

Resource Consent



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File Number: 60 42 29A
Resource Consent Number: 103242

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 treated sewage to the Waihou River

Location: Paeroa Sewage
Map Reference: NZMS260 T13 : 458-247

Consent duration: Granted for a period expiring on 1 June 2020


Subject to the following conditions:

CONDITIONS

General:

- 1 The discharge of treated wastewater to the Waihou River shall be carried out in accordance with the application for this resource consent and the document titled "Hauraki District Council Paeroa, Sewage Treatment and Disposal, Applications and Assessment of Environmental Effects for Resource Consents and Designation" dated December 1999, prepared by Bruce Wallace Partners Ltd and as identified in the resource consent conditions below.
- 2 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.
- 3 This resource consent shall commence when the Sewage treatment Plant at Irwins Road has been commissioned, or by 1 May 2001, whichever date is sooner.

Compliance limits

- 18/07/03 
- 4 The maximum volume of treated wastewater discharged shall not exceed 4000 cubic metres ~~in any 24 hour period~~. *per day except when the pond surface has risen to above the internal dividing walls (water depth greater than 2.6m) as a result of sustained wet weather periods, the discharge volume may be increased to a maximum of 5800 cubic metres over a 24 hour period.*
 - 5 The suspended solids concentration of the discharge as determined from a grab sample shall not exceed 22 grams per cubic metre, expressed as a 90 percentile, and calculated annually (year ending ~~30 April~~ 30 June). *MB 11/01/2010*
 - 6 The total nitrogen concentration of the discharge as determined from a grab sample shall not exceed 14 grams per cubic metre, expressed as a 90 percentile, and calculated annually (year ending ~~30 April~~ 30 June). *MB 11/01/2010*
 - 7 The concentration of ammoniacal nitrogen in the discharge as determined from a grab sample shall not exceed 10 grams per cubic metre, expressed as a 90 percentile, and calculated annually (year ending ~~30 April~~ 30 June). *MB 11/01/2010*
 - 8 The concentration of E.coli in the discharge shall not exceed 1000 cfu (colony forming units) per 100 millilitres.
 - 9 The pH of the discharge shall not be less than 6 and greater than 9 pH units.
 - 10 The 5-day carbonaceous biochemical oxygen demand (cBOD₅) concentration of the discharge as determined from a grab sample shall not exceed 15 grams per cubic metre, expressed as a 90 percentile, and calculated annually (year ending ~~30 April~~ 30 June). *MB 11/01/2010*
 - 11 The total phosphorus concentration of the discharge as determined from a grab sample shall not exceed 12 grams per cubic metre, expressed as a 90 percentile and calculated annually (year ending ~~30 April~~ 30 June). *MB 11/01/2010*

Other discharge standards

- 12 The discharge shall not cause any conspicuous oil, grease, scums, foams or floatable materials to be present, or cause a conspicuous change in water colour or clarity in the Waihou River, after reasonable mixing, as a result of the exercise of this consent.
- 13 For the purposes of condition 12, compliance is to be assessed at a point 100 metres downstream from the point of discharge, after which reasonable mixing is considered to have occurred.

Monitoring and reporting

14 From commencement of this consent for a period of 24 months the consent holder shall sample and test the discharge at a point prior to discharge as follows :

Frequency	Sample type	Parameter
Daily	Daily total	Volume
Fortnightly	Grab sample	Total nitrogen Nitrate-nitrogen Ammonium-nitrogen Dissolved reactive phosphorus Total phosphorus pH Suspended solids CBOD-5
Monthly	Grab sample	E coli Turbidity

15 Following completion of the above 24 month sampling period, the consent holder shall then sample and test the discharge at a point prior to discharge as follows:

Frequency	Sample type	Parameter
Daily	Daily total	Volume
Monthly	Grab sample	Total nitrogen Ammonium-nitrogen Total phosphorus pH Suspended solids CBOD-5 E coli
Every three months	Grab sample	Turbidity Dissolved reactive phosphorus Nitrate-nitrogen

16 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 subsequent update, or any other method approved in advance by the Waikato Regional Council.

