

## WASTEWATER DISCHARGE CONDITIONS – RM220844

### General Conditions

1. The design, construction and operation of the domestic wastewater treatment and land application system shall be in general accordance with the information received in support of the application for resource consent RM220844, including:
  - (a) the On-Site Wastewater Disposal Assessment – 16 Lot Subdivision Proposal at 204 Pomona Road, Ruby Bay;
  - (b) the Ruby Bay Views Limited Proposed Subdivision of 204 Pomona Road Ruby Bay prepared by Rounce Project Solutions Limited dated 20 July 2023;
  - (c) the Planning Report prepared by Land Dimensions dated 4 October 2022; and
  - (d) the attached RM220844 Plan A.

In the event that there is any conflict between this document and any condition(s) of this consent, the conditions shall prevail.

#### **Advice Note:**

*The wastewater Discharge Permit RM220844 and stormwater Discharge Permit RM220845 have been granted as part of a bundle of consents applied for with Subdivision Consent RM220843. Individual resource consent numbers have not been allocated to specific lots at this time, with the discharge permit numbers being allocated to specific lots at the time of application for section 223 for each subsequent stage and this consent will be part transferred to the new lot.*

2. The Consent Holder shall provide a full design of the on-site wastewater system to Council when applying for the building consent. This shall define the Maximum Design Loading (MDL) daily discharge rate. The maximum rate of discharge shall not exceed 2000 litres per day (on each of the new lots) and shall be determined in accordance with ANZS 1547:2012.

#### **Advice Note:**

*Note that the proposed wastewater design was for 990L/day with a per person loading of 165L/day (assuming water reduction fittings). It may be impractical to fit a 2000L/day system with the relevant slope correction factor used.*

### Treatment and Land Application System

3. The maximum rate at which the wastewater is applied to land shall not exceed 2 millimetres per day (2 litres per square metre per day, this may be reduced with the slope correction factor). The land application area shall be no less than half the MDL in square

metres in area and incorporate at least half the MDL in lineal metres of pressure-compensating drip irrigation line.

4. Treated effluent shall be discharged via subsurface irrigation only. No effluent shall be discharged via surface laid disposal methods.
5. Disposal shall not occur on slopes greater than 20 degrees.
6. The treated wastewater entering the Land Application Area (LAA), as measured at the sampling point required to be installed in accordance with Condition 15 of this consent, shall comply at all times with the following limits:
  - (a) the 5-day biochemical oxygen demand (BOD5) in any single sample shall not exceed 30 grams per cubic metre; and
  - (b) the concentration of total suspended solids (TSS) in any single sample shall not exceed 45 grams per cubic metre.
7. The wastewater treatment system shall be fitted with an audible and visual alarm.
8. The land application area shall be located at a distance greater than:
  - (a) 20 metres from any surface water body;
  - (b) 20 metres from any bore used for potable water supply;
  - (c) 5 metres from any adjoining property or road boundary; and
  - (d) 5 metres from any drainage gully.
9. There shall be no ponding of wastewater on the ground surface, or any direct discharge or run-off of wastewater to surface water.
10. The land application area shall be appropriately protected from stormwater ingress, as well as potential damage from vehicles or heavy machinery.

**Advice Note:**

*It is strongly recommended that due to possible surface run-off patterns, a stormwater cut-off drain be installed upslope of the land application area.*

11. The land application area shall be planted with grass or appropriate vegetation within 3 months of completion of the installation of the system.
12. The construction and installation of the wastewater treatment plant and land application system shall be carried out under the supervision of a person who is suitably qualified and experienced.

That person shall provide a written certificate or producer statement to the Council's Team Leader - Compliance & Investigation prior to the exercise of this resource consent. This certificate or producer statement shall include sufficient information to enable the

Council to determine compliance with conditions of this consent and shall also confirm the following:

- (a) that all components of the wastewater system (including the treatment plant and the land application area) have been inspected and installed in accordance with standard engineering practice and the manufacturer's specifications; and
- (b) that all components of the wastewater system are in sound condition for continued use for the term of this resource consent.

13. The Consent Holder shall submit a set of final 'as-built' plans for the certification of the Council's Team Leader - Compliance & Investigation, showing the location of all components of the wastewater treatment and land application system.

