



# Resource Consent

**RESOURCE MANAGEMENT ACT 1991**
**Consent No. WGN050359 [24539]**
**Category: Coastal permit**

Pursuant to sections 104B, 105, 107 and 108, and subject to all the relevant provisions of the Resource Management Act 1991 and any regulations made thereunder, a consent in respect of a natural resource is hereby granted to:

<b>Name</b>	Hutt City Council	
<b>Address</b>	Private Bag 31912, Lower Hutt	
<b>Duration of consent</b>	Effective: 25 August 2006	Expires: 25 August 2031
<b>Purpose for which right is granted</b>	To discharge secondary treated and disinfected wastewater to the coastal marine area through an existing outfall at Bluff Point.	
<b>Location</b>	The existing outfall at bluff Point, approximately 500m south-east of Pencarrow Head, Lower Hutt, at or about map reference NZMS 260: R27;649.808.	
<b>Legal description of land</b>	Coastal marine area	
<b>Conditions</b>	1-26 as attached	

For and on behalf of  
 WELLINGTON REGIONAL COUNCIL

Manager, Environmental Regulation

Date:

5 September 2006



# Summary of your rights and responsibilities

(Not part of the resource consent)

This resource consent gives you the right to use a public resource (e.g. water, air, the coastal marine area) in the manner specified in the consent.

You may exercise the resource consent how you see fit provided that you comply with all the conditions of your resource consent and all other laws of the land.

If you wish to change the way you operate under this resource consent or if you wish to alter or delete any consent conditions, please contact the Wellington Regional Council (hereafter referred to as Greater Wellington) prior to making the changes. You may need a formal variation to your resource consent conditions.

You may transfer your coastal, discharge, or water permit to any other person. So if you sell your operation please contact Greater Wellington and we will arrange the transfer. The service is free of charge.

If your resource consent application contained inaccurate or misleading information Greater Wellington may ask the Environment Court to cancel or alter the resource consent.

Your resource consent does not:

- provide any warranty of any structure or process;
- provide any guarantee that the resource will be available at all times;
- provide any right of access through or over public or private land;
- negate the need for any approvals necessary under other legislation.

You, as the holder(s) of this resource consent and your agents (including contractors and employees), are jointly and severally liable for compliance with the conditions of this consent. It's important that anyone operating on your behalf fully understands and complies with the conditions of the resource consent.

You are required to pay any relevant charges that are associated with the consent. Greater Wellington fixes these charges under section 36 of the Resource Management Act 1991. The Act allows you to comment on any proposed charges *prior to them being fixed*. Charges are usually fixed every three years. If you would like a copy of our current Resource Management Charging Policy please ask us.

You are required to allow Greater Wellington Enforcement Officers access to your site and operation at any reasonable time so that we can inspect your operation and confirm that it is complying with the resource consent.

Your resource consent will lapse if you do not exercise it within five years of the date it was granted (unless otherwise specified in the resource consent conditions). If this lapsing is going to be a problem for you please contact Greater Wellington before the lapse date.

If you stop using your resource consent for a continuous five-year period, Greater Wellington may cancel your resource consent. We will advise you in advance if we propose to cancel your consent. You also have the right to object to your consent being cancelled.

This consent is issued without prejudice to any claim that is lodged with the Waitangi Tribunal in relation to the customary ownership of natural resources, whether it be a claim that is pending hearing or whether it is a claim that is awaiting settlement by the Crown.

# Conditions to Resource Consent WGN050359 [24539]

## Activity

1. The location, treatment, and operation of the discharge shall be in accordance with the consent application and associated plans and documents lodged with the Wellington Regional Council on 7 June 2005, and further information lodged on 5 September 2005, subject to any modifications required to comply with the conditions of this permit.
2. The rate of discharge shall not exceed:  
  
3,100 L/s or 268,000 m<sup>3</sup>/day (peak wet weather flow).

## Operations and Maintenance

3. The discharge point shall be the existing outfall at Bluff Point, at or about NZMS 260:R27; 649.808.
4. (a) The permit holder shall maintain an Operations and Management Manual to provide for the effective and efficient operation of the wastewater treatment and disposal system at all times. The Operations and Management Manual shall be updated over time as appropriate and made available to the Wellington Regional Council for viewing at the Seaview treatment plant upon request.  
  
(b) Records of incidents including complaints, failures, malfunctions and responses, associated with the wastewater treatment and disposal system shall be kept in a log and a copy of the log shall be made available to the Wellington Regional Council for viewing at the Seaview treatment plant upon request.

