

Our Reference: A316001

Consent No: 2008.308.V1

## DISCHARGE PERMIT

Pursuant to Section 104B of the Resource Management Act 1991, the Otago Regional Council grants consent to:

Name: Clutha District Council

Address: 1 Rosebank Terrace, Balclutha

To discharge treated domestic wastewater into Tuapeka Creek

for the purpose of disposal of wastewater from the Lawrence township

for a term expiring: 35 years from the date of granting

Location of activity: True left bank of Tuapeka Creek, approximately 680 metres downstream of the Gabriel's Gully Road Bridge, Lawrence

Legal description of land at the point of discharge: Pt Sec 7 Blk XX Tuapeka East SD

Map reference: Within a 20 metre radius of NZTM E1342289 N4910261

### Conditions Specific

1. (a) For a maximum period of two years from the date of granting this consent, the volume of treated domestic wastewater discharged shall not exceed 190 cubic metres per day during dry weather conditions or 760 cubic metres per day during wet weather conditions.  
  
(b) From the date of commissioning the new treatment system or no later than two years from the date of granting this consent, the volume of treated domestic wastewater discharged shall not exceed 250 cubic metres per day, except for up to five days per year when no more than 500 cubic metres per day shall be discharged.
2. The treatment system shall only receive wastewater derived from the township of Lawrence (including domestic septage), as described in the consent application submitted to the Consent Authority on 30 May 2008.

### Performance Monitoring

3. The consent holder shall continually measure and record the daily volume of effluent (cubic metres per day) discharged from the Lawrence wastewater treatment system. The consent holder shall forward the record for the previous calendar year to the Consent Authority by 31 March each year, and upon request. The record should highlight when the daily volume discharged is greater than 250 cubic metres.

4. Within three years of the granting of this consent, the consent holder shall prepare and forward to the Consent Authority an Operations and Maintenance Manual for the treatment and disposal system to ensure its effective and efficient operation at all times. The system shall be operated in accordance with this manual, which shall be reviewed every five years and updated as appropriate. The manual shall be to the satisfaction of the Consent Authority and include, as a minimum:
  - (a) a brief description of the components and layout of the treatment and disposal system;
  - (b) key operational matters, including weekly, monthly and annual maintenance checks;
  - (c) monitoring requirements and procedures;
  - (d) contingency plans in the event of system malfunctions or breakdowns; and
  - (e) the means of receiving and dealing with any complaints.
  - (f) The consent holder shall provide the Consent Authority with a current Operations and Maintenance Manual within three months of granting this consent.
  - (g) The consent holder shall provide an interim Operations and Maintenance Manual for the new treatment system within six months of the commissioning of the new treatment system.

At all times, the consent holder shall ensure that the Consent Authority has a copy of the most recent version of the Operations and Maintenance Manual.

5. Records of maintenance, complaints, malfunctions and breakdowns shall be kept in a log and this log shall be submitted to the Consent Authority by 31 March each year, and upon request.
6. (a) In the first week of each month, the consent holder shall collect representative samples of the final effluent prior to discharge to the Tuapeka Creek and have these analysed for:
  - pH;
  - Five-day biochemical oxygen demand;
  - Total suspended solids;
  - *Escherichia coli*;
  - Total phosphorus;
  - Total nitrogen; and
  - Ammoniacal nitrogen.

(b) Effluent discharged to the Tuapeka Creek shall comply with the following limits:

Parameter	For 24 months after granting of the consent	For 24 months from commissioning of the new treatment system	Remainder of consent term - 9 out of 10 consecutive samples not to exceed
pH, range	6.5-9.0	6.5-9.0	6.5-9.0
	<i>90th percentile</i>	<i>90th percentile</i>	<i>90th percentile</i>
BOD <sub>5</sub> (g/m <sup>3</sup> )	80	30	12
Total suspended solids (g/m <sup>3</sup> )	120	40	30
<i>Escherichia coli</i> (cfu/100mL)	550,000	1,000	260
Total Phosphorus (g/m <sup>3</sup> )	15	10	10
Total Nitrogen (g/m <sup>3</sup> )	-	40	30
Ammoniacal Nitrogen (g/m <sup>3</sup> )	30	30	20