For the purposes of this condition, the Consent Holder shall ensure that the 'as-built' plans are drawn to scale and provide sufficient detail for a Council Officer to locate all structures identified on the plans. The 'as-built' plans shall show as a minimum:

- (a) Who prepared the plan and the date it was prepared.
- (b) The location of all components of the wastewater treatment and land application system relative to:
  - (i) each other;
  - (ii) the nearest property boundary;
  - (iii) nearby fixed features, like a building/dwelling;
  - (iv) any bores/wells within 20 metres;
  - (v) any watercourses (including watercourses that may be dry for parts of the year) within 20 metres.
- (c) The brand and model of treatment system needs to be identified.
- (d) The location of the sampling point.
- (e) The total length (lineal metres) of any dripper line installed.
- (f) The distance/spacings between dripper lines.
- (g) The distance between holes on dripper lines (e.g., 1280mm).
- (h) The litre/hour discharge rate from the dripper lines (e.g., 1.6 L/hr).
- (i) The total area (in square metres) of the disposal field.
- (j) The locations of any air release valves and flush valves within the field.
- (k) Evidence of installation and specifications for all water-saving devices.

14. Disposal fields for Lots 1-4 and 6-14 shall have a suitable reserve LAA equivalent to 100 per cent of that defined in Condition 3 and shall be kept available for future use of wastewater disposal.

The disposal field for Lot 5 only shall have a suitable reserve LAA equivalent to 91 per cent of that defined in Condition 3 and shall be kept available for future use of wastewater disposal.

Reserve LAA's shall be at least 5 metres from the property boundary and remain undeveloped. For the purposes of this condition, 'undeveloped' means that no buildings or structures shall be constructed on the area set aside as reserve land application areas, however the reserve areas may be planted with trees or other vegetation.

15. A sampling point to allow collection of a sample of the treated wastewater shall be provided at a point located after the final pump-out chamber and before the point where the wastewater discharges into the land application area.

#### **Maintenance and Monitoring**

16. Samples of the treated wastewater shall be collected 12, and 24 months following the first exercise of this consent then once every 5 years, from the sampling point referred to in Condition 15. Samples shall be:

- (a) tested for BOD5 and TSS by an accredited environmental testing laboratory;
- (b) taken when the dwelling is being used in a typical fashion;
- (c) taken using laboratory-supplied containers and in accordance with procedure as directed by the environmental testing laboratory; and
- (d) transported to the laboratory under chain of custody. Results of these tests shall be provided to Council's Team Leader - Compliance & Investigation, within 10 working days of each test result being received by the Consent Holder.

#### **Advice Note:**

*'Typical fashion' means that the occupancy at the time of sampling, and during the preceding 48 hours, must vary by no more than one person to the usual number of residents.*

17. In the event that there is non-compliance with the standards outlined in Condition 6 above, the Consent Holder shall, within 2 weeks of receiving the results, commission a suitably qualified wastewater specialist to prepare a report which shall:

- (a) review all matters which may have influenced the non-compliance;
- (b) propose any necessary changes to the wastewater treatment system and/or the system's operation and maintenance requirements; and

- (c) propose any additional monitoring necessary to gain information on the cause and extent required to predict the effect on the receiving environment.

A copy of the report shall be forwarded to Council within 2 months of the non-compliance incident and any mitigation and/or remediation works required shall be implemented to the satisfaction of Council.

- 18. The Consent Holder shall enter into, and maintain in force at all times, a written maintenance and monitoring contract with an experienced wastewater treatment plant operator, or a person trained in the wastewater treatment operation by the system designer, for the ongoing maintenance of the treatment and land application systems.

The contract shall specify the frequency of treatment plant inspections and maintenance during the term of this resource consent and shall include an inspection and maintenance schedule that is in accordance with the conditions of this consent.

A signed copy of this contract shall be forwarded to the Council's Team Leader - Compliance & Investigation prior to the exercise of this consent.

