

1.0 Regional Council Conditions of Consent – Wastewater Discharge

To take groundwater and divert groundwater for dust suppression purposes and dewatering associated with construction activities for the Ashbourne Retirement Village

Duration: 35 years

Lapse Period: 10 years

1.1 General Conditions

- (1) The discharge of wastewater to land authorised by this resource consent shall be undertaken in general accordance with the application documentation as listed in XXX dated XXX recorded as document number XXXXXX in the Waikato Regional Council's document recorder system unless inconsistent with the conditions below, which must prevail.
- (2) The Consent Holder shall be responsible for all contracted operations relating to the exercise of this resource consent and shall ensure contractors are made aware of the conditions of this consent and their requirement to comply with those conditions.
- (3) A copy of this resource consent and all certified management plans shall be kept onsite at all times that the works authorised by this resource consent are being undertaken, and shall be produced without unreasonable delay upon request from an agent of the Waikato Regional Council.

1.1.1 Fees and Charges

- (4) The Consent Holder must pay to the consent authority any administrative charge fixed in accordance with section 36 of the *RMA*, or any charge prescribed in accordance with regulations made under section 360 of the *RMA*.

1.1.2 Consent Lapse

- (5) Pursuant to clause 26(2) of Schedule 5 to the *FTAA*, the consents numbered RCXX shall lapse ten (10) years from the date of commencement unless it has been given effect to, surrendered, or been cancelled at an earlier date.

1.2 Reticulation

- (6) All wastewater pipework and pump stations serving the development shall be constructed and installed in accordance with the latest version of the Waikato Local Authority Shared Services Regional Infrastructure Technical Specifications.

1.3 Discharge of Wastewater

- (7) The maximum volume of treated wastewater discharged on-site must not exceed 120,920 litres per day (120.92 cubic metres per day), as measured over any 24-hour period.

Note A: The Consent Holder shall ensure that water reduction fixtures are installed in the buildings serviced by the wastewater treatment and land application systems. Water reduction fixtures include, but are not limited to, the following: dual flush water closets, shower flow restrictors, aerator faucets (taps) and low water use automatic washing machines.

- (8) The Consent Holder shall ensure that the quality of the treated wastewater discharged to the ground shall comply with the following limits:
- a. The concentration of five-day Biochemical Oxygen Demand must not exceed 20 milligrams per litre (20mg/l BOD₅).
 - b. The concentration of Total Suspended Solids must not exceed 30 milligrams per litre (30mg/l TSS)
 - c. 40 grams per cubic metre in terms of Total nitrogen (40 g/m³ TN)
 - d. 200 cfu/100mL in terms of *Escharichia coli* (200 cfu/100mL *E.coli*).

Note B: All quality analyses shall be undertaken by an IANZ accredited or equivalent laboratory. All methods used shall be appropriate for the analyses undertaken.

- (9) Treated wastewater shall be discharged into the ground via pressure compensating dripper irrigation at an areal loading rate that does not exceed 5 millimetres per day (i.e. 5 litres per square metre) or the absorptive capacity of the soils, whichever is the lesser.
- (10) The treated wastewater shall not be discharged into any soakage system at such a rate so as to exceed the absorptive capacity of the soils.
- (11) The discharges shall be uniformly distributed over the disposal system
- (12) The Consent Holder shall ensure that a reserve wastewater disposal area of not less than one hundred percent (100%) of the duty disposal area shall be available at all times. To this end, the Consent Holder shall ensure that no permanent hard surface (for example concrete) shall be placed over the reserve disposal area for the duration of this consent.
- (13) The consent holder shall ensure that there is a minimum vertical separation distance of at least 600 millimetres of unsaturated soil between the base of any disposal system and the ground water table at all reasonable times. The term “at all reasonable times” implies that the specified vertical distance is maintained during the wettest months of the year immediately following a typical short duration rainfall event (e.g. a 6-month return period event).
- (14) There shall be no breakout (uncontrolled discharge) of wastewater onto the ground surface from any part of the wastewater treatment system or the disposal area that results in visible ponding of the wastewater on the ground surface and/or an overland discharge of wastewater.
- (15) Surface stormwater and stormwater runoff shall be directed away from the wastewater treatment system and disposal area, as extensively as practicable.
- (16) All components of the treatment system (including reticulation) shall be maintained in as watertight a condition as practicable to prevent the ingress of stormwater or groundwater into the system.

- (17) The Consent Holder shall ensure that there is no activity undertaken on top of the treatment system or disposal area that may cause damage to the disposal system (e.g. stock grazing, deep rooting trees, or car parking, etc.)
- (18) Where the disposal area is to be grassed, the grass must be mown regularly to ensure it continues to grow and take up nutrients. Where the disposal area is to be planted, the plants shall be weeded and maintained regularly, and only suitable plants shall be used.
- (19) An audible or visual high water level emergency alarm system shall be located within the new wastewater treatment system, to warn of a sewage pump failure. The alarm(s) shall be in a prominent position to ensure it is noticed if activated.
- (20) The Consent Holder shall maintain signs at the entrance to the Wastewater Treatment Plant and at the disposal area which provides the appropriate contact telephone numbers in the event of an emergency, complaint, or enquiry. The signs shall also include the words 'warning – health risk', along with 'wastewater treatment plant' or 'wastewater disposal area'.
- (21) The discharge shall not result in any objectionable effects from odour beyond the boundary of the subject property.