## Treated Wastewater Monitoring

5. The permit holder shall continuously monitor and record the flow rate and volume of treated wastewater entering the main outfall sewer.
6. The permit holder shall take daily grab samples (between the hours of 10am and 4pm) and daily 24 hour flow proportioned composite samples of treated wastewater from the sampling location specified in condition 7 of this permit. The samples shall be analysed for the constituents and at the frequencies and detection limits listed in Schedule 1 attached to this permit.
7. The permit holder shall provide a suitable wastewater sampling location for the monitoring required by this permit. The sampling station shall be located at the outlet of the disinfection bank, prior to entry into the main outfall pump station.
8. All sampling techniques employed in respect of the conditions of this permit shall be acceptable to the Wellington Regional Council. All analyses undertaken in connection with this consent shall be performed by an International Accreditation New Zealand (IANZ) registered laboratory or otherwise as specifically approved by the Wellington Regional Council.

## Effluent Quality

9. The following effluent standards shall apply at all times:  
  
(a) *Carbonaceous Biochemical Oxygen Demand (cBOD5)*

Compliance is based on daily 24 hour flow proportioned composite sampling, with a running geometric

mean and eighty-percentile calculated each day using 90 consecutive daily test results.

The geometric mean of 90 consecutive daily cBOD5 values shall not exceed 50 g/m<sup>3</sup> and no more than 20% of 90 consecutive daily values shall exceed 85 g/m<sup>3</sup>.

(b) *Suspended solids*

Compliance is based on daily 24 hour flow proportioned composite sampling, with a running geometric mean and eighty-percentile calculated each day using 90 consecutive daily test results.

The geometric mean of 90 consecutive daily suspended solids values shall not exceed 50 g/m<sup>3</sup> and no more than 20% of 90 consecutive daily values shall exceed 85 g/m<sup>3</sup>.

(c) *Faecal Coliforms*

Compliance is based on daily grab samples to be taken between the hours of 10am and 4pm with a running geometric mean and eighty percentile calculated each day using 90 consecutive daily test results.

The geometric mean of 90 consecutive daily faecal coliform values shall not exceed 1000 per 100 ml and no more than 20% of 90 consecutive daily values shall exceed 5000 per 100 ml.

10. The permit holder shall report to the Manager, Environmental Regulation, Wellington Regional Council, immediately in the event that a running geometric mean and/or 80 percentile calculated daily from the monitoring programme exceeds the values stipulated in condition 9 for more than three consecutive days. Such a report shall include the likely reason for exceedance, and measures to be undertaken by the permit holder to remedy the situation. The permit holder shall also immediately notify the Medical Officer of Health of any such event.
11. Based on 24 hour flow-proportioned composite samples collected and analysed once each month in accordance with conditions 6, 7 and 8 and Schedule 1 of this permit, all wastewater discharged through the outfall shall meet the following standards:

Analyte	Units	Standard: Over each 12-month period, from 1 July to 30 June, no more than 2 sample results shall exceed:
Dissolved Arsenic	mg/L	0.115
Dissolved Cadmium	mg/L	0.035
Dissolved Chromium	mg/L	0.220
Dissolved Copper	mg/L	0.065
Dissolved Nickel	mg/L	0.350
Dissolved Lead	mg/L	0.220
Dissolved Zinc	mg/L	0.750
Dissolved Mercury	mg/L	0.005
Cyanide	mg/L	0.200
Phenol	mg/L	0.500

- Notes:
1. Two exceedances out of 12 samples is permitted to meet a 95-percentile discharge compliance standard, based on a discharger's risk of no more than 10% (from 'New Zealand Municipal Wastewater Monitoring Guidelines' NZWERF/MfE 2002)
  2. The treated wastewater standards above are based on the ANZECC (2000) marine water trigger levels for 'slightly to moderately disturbed ecosystems' multiplied by a factor of 50 to allow for reasonable mixing (the 50:1 dilution contour extends approximately 400metres from the outfall).

### Receiving Water Monitoring

12. The discharge shall not result in any of the following effects beyond a 200 metre radius of the discharge point:
  - (a) The production of any conspicuous oil or grease films, scums or foams or floatable or suspended material;

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- (b) Any conspicuous change in colour or visual clarity;
- (c) Any emission of objectionable odour; and/or
- (d) Any significant adverse effect on aquatic life.

13. The permit holder shall collect representative coastal water samples from knee deep water at the following locations, once each month for six months through November to April inclusive each year, for the duration of this permit:

- (a) Fitzroy Bay 400 m SE of outfall (R27:651.807)
- (b) Fitzroy Bay 100 m SE of outfall (R27:650.808)
- (c) Fitzroy Bay 100 m NW of outfall (R27:648.808)
- (d) Fitzroy Bay 400 m NW of outfall (R27:647.810)
- (e) Pencarrow Head at Lighthouse (R27:647.816)
- (f) Inconstant Point (R27:650.825)
- (g) Hinds Point (R27:655.839)

The water samples shall be analysed for faecal coliform and enterococci bacteria.