- 19. Notwithstanding Condition 18, the wastewater treatment and land application system shall be inspected and serviced at least once a year and a copy of the service provider's maintenance report shall be forwarded to the Council's Team Leader - Compliance & Investigation within 2 weeks of each inspection. The inspection report shall include, but not be limited to, the following information:

- (a) the date the inspection was undertaken and the name of the service provider;
- (b) a list of all components of the treatment and land application systems that were inspected and the state of those components;
- (c) any maintenance undertaken during the visit or still required, and a timetable for the expected completion of this work;
- (d) a description of the appearance of the filter/s and tanks;
- (e) the location and source of any odour detected from the system; and
- (f) a description of the appearance of the land application area (ponding, vegetation growth, etc.).

**Advice Note:**

*This condition does not establish the servicing interval required for the wastewater treatment and land application system, only that Council requires evidence of annual servicing (as a minimum). The appropriate servicing interval for the system is determined under Condition 18 which, depending on system requirements, may require servicing every 6 months.*

**Review of Consent Conditions**

20. The Council may, during the month of August each year, review any or all of the conditions of the consent pursuant to section 128 of the Act for all or any of the following purposes:
- (a) to deal with any adverse effect on the environment which may arise from the exercise of the consent that was not foreseen at the time of granting of the consent, and which is therefore more appropriate to deal with at a later stage; and/or
  - (b) to require the Consent Holder to adopt the best practical option to remove or reduce any adverse effects on the environment resulting from the discharge; and/or
  - (c) to review the contaminant limits, loading rates and/or discharge volumes and flow rates of this consent if it is appropriate to do so; and/or
  - (d) to review the frequency of sampling and/or number of determinants analysed if the results indicate that this is required and/or appropriate; and
  - (e) to require consistency with any relevant Regional Plan, District Plan, National Environmental Standard or Act of Parliament

### **Transfer of Consent**

21. The Consent Holder shall ensure that the consent is transferred to any new property owner. The transferor remains responsible for compliance with the terms and conditions of the consent until written notice of the transfer is given to the Council.

#### ***Advice Note:***

*This is required as a discharge consent is not attached to the land but rather the person(s) the consent is granted to. It is the responsibility of the Consent Holder to exercise this consent and have the appropriate names changed on the consent as property ownership changes.*

### **Lapse and Expiry**

22. Pursuant to section 125 of the Act, this consent shall lapse 10 years after the issue date of the Computer Freehold Registers (title) for each new allotment of Subdivision Consent RM220843, or the Council has granted an extension pursuant to section 125(1A)(b) of the Act.
23. This resource consent shall expire 15 years from the date that the building consent for the dwelling and wastewater systems on the site is granted.
24. The Consent Holder shall advise Council's Team Leader - Compliance & Investigation as well as the Administration Officer Resource Consents when the building consent is granted.

## GENERAL ADVICE NOTES

1. This is not a building consent, and the Consent Holder shall meet the requirements of Council with regard to all Building and Health Bylaws, Regulations and Acts.
2. Monitoring of this resource consent is required under section 35 of the Resource Management Act 1991. Costs incurred may be recovered under section 36 of the Resource Management Act 1991. A deposit fee is payable at this time and should monitoring costs exceed this initial fee, the Consent Authority will recover the additional amount from the Consent Holder. Monitoring costs can be minimised by consistently complying with the resource consent conditions.
3. Any matters not referred to in this application for resource consent or otherwise covered in the resource consent conditions must comply with the proposed Tasman Resource Management Plan and/or the Resource Management Act 1991.
4. Access by the Council or its officers or agents to the property is reserved pursuant to section 332 of the Resource Management Act.
5. Discharge consents are attached to the person. The Consent Holder is required to apply for a transfer of consent in the event of change in property ownership.
6. Council draws your attention to the provisions of the Heritage New Zealand Pouhere Taonga Act 2014 that require you in the event of discovering an archaeological find (e.g., shell, midden, hangi or ovens, garden soils, pit, depressions, occupation evidence, burials, taonga) to cease works immediately, and tangata whenua, the Tasman District Council and Heritage New Zealand should be notified within 24 hours. Works may recommence with the written approval of the Council's Group Manager - Environmental Assurance, and Heritage New Zealand.
7. This resource consent only authorises the activity described above. Any matters or activities not referred to in these consents or covered by the conditions must either
  - (a) comply with all the criteria of a relevant permitted activity rule in the Tasman Resource Management Plan (TRMP);
  - (b) be allowed by the Resource Management Act; or
  - (c) be authorised by a separate resource consent.

## RM220844 Plan A – Land Application Area Design