1.4 Management, Monitoring and Maintenance

- (22) Within one (1) month of the completion of the installation the new wastewater treatment and disposal systems, the Consent Holder shall submit to the WRC the following:
- An 'as built' plan of the treatment and disposal system; and
 - Verification from the installed of the system that it has been installed in accordance with the information submitted in support of the application and best practice.
- (23) Within one (1) month of commissioning of the new wastewater treatment systems, the Consent Holder shall, to the satisfaction of WRC, provide evidence that a maintenance contract or maintenance programme for the system exists, and which is to be applied for the duration of consent.
- (24) The Consent Holder shall retain and update as necessary a Wastewater Management Plan for the site. The following matters shall be addressed, as a minimum:
- An inspection programme designed to verify the correct functioning of all components of the wastewater treatment system; and
 - A schedule or checklist of maintenance requirements for all reticulation, and the wastewater treatment and disposal system. The maintenance requirements shall also specify that the systems shall be maintained on a minimum six-monthly frequency; and
 - A copy of the names of the appropriate contact people in the event of system malfunction including contact telephone numbers; and
 - Monitoring and reporting requirements; and
 - A contingency plan for action to be taken in the event of wastewater breakout from the treatment system and/or disposal areas.

f. A plan to be enacted should replacement of the disposal system be required.

The Management Plan, along with any notification of any changes made to it, shall be provided to the WRC within three (3) months of exercising the consent or making changes to the Management Plan

(25) The Consent Holder shall ensure that the wastewater treatment and disposal system is properly operated and maintained at all times.

(26) The treatment system shall be de-sludged as necessary and in particular within one month of receipt of notice in writing from the WRC to do so.

(27) The following maintenance requirements are specified:

- a. The grease trap/s shall be inspected every three months for the duration of this consent and cleaned out when 50% filled with scum and/or sludge
- b. The outlet filter/s shall be cleaned every six months
- c. The dripper lines shall be flushed out every twelve months
- d. The Consent Holder shall replace the UV treatment bulbs by the 1 February every year (not including the first year of the consent being issued). All records of UV treatment bulbs being replaced shall be provided to WRC within five (5) working days of a request.

(28) The Consent Holder shall keep a written record of the date and details of maintenance events, such as pump-outs, servicing, inspections, stoppages, faults, and any remedial action taken on the structures authorised by this consent and these records shall be included in the annual reporting required by this consent, and made available to the WRC within five (5) working days of request.

(29) The Consent Holder shall ensure that a flow meter is available to record the total quantity of treated wastewater discharged on site on a cumulative daily basis. The meter shall have a reliable calibration to flow, which shall be maintained to an accuracy of +/- 5%. The total flow used every day shall be recorded. Access to the meter shall be available to WRC staff at all reasonable times.

(30) The Consent Holder shall sample the combined treated effluent prior to discharge on two occasions each year within the months of March and September. The sample shall be analysed for the following parameters:

- a. Biochemical Oxygen Demand (BOD₅)
- b. Total Suspended Solids (TSS)
- c. Total Nitrogen (TN)
- d. Ammoniacal Nitrogen (NH₄-N) and
- e. *Escherichia coli* (*E. coli.c*)

Refer Advice Note B in condition 7.

(31) If sampling results show the effluent quality standards in Condition 7 have not been met, the Consent Holder shall take all practicable measures to remedy the exceedance and shall

repeat sampling as required by Condition 29 until the discharge quality is within the limits required by Condition 7.

- (32) The Consent Holder shall report to the satisfaction of the WRC, the water usage volume and quality monitoring records required by Conditions 28 and 29 via electronic means on a quarterly basis for the duration of this consent.
- (33) The Consent Holder shall provide to the WRC a written report by 30 November each year, addressing the following:
- a. A summary of all monitoring results required by conditions of this resource consent for the year ending 30 June
 - b. Critical analysis of the monitoring data collected and comments on any emerging trends
 - c. Comment on compliance with the conditions of this resource consent
 - d. Comment on the performance and adequacy of the disposal system, matters of compliance.
 - e. Any reasons for non-compliance or difficulties in achieving compliance with the conditions of this resource consent and a description and summary of the efficacy of any remedial works undertaken; and
 - f. Any other issue considered relevant to the Consent Holder.
- (34) The Consent Holder shall notify the WRC within 24 hours (where practicable) of the Consent Holder becoming aware of any occasion when the limits specified in Conditions 7 and 8 of this resource consent being exceeded, or any accidental discharge, plant breakdown, or other circumstance which is likely to result in the limits of this consent being exceeded. The Consent Holder shall, within ten (10) working days of the incident occurring, provide a written report to the WRC, identifying the non-compliance, possible causes and steps to ensure future compliance, which may include but not be limited to an investigation of the treatment plant operation and capabilities, bore monitoring, and the implementation of remedial action to prevent recurring non-compliance
- (35) The Consent Holder shall maintain and keep a Complaints Register for all complaints made about the treatment and discharge operations received by the Consent Holder. The Register shall record:
- a. The date, time, and duration of the alleged event/incident that has resulted in the complaint
 - b. The location of the complainant when the alleged event/incident was detected
 - c. The possible cause of the alleged event/incident
 - d. The weather conditions and wind direction at the site when the event/incident allegedly occurred, if significant to the complaint
 - e. Any corrective action undertaken by the Consent Holder in response to the complaint.
- (36) The Register shall be made available to the WRC at all reasonable times. Complaints which may indicate non-compliance with the conditions of this resource consent shall be forwarded to the WRC within five (5) working days of the complaint being received.

1.5 Advice Notes

- 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.
- 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 (Sections 134 to 137 of the *RMA*).
- The reasonable costs incurred by *WRC* 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 *WRC* 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.
- Note that pursuant to Section 332 of the *RMA*, enforcement officers may at all reasonable times go onto the property that is the subject of this consent, for the purpose of carrying out inspections, surveys, investigations, tests, measurements or taking samples.