14. The permit holder shall collect three replicate composite samples of the green-lipped mussel (*Perna canaliculus*) from near shore waters at each of the following locations during February or March of every second year, for the duration of this permit:

- (a) Fitzroy Bay 100m NW of outfall (R27:648.808)
- (b) Fitzroy Bay 400m MW of outfall (R27:647.810)
- (c) Pencarrow Head at Lighthouse (R27:647.816)

The flesh of the mussel samples shall be analysed for arsenic and trace metal (cadmium, chromium, copper, mercury, lead, nickel and zinc) concentrations. The number and size (length) of the shellfish analysed in each sample shall be recorded and this record forwarded to the Wellington Regional Council together with the analytical results.

15. The permit holder shall undertake a survey of marine subtidal communities along five transects extending from mean low water out to a distance of at least 100 metres offshore (at approximately the locations surveyed by the Cawthron Institute in 2004) in the years 2014 and 2024. The results of these studies are to be forwarded to Wellington Regional Council within three months of the surveys being undertaken.

### Signage

16. The permit holder shall place and maintain appropriate signs on the shore to the satisfaction of the Manager, Environmental Regulation, Wellington Regional Council. The signs shall:

- (a) Provide clear identification of the location and nature of the discharge and risk to public health from bathing and the collection of shellfish for human consumption in the vicinity of the discharge; and
- (b) Be visible to the public visiting the area without unnecessarily detracting from the visual amenity of the area.

## Reporting

17. The permit holder shall make the results of all monitoring undertaken, as required by conditions of this permit, available to the Manager, Environmental Regulation, Wellington Regional Council on request, including provision of results in electronic format, and a monitoring report for each three-month period ending March, June, September and December shall be forwarded to the Manager, Environmental Regulation, Wellington Regional Council within 30 days after the end of each three month period. The quarterly report shall include reasons for any non-compliance and subsequent actions undertaken to remedy the non-compliance.
18. The permit holder shall provide to the Wellington Regional Council an annual monitoring report by 31 July each year summarising compliance with the conditions of this permit. This report shall include as a minimum:
  - (a) a summary of all monitoring undertaken in accordance with the conditions of this permit and a critical analysis of the information in terms of compliance and adverse environmental effects;
  - (b) a comparison of data with previously collected data in order to identify any emerging trends;
  - (c) any reasons for non-compliance or difficulties in achieving compliance with the conditions of this permit;
  - (d) any measures that have been undertaken, to improve the environmental performance of the wastewater treatment and disposal system; and
  - (e) any other issues considered important by the permit holder.
19. The permit holder shall take reasonable steps to investigate ways and means of minimising infiltration and stormwater ingress into the sewerage system and provide the Manager, Environmental Regulation, Wellington Regional Council, with an annual report by 31 July on progress.
20. The permit holder shall take reasonable steps to monitor and manage trade waste inflows into the sewerage system so as to minimise the risk of disruption to the wastewater treatment process. The permit holder shall provide the Manager, Environmental Regulation, Wellington Regional Council, with an annual report on trade waste which summarises issues arising and actions taken by 31 July.

## Main outfall pipeline

21. The permit holder shall submit a **management plan** for the main outfall pipeline to the Manager, Environmental Regulation, Wellington Regional Council within three months of the commencement of this permit. This plan shall be developed in consultation with, and to the reasonable satisfaction of, the Manager, Environmental Regulation, Wellington Regional Council, and shall include, but not be limited to, the following elements:
  - (a) a management regime for the pipeline;
  - (b) a monitoring regime for the condition of the pipeline;
  - (c) identification of indicators that the pipeline or part of the pipeline may require replacement or repair to avoid discharges; and
  - (d) an evaluation of the expected life of the pipeline, and when its replacement (or part replacement) may be required with regard to the duration of this permit.

The management plan is to be reviewed and updated once every five years.

Where indicators in (c) identify the need for replacement or repair of the pipeline or part of the pipeline then, within 6 months of that identification being made, the consent holder shall submit an action plan to the Manager, Environmental Regulation, Wellington Regional Council outlining the actions to be undertaken and a timeframe in which those actions will occur.

22. The permit holder shall submit an **annual report** for the main outfall pipeline, which addresses activities undertaken during the previous year, to the Manager, Environmental Regulation, Wellington Regional Council, by

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31 July each year. This report shall include, but not be limited to, the following elements:

- (a) Details of works (including any repairs and replacements) undertaken during the past year; and
- (b) Collation and assessment of the results of any environmental monitoring undertaken during the year.

