen exceed the 90 percentile level outlined in condition 9 during any sampling then the consent holder shall carry out additional monitoring and reporting as follows:
- (a) The exceedance shall be reported to Environment Waikato within 5 working days of obtaining the results with written confirmation that the monitoring required by this condition has been commenced;
 - (b) Total Kjeldahl Nitrogen, Ammoniacal Nitrogen, Nitrate, Nitrite, dissolved oxygen, conductivity and pH shall be sampled and analysed at least twice with seven days between sampling events at the following locations within the treatment plant:
 - (i) influent;
 - (ii) following the first oxidation pond and prior to the oxidation/retention pond;
 - (iii) following the oxidation/retention pond and prior to the ~~Jetflote~~-tertiary treatment (if operating); and
 - (iv) following the ~~Jetflote~~-tertiary treatment (if operating) and prior to discharge to the cascade channel.
 - (c) On completion of the monitoring required by this condition the consent holder shall report the results to the Waikato Regional Council within one month commenting on the results. The report shall include comment on any other factors that may influence nitrogen conditions within the treatment plant (for example: weather, change in influent sources etc).
16. The sampling required by condition 15 of this consent shall continue for each Total Kjeldahl Nitrogen exceedance event unless the Waikato Regional Council agrees in writing that this is no longer required after a specific request by the consent holder to discontinue the monitoring. The request by the consent holder shall include reasons why the monitoring in condition 15 is no longer required.
17. 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.

Reporting

18. The consent holder shall provide to the Waikato Regional Council a written monitoring report by ~~4 June~~ 30 September each year that this consent is current. As a minimum this report shall include the following:
- (a) all data collected as required by conditions 14 and 15 of this consent for ~~4 April to 31 March~~ 1 July to 30 June of the preceeding year;
 - (b) a summary of the monitoring results required by conditions 14 and 15 of this consent for ~~4 April to 31 March~~ 1 July to 30 June of the preceeding year and a critical analysis of the information in terms of compliance and environmental effects;
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 - (c) a comparison of data with previously collected data identifying any emerging trends;
 - (d) comment on compliance, and any reasons for non-compliance or difficulties in achieving compliance, with conditions 7, 8, 9, and 10 of this consent;
 - (e) comment on any works that have been undertaken, or that are proposed to be undertaken in the up-coming year, to improve the environmental performance of the treatment and/or disposal system;
 - (f) report on and discuss any complaints received regarding the treatment and/or discharge of treated effluent; and
 - (g) any other issues considered important by the consent holder.

Notification of limits being exceeded

19. The consent holder shall notify the Waikato Regional Council as soon as practicable and as a minimum requirement within 48 hours, of the consent holder becoming aware of the limits specified in condition 7, 8, 9, and 10 of this consent being exceeded and/or of any accidental discharge, plant breakdown, or other circumstances which are likely to result in the limits of this 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.

Management Plan

20. 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. This plan shall be lodged with the Waikato Regional Council within 6 months of the commencement of this consent, and shall be reviewed and updated as a minimum every two years that this consent is operative. The plan shall address, but may not be limited to, the following:

- (a) a description of the entire treatment system facility;
- (b) a description of routine maintenance procedures to be undertaken;
- (c) an outline of the methods to be utilised to monitor the treatment plant in an operational sense including:
 - monitoring of influent waste water
 - monitoring of treatment performance
- (d) specific management procedures for the efficient functioning of the treatment system;
- (e) procedures for recording routine maintenance and all repairs that are undertaken;
- (f) contingency measures in place to deal with unusual events;
- (g) other actions necessary to comply with the requirements of this resource consent; and
- (h) procedures for improving and/or reviewing the management plan.

The consent holder shall manage the wastewater treatment and discharge in accordance with the management plan outlined in this condition. Any changes to the plan shall be confirmed in writing by the consent holder following consultation with the Waikato Regional Council.

Erosion

21. The discharge structure shall be designed and constructed to ensure that local scour is avoided.

22. The consent holder shall be responsible for the structural integrity and maintenance of the discharge structure and for any erosion control works that become necessary to preserve the integrity and stability of the river channel and/or to control erosion as a result of the exercise of this consent. The consent holder shall undertake regular maintenance of the channel and shall keep a log of what maintenance has been undertaken. This log shall be made available to the Waikato Regional Council at all reasonable times.

Complaints Register

23. The consent holder shall maintain and keep a complaints register for all complaints made about the treatment and disposal site received by the consent holder. The register shall record:

- (a) the date, time and duration of the event/incident that has resulted in a complaint;
- (b) any corrective action undertaken by the consent holder in response to the complaint including actions taken to prevent similar events in the future;
- (c) the location of the complainant when the event was detected;
- (d) the possible cause of the event;
- (e) the weather conditions and wind direction at the site when the odour event occurred.

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

Signage

24. The consent holder shall construct and place a sign in the vicinity of the discharge to the Ohinemuri River, in such a way that it is conspicuous to river users, advertising of the presence of the wastewater discharge.

Review

25. The Waikato Regional Council may in the month following the third, sixth, tenth and fifteenth anniversary of the commencement of this consent, 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:

- (a) to review the effectiveness of the conditions of this resource consent in avoiding or mitigating any adverse effects on the environment, in particular effects on the Ohinemuri River water quality, 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
- (b) 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 contaminants entering the Ohinemuri River; or
- (c) to review the adequacy of and the necessity for monitoring undertaken by the consent holder.

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.

Dated at Hamilton this 29th day of April 2002

*For and on behalf of the
Waikato Regional Council*



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for Secretary

General Advice notes for consents 106612 to 106615

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. 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.