

Specific Conditions for the Pines WWTP to discharge contaminants to land and air under CRC101109 in respect of proposed Plan Change 8 Land

Private Plan Change 8 to the Selwyn District Plan seeks to re-zone the land shown on Plan CRC101109C ('the Plan Change land') from Outer Plains zone to Residential Living 3 zone for rural residential development. Conditions 35 to 42 are contingent on rural residential re-zoning of the Plan Change land becoming operative, and in which case the following additional conditions shall apply:

- 35) When discharging wastewater to land adjacent to the Plan Change land, the consent holder shall ensure that:
 - (a) The discharge shall be in an aerobic state.
 - (b) The dissolved oxygen concentration shall not be less than a trigger level of 0.5 grams per cubic metre.
 - (c) The dissolved oxygen concentration in the discharge shall be continuously monitored and an alarm fitted that activates in the event that the dissolved oxygen concentration is less than the trigger level in clause (b) of this condition.
 - (d) The dissolved oxygen monitoring device shall be calibrated and serviced annually.
- 36) The requirements of conditions 35(c) and 35(d) shall be undertaken by the consent holder for a minimum of at least two years from the date of commencement of spray irrigation of wastewater to land in accordance with this consent.
- 37) The requirements of conditions 35(c) and 35(d) shall no longer apply upon provision of a certificate signed by the person responsible for designing the wastewater irrigation system, or by a chartered Professional Engineer (CPEng), to the Canterbury Regional Council, Attn: RMA Compliance and Enforcement Manager, certifying that:
 - (i) dissolved oxygen in the discharge has been continuously monitored for at least two years; and
 - (ii) the minimum level of dissolved oxygen concentration specified in condition 35(b) has been continuously met or exceeded during that two year period.
- 38) If the minimum level of dissolved oxygen concentration specified in condition 35(b) is breached, or the UV requirements specified in condition 4 are not achieved, then the following provisions shall apply:
 - (i) Any discharge of treated wastewater to land adjacent to the Plan Change land shall be setback no less than 200 metres from the common boundary as shown on Plan CRC101109C when the winds of any strength are from 170oN to 310oN; provided that
 - (ii) When the winds are not from 170oN to 310oN any discharge of treated wastewater shall comply with the setback distances prescribed by condition 39.
- 39) In respect of shelter belt planting:
 - (a) The consent holder shall establish a shelter belt comprising three rows of closely planted evergreen trees along the common boundary defined under condition 38(i).
 - (b) No discharge of treated wastewater to land shall occur within 150 metres of that common boundary until;
 - (i) the trees referred to in condition 39(a) have reached a consistent minimum height of 3 metres and have developed into a dense continuous shelter belt without gaps; and
 - (ii) the consent holder has demonstrated to the satisfaction of the Canterbury Regional Council, Attn: RMA Compliance and Enforcement Manager, that the boundary plantings comply with condition 39(b)(i).

- (c) Following confirmation pursuant to condition 39(b)(ii), discharge of treated wastewater to land may occur up to 25 metre from the common boundary defined under Condition 38(i).
- 40) In the event of cessation of irrigation from the wastewater spray irrigation system for more than 24 hours on land adjacent to the Plan Change land, the consent holder shall not start up irrigation from the spray irrigation system within 200 metres of the common boundary defined under Condition 38(i).
- 41) There shall be no end guns associated with the wastewater spray irrigation system located on Pt Lot 1 DP61557 or Pt RS 33357, being that part of the land subject to this consent located north of Burnham School Road.
- 42) No discharge of treated wastewater to land from a spray irrigation system shall occur within 150 metres of the common boundary defined under Condition 38(i) unless:
- (a) The spray irrigation nozzles are no more than 2 metres above ground level.
 - (b) The spray irrigation nozzles produce large consistent droplets such as produced by the Nelson R3000 brand or similar product.
 - (c) The operating pressure at the spray irrigation nozzles does not exceed 103 kilopascals (kPA).