23. The permit holder shall develop a **contingency plan** outlining the procedures that will be adopted during a discharge event resulting from emergency works undertaken on the main outfall pipeline. The plan shall be developed in consultation with, and to the reasonable satisfaction of, Regional Public Health and the Manager, Environmental Regulation, Wellington Regional Council. This plan shall be submitted to the Manager, Environmental Regulation, Wellington Regional Council within three months of the date of commencement of this permit. The plan shall include, but not be limited to, the following elements:

- (a) procedures the permit holder will adopt during and following a discharge event to ensure that the potential adverse effects of the discharge are minimised;
- (b) procedures to ensure appropriate signage is erected as soon as practicable following a discharge event;
- (c) procedures for making information regarding discharge events publicly available as soon as practicable after such a discharge;
- (d) procedures for the notification of potentially affected parties and relevant regulatory authorities in the event of a discharge event; and
- (e) procedures for recording and reporting on the timing, duration and volume of each discharge event.

24. The permit holder shall advise the Manager, Environmental Regulation, Wellington Regional Council at the beginning of each financial year of any work planned in the next 12 months to repair or replace the pipeline.

#### Review

25. Within six months of the 9th and 19th anniversaries of the commencement of this permit, the permit holder shall submit to the Manager, Environmental Regulation, Wellington Regional Council, a Monitoring and Technology Review Report. The assessment shall be undertaken by a suitably qualified New Zealand specialist or specialists in wastewater systems.

The scope of the assessment should address, but not necessarily be limited to, the following:

- (a) Ongoing compliance with the requirements of the resource consent particularly in relation to any reported non-compliance with consent conditions;
- (b) An assessment of compliance/consistency with any relevant national, or regional water quality policies, standards or guidelines in effect at the time;
- (c) An assessment of the results of the permit holder's monitoring undertaken in accordance with the resource consent, including the adequacy and scope of such monitoring;
- (d) A summary of any improvements made to the reticulation, treatment or disposal system since the grant of consent;
- (e) A summary of any residual actual or potential effects of the discharge, irrespective of whether those effects are in accordance with the conditions of the consent;
- (f) An outline of technological changes and advances in relation to wastewater management, treatment, disposal and beneficial use technologies, which may be available to address any residual adverse effects; and

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(g) An assessment of whether any such options or combination of options represent the Best Practicable Option to minimise the effects of the discharge and whether the permit holder intends to incorporate such changes.

26. Wellington Regional Council may review any or all conditions of this permit by giving notice of its intention to do so pursuant to section 128 of the Resource Management Act 1991, within six months of the fifth, tenth, fifteenth and twentieth anniversary of the commencement of this permit, for any of the following reasons:

- (a) To review the adequacy of, and if necessary amend the monitoring requirements outlined in this permit;
- (b) To address any adverse effects on the environment arising from the exercise of this permit; and/or
- (c) To require implementation of Best Practicable Option, including new treatment technology where appropriate, to avoid, remedy or mitigate any significant adverse effect on the environment arising from the discharge.

The review of conditions shall allow for the deletion or amendment of conditions of this permit; and the addition of such new conditions as are shown to be necessary to avoid, remedy or mitigate any significant adverse effects on the environment.



**Schedule 1: Discharge Monitoring**

Analyte	Monitoring Frequency				Sample type	Units	Detection Limit
	Daily	Weekly	Monthly	Annually			
cBOD5	✓				composite	mg/L	1
Total suspended solids	✓				composite	mg/L	1
Faecal coliforms	✓				Grab	cfu/100ml	10
Enterococci		✓			Grab	cfu/100ml	10
Total grease/fat*			✓		composite	mg/L	5
Ammonia-N			✓		Grab	mg/L	0.1
Nitrate-N			✓		Grab	mg/L	0.1
Total Phosphorus			✓		Grab	mg/L	0.1
Dissolved Reactive Phosphorus			✓		Grab	mg/L	0.1
pH			✓		Grab	pH	n.a.
Conductivity			✓		Grab	mS/m	0.1
Arsenic (dissolved)			✓		composite	mg/L	0.005
Cadmium (dissolved)			✓		composite	mg/L	0.001
Chromium (dissolved)			✓		composite	mg/L	0.001
Copper (dissolved)			✓		composite	mg/L	0.001
Lead (dissolved)			✓		composite	mg/L	0.002
Mercury (dissolved)			✓		composite	mg/L	0.00008
Nickel (dissolved)			✓		composite	mg/L	0.01
Zinc (dissolved)			✓		composite	mg/L	0.01
Cyanide			✓		composite	mg/L	0.001
Phenol			✓		composite	mg/L	0.01
Formaldehyde				✓	grab	mg/L	0.05
Volatile Organic Compounds				✓	grab	mg/L	0.001
Semi Volatile Organic Compounds				✓	grab	mg/L	0.001

\* To be monitored for the first 12 months from the granting of this permit, after which time monitoring may cease with the written approval from the Wellington Regional Council.