17 The consent holder shall provide a written report at three monthly intervals to the Waikato Regional Council that provides the results of all monitoring carried out each three month period.

18 The consent holder shall provide to the Waikato Regional Council a written report by ~~1 June~~ 30 September each year, to cover the 12 month monitoring period ending ~~30 April~~ 30 June. The report shall be written in conjunction with resource consents 103243, 103244, and 103245. As a minimum this report shall include the following:

11/01/2010 *MB*

- (i) all data collected as required under conditions 14 and 15 of this resource consent;
- (ii) a summary of the monitoring results required by conditions 14 and 15 of this resource consent and a critical analysis of the information in terms of compliance and environmental effects;
- (iii) a comparison of data with previously collected data identifying any emerging trends in the discharge quality;
- (iv) comment on compliance with conditions 4 to 13 of this resource consent,
- (v) any reasons for non-compliance or difficulties in achieving compliance with the conditions 4 to 13 of this resource consent;

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- (vi) any works that have been undertaken to improve the environmental performance of the sewage treatment system or that are proposed to be undertaken in the upcoming year to improve the environmental performance of the sewage treatment system;
 - (vii) any other issues considered important by the consent holder.
- 19 The consent holder shall investigate the presence of potentially infectious micro-organisms in the final treated wastewater. The investigation shall enumerate *Cryptosporidium*, *Giardia*, *Campylobacter*, *Salmonella*, and *E coli*. The sample shall be taken no earlier than six months and no later than 12 months after commencement of the discharge. The results shall be forwarded to the Waikato Regional Council no later than one month after receipt of results by the consent holder.
- 20 The consent holder shall sample and test for boron in the final effluent one month, three months and six months after commissioning of the Sewage Treatment Plant. Results shall be forwarded to the Waikato Regional Council within one month of receipt of results by the consent holder.

Management

- 21 The consent holder shall ensure contractors at the sewage treatment plant are made aware of the conditions of this resource consent and ensure compliance with those conditions.
- 22 The treatment plant shall be managed and operated by an appropriately trained operator.
- 23 The consent holder shall carry out all necessary action to prevent paradise shelduck using the sewage treatment site as a moulting or roosting site.
- 24 The consent holder shall carry out all necessary action to prevent nuisance effects on neighbours from insect pests such as midges, mosquitoes or flies.
- 25 The consent holder shall retain a suitably qualified and experienced person to compile an operations and management manual for the wastewater treatment system. This manual shall detail how the systems are to be operated to ensure that effluent quality is maximised at all times. As a minimum the manual shall address the following matters:
- (i) A description of the entire treatment system;
 - (ii) Operational procedures to optimise the performance of the treatment system;
 - (iii) Routine maintenance procedures to be undertaken;
 - (iv) Contingency measures in place to deal with unusual events;
 - (v) Procedures for improving and/or reviewing the management plan;
 - (vi) Odour control; and
 - (vii) Other actions necessary to comply with the provisions of this resource consent.
- The manual shall be written to a suitable standard and shall be forwarded to the Waikato Regional Council for its written approval prior to commissioning of the Irwin Road sewage treatment plant.
- 26 Prior to the consent holder accepting leachate from any landfill, the consent holder shall forward a report to the Waikato Regional Council setting out expected influent contamination concentrations, and the expected effect on sewage treatment. In the event that the sewage treatment plant receives leachate from a landfill, within six months of this event the consent holder shall sample the leachate influent and test for ammonia, Chemical Oxygen Demand, trace metals, and organic contaminants. The consent holder shall forward the test results to the Waikato Regional Council within one month of receipt of results.

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Review (s128)

27 The Waikato Regional Council may in June 2005, June 2010, and June 2015, 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 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 nutrients or microbiological pathogens present in the discharge; 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.

Dated at Hamilton this 10 day of July 2000

For and on behalf of the
Waikato Regional Council



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for Secretary