

# ***Resource Consent Certificate***

PO Box 4010  
401 Grey Street  
Hamilton East  
Hamilton 3247  
New Zealand

ph +64 7 859 0999  
fax +64 7 859 0998  
[www.ew.govt.nz](http://www.ew.govt.nz)

**Resource Consent Number:** 111660

**File Number:** 60 00 31A

***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)*

**Activity authorised:** Discharge treated domestic wastewater to the Awaiti Canal in association with the Kerepehi Wastewater Treatment Plant

**Location:** Kerepehi Sewage

**Map Reference:** NZMS 260 T12:353-302

**Consent Duration:** This consent will commence on the date of decision notification and expire on 30 April 2021

***Subject to the conditions overleaf:***

## CONDITIONS

### General

1. The wastewater treatment and disposal system shall be operated and maintained in general accordance with the application for this resource consent and the document titled "**Kerepehi Wastewater Discharge Consent Renewal**", dated October 2004, prepared by Montgomery Watson Harza Limited, unless inconsistent with the activity authorised or the resource consent conditions below.
2. The consent holder shall ensure that the treatment plant is managed and operated by an appropriately trained operator.
3. The consent holder shall ensure contractors are made aware of the conditions of this resource consent and ensure compliance with those conditions.
4. This resource consent is granted by the Waikato Regional Council subject to its officers or agents being permitted access to the property at all reasonable times for the purpose of carrying out inspections, surveys, investigations, tests, measurements or taking samples.
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, 1991.

### Volume Limit

6. The maximum volume of treated wastewater discharged shall not exceed 834 cubic metres, on average, over any 24 hour period. This shall be measured by readings of the meter at least every four days (or less) and taking the average over the four day (or less) period.

### Provision of Reports

7. Within six months of the grant of this consent the consent holder shall provide a report to the Waikato Regional Council detailing the existing sludge levels within the ponds and, if required, the proposed method of removal, timeframe in which the sludge is to be removed and disposal location.
8. The consent holder shall investigate the infiltration of stormwater which enters the treatment system. Within one year of the grant of this consent the consent holder provide a report to the Waikato Regional Council on the investigation. The report shall include;
  - i) The extent of stormwater infiltration to the reticulation system within Kerepehi Township; and
  - ii) Actions to be undertaken to minimise the infiltration of stormwater to the reticulation system.

### Wetland Design

9. The consent holder shall ensure that the wetland is lined with clay to a predetermined depth of at least 225 millimetres with a permeability of at least  $1 \times 10^{-7}$  metres per second.

### Parameter Limits

10. The consent holder shall meet condition 11 of this consent following the installation and commissioning of the wetland at the treatment plant or from 1 July 2007, whichever occurs first. Prior to this time condition 11 shall not apply and the consent holder shall apply the following discharge standards.

Parameter	Discharge Quality
<b>Biological Oxygen Demand (g/m<sup>3</sup>)</b>	Over one year no more than 8 exceedances above 25 and no more than 2 exceedances above 30
<b>Suspended Solids (g/m<sup>3</sup>)</b>	Over one year no more than 8 exceedances above 100 and no more than 2 exceedances above 165
<b>Faecal coliforms (cfu/100mLs)</b>	Over one year no more than 8 exceedances above 2000 and no more than 4 exceedances above 4000

Note: Standards for all constituents use both 50% and 95% limits

11. The consent holder shall ensure that the quality of the wastewater being discharged and prior to entering the Awaiti Canal is consistent with the table below as follows:

Parameter	Discharge Quality
<b>Biological Oxygen Demand (g/m<sup>3</sup>)</b>	Over one year no more than 8 exceedances above 25 and no more than 2 exceedances above 30
<b>Suspended Solids (g/m<sup>3</sup>)</b>	Over one year no more than 8 exceedances above 30 and no more than 2 exceedances above 50
<b>Faecal coliforms (cfu/100mLs)</b>	Over one year no more than 8 exceedances above 1500 and no more than 4 exceedances above 3000
<b>E.coli (cfu/100mLs)</b>	Over one year no more than 8 exceedances above 1000 and no more than 4 exceedances above 2000

Note: Standards for all constituents use both 50% and 95% limits

### Monitoring Regime

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:
- Monitor on a monthly basis by single grab sample for the following parameters: biochemical oxygen demand, total suspended solids, total phosphorus, ammoniacal nitrogen, total keldahl nitrogen, total organic nitrogen (nitrate + nitrite), and pH; and
  - Faecal coliforms* shall be monitored on a monthly basis by single grab sample until after the upgrade is completed. After the upgrade is completed, both *Faecal coliforms* and *E.coli* shall be monitored on a monthly basis for a period of 12 months by single grab sample, after which time the consent holder may with the agreement of the Waikato Regional Council monitor on a monthly basis for only *E.coli*.
13. The consent holder shall provide a report to the Waikato Regional Council within three months of both *E.coli* and *Faecal coliform* monitoring, required by condition 12(b), being completed.
14. Notwithstanding the stated limits in conditions 10 and 11 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.