- (c) The consent holder shall advise the Consent Authority within 7 days of receiving any sample results that exceed the values set by Condition 6(b) of this consent, including a statement of the likely cause of the exceedance and any remedial action that has been undertaken or is to be undertaken.
- (d) The consent holder shall also arrange for re-sampling/retesting of the discharge parameter(s) in breach of the consent limits (within 7 days of receiving any results that exceed the values set by Condition 6(b)) and forward the results to the Consent Authority upon receipt. **These retested results shall replace the original sample results in the compliance record.**
7. (a) In the first week of January, February, April, July, September and December, the consent holder shall, during dry weather conditions, collect representative samples of water from the Tuapeka Creek and have these analysed for:
- pH;
  - Five-day biochemical oxygen demand;
  - Total suspended solids;
  - *Escherichia coli*;
  - Ammoniacal nitrogen;
  - Dissolved reactive phosphorus; and
  - Dissolved inorganic nitrogen.
- (b) This monitoring shall be undertaken at sites situated upstream and 50 metres downstream of the point of discharge into the Tuapeka Creek. Sampling shall coincide with the effluent monitoring required under Condition 6(a) of this consent. An estimate of water depth (millimetres), stream width (metres) and stream flow (litres per second) shall be recorded at the time of sampling.

8. The consent holder shall visually observe and record (including percentage cover and colour) periphyton growth and bacterial slime/sewage fungus in the Tuapeka Creek immediately upstream and downstream of the discharge point in the months December to February inclusive, at the same time that the instream water quality samples are collected under Condition 7(a) of this consent. Photographs of each observation site shall be taken and submitted to the Consent Authority by 31 March each year, and upon request.
9. The consent holder shall at 12 monthly intervals, but no later than 31 March each year, provide the Consent Authority with a report on the previous year's monitoring results. This report shall include, but is not limited to:
  - (a) copies of all analytical sample results collected under Conditions 6(a), 7(a) and 8 of this consent;
  - (b) a summary of all monitoring undertaken under this consent in the previous 12 month period and an assessment of compliance with the conditions of this consent;
  - (c) a comparison of effluent quality and quantity results from the past year with the results of previous years and the identification of any trends; and
  - (d) an overview of compliance with the requirements of the Operations and Maintenance Manual.

#### **General**

10. All sampling procedures, including collection and transportation of samples and laboratory analysis undertaken in connection with this permit, must be performed to IANZ registered standards or otherwise as specifically approved by the Consent Authority in writing.
11. The Consent Authority may, in accordance with Sections 128 and 129 of the Resource Management Act 1991, serve notice on the consent holder of its intention to review the conditions of this consent within three months of each anniversary of the commencement of this consent, for the purpose of:
  - (a) determining whether the conditions of this consent are adequate to deal with any adverse effect on the environment which may arise from the exercise of the consent and which it is appropriate to deal with at a later stage, or which become evident after the date of commencement of the consent; or
  - (b) ensuring the conditions of this consent are consistent with any National Environmental Standards or Regulations; or
  - (c) requiring the consent holder to adopt the best practicable option, in order to remove or reduce any adverse effect on the environment arising as a result of the exercise of this consent or
  - (d) amending or altering the monitoring programme based on monitoring results received.

**Note**

1. If you require a replacement consent upon the expiry date of this consent, any new application should be lodged at least 6 months prior to the expiry date of this consent. Applying at least 6 months before the expiry date may enable you to continue to exercise this consent until a decision is made, and any appeals are resolved, on the replacement application.

Issued at Dunedin this 21<sup>st</sup> day of January 2011

*Reissued at Dunedin this 13th day of June 2024 to vary Conditions 6(b) and 6(d) after review of conditions.*



Allan Cubitt

**Independent Decision Maker for Otago Regional Council**