15. The consent holder shall ensure that after reasonable mixing the discharge does not cause any of the following effects:
- a) The production of any conspicuous oil or grease films, scums, foams or floatable or suspended materials;
  - b) Any conspicuous change in the colour or visual clarity;
  - c) Any emission of objectionable odour;
  - d) The rendering of freshwater unsuitable for consumption by farm animals;
  - e) Any significant adverse effects on aquatic life.

### Annual Monitoring Report

16. 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) 11/01/2010ampling methods (e.g. timing, frequency, volumes, sampling equipment, preservation);
  - b) 11/01/2010aboratory delivery details and analytical procedures; *MB* 11/01/2010
  - c) Statistical analysis used;
  - d) All data collected as required by condition 12 of this consent for ~~1 April to 31 March~~ 1 July to 30 June of the preceding year;
  - e) A summary of the monitoring results required by condition 12 of this consent for ~~1 April to 31 March~~ 1 July to 30 June of the preceding year and a critical analysis of the information in terms of compliance and environmental effects;
  - f) A comparison of data with previously collected data identifying any emerging trends;
  - g) Comment on compliance, and any reasons for non-compliance or difficulties in achieving compliance with conditions 10 or 11 (whichever is applicable) of this consent;
  - h) Daily influent volume data;
  - i) 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;
  - j) Report on and discuss any complaints received regarding the treatment and/or discharge of treated effluent; and
  - k) Any other issues considered important by the consent holder.

### Non-Compliances

17. 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 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

18. 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 within six months of the commencement of this consent, and shall be reviewed and updated prior to the discharge occurring from the wetland and rock filter outlet. Following the discharge occurring from the wetland and rock filter the plan 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 sequence, timing and methods of the upgrading of the treatment plant;
- b) Measures to ensure compliance with condition 11 of this consent during the upgrading of the plant;
- c) A description of the entire upgraded treatment and disposal system facility;
- d) A description of routine maintenance procedures to be undertaken;
- e) An outline of the methods to be utilised to monitor the treatment plant in an operational sense including:
  - monitoring of the volume of influent wastewater
  - monitoring of treatment performance
- f) Specific management procedures for the efficient functioning of the treatment system;
- g) A process to determine sludge levels within the oxidation ponds and wetlands for the duration of consent;
- h) Details on any proposed removal of sludge from the wetland cells and the proposed disposal site;
- i) Measures to avoid and remedy any effects from nuisance pests associated with the wastewater treatment plant;
- j) Measures to minimise the presence of waterfowl within the treatment system;
- k) Measures to minimise the presence of nuisance plants within the wetland;
- l) A planting programme including frequency of wetland inspections and weeding, and anticipated removal and replacement of wetland plants;
- m) Procedures for recording routine maintenance and all repairs that are undertaken;
- n) Contingency measures in place to deal with unusual events;
- o) Procedures for visual inspection of the ponds;
- p) Other actions necessary to comply with the requirements of this resource consent;
- q) 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 detailed in this condition. Any changes to the plan shall be confirmed in writing by the consent holder following consultation with the Waikato Regional Council. Changes to the plan shall be approved in writing by the Waikato Regional Council prior to any change being implemented.

### Complaints

19. The consent holder shall maintain and keep a complaints register for all complaints made about the wastewater treatment plant 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 event occurred;
- f) Tidal conditions when the event occurred; and
- g) The height of the water level within the Awaiti Canal at the time the event occurred.

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**

20. The consent holder shall construct and place a sign in the vicinity of the discharge to the Awaiti Canal, in such a way that it is conspicuous to canal users, advertising of the presence of the wastewater discharge.

**Review**

21. The Waikato Regional Council may in the month following the third, sixth, ninth, and twelfth 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 Awaiti Canal 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 Awaiti Canal; or
- (c) to review the adequacy of and the necessity for monitoring undertaken by the consent holder; or
- (d) to require additional improvements to the wastewater treatment plant to reduce the level of nutrients and bacteria levels within the discharge as a result of improved water quality upstream of the discharge; or
- (e) to address any seepage occurring from the treatment system.

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 13 day of July 2006*

*For and on behalf of the  
Waikato Regional Council*



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**Advice notes**

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.