

SUMMARY STATEMENT OF MURRAY ENGLAND

Introduction

1. My name is **MURRAY RUSSELL ENGLAND** and I prepared a Statement of Evidence dated 3 September 2021 as an officer of Selwyn District Council with respect to Plan Change 73 to the Selwyn District Plan. My qualifications and experience are set out in that statement.
2. I now provide a summary of my evidence, which addresses the water supply, wastewater system and stormwater and water race network operated by Council which might be impacted by this plan change.

Water Supply

3. The Rolleston Water Supply provides UV treated deep groundwater to the Rolleston community.
4. Rolleston is expected to see significant growth over the next 30-years. Capacity upgrades are proposed to meet this growth including additional water sources (bores), storage and pipeline infrastructure.
5. I consider that capacity within the reticulated network to service this plan change is available and/or further capacity upgrades are proposed and planned for and therefore future water conveyance capacity can be provided to accommodate this request. Vesting of land, within the plan change area, to facilitate capacity upgrades will be required.
6. Priority of consented water allocation needs to be given to those developments within the Rolleston Structure Plan. This plan change area is outside of the Rolleston Structure Plan area and therefore, should the plan change be approved in whole or in part, consented water should be vested in Council.

7. To ensure adequate quantity of consented water remains for areas within the

Rolleston Structure Plan, it is recommended that consents CRC203009 and CRC203010 are vested in Council and that this be a requirement of the plan change.

8. The reticulated water supply for the proposed plan change will need to be designed to meet firefighting standards.

Wastewater

Pines WWTP

9. Wastewater is treated and disposed of at the Pines wastewater treatment plant (the Pines WWTP) in Rolleston. The Pines WWTP is designed to be progressively upgraded to accommodate up to 60,000 person equivalents (PE) of incoming flow, with plans to increase the treatment capacity up to 120,000 PE being prepared ("Pines 120"). I discuss the additional consents required for this increase in my Statement of Evidence. The current connected catchment (2021) has a population equivalent of approximately 42,000 - 45,000.

Reverse sensitivity

10. The Pines WWTP is significant infrastructure and its ongoing expansion is critical to allow for the future growth of Rolleston and the other townships the plant treats.
11. In my view, it is critical that this plan change and specifically the Holmes block proposal does not cause any reverse sensitivity issues which would obstruct the future Pines 120 consenting and upgrade program or lead to an increase in odour or other complaints relating to the Pines WWTP. If reverse sensitivity issues result in obstructing the Pines 120 program, then there will be insufficient wastewater treatment capacity to provide for additional growth, including growth sought to be enabled by the proposed plan change.
12. Should the plan change be approved, I consider there should be measures put in place to avoid reverse sensitivity issues arising from sensitive activities (including residential activities) establishing in the Holmes block. I consider that one way this could be achieved is through the imposition of a setback area within the Holmes Block preventing sensitive activities from establishing.
13. I have read the Evidence of Mr Jeremy Phillips. At paragraph 47 Mr Phillips proposes a new rule limiting the establishment of residential allotments within 1500m of the

Pines WWTP prior to certification that the necessary regulatory approvals for the upgrade have been obtained, or 31 December 2025 whichever is sooner. In addition, Mr Phillips proposes the inclusion of no complaints covenants to the Odour Constrained Area and a new assessment matter seeking staging of development westward from Dunns Crossing Road.

14. While this proposal goes some way to addressing my concerns in terms of the future consenting of the Pines WWTP to 120,000 PE capacity, I remain concerned that it would not address the potential for complaints after regulatory approvals are obtained, or after 31 December 2025 (whichever is sooner).
15. While the proposal seeks to address the potential for complaints prior to consenting, it may not fully address the Pines 120 operation itself. Reverse sensitivity issues from the establishment of sensitive activities could be directed at the operations of the Pines 120 upgrade, including in relation to any unforeseen events that might have odour impacts on the operations, such as high potency / concentration of trade waste discharge, failure of plant components, extreme climatic conditions (e.g. wind direction and speed, sunshine hours).
16. Further options to reduce reverse sensitivity is to extend the Odour Constrained Area setback further, and for the no complaints covenants to be extended within the proposed 1500m setback area.

Wastewater Conveyance

17. Connection of the development's wastewater network from the Holmes and Skellerup Blocks to the Council's reticulated network is feasible and will be the subject of an engineering approval process in the future. I comment on potential solutions in my evidence.

Stormwater

18. It is anticipated by the applicant that stormwater will be treated through one or a number of stormwater management devices. The treatment options proposed by the applicant are appropriate and can be designed to provide a safe stormwater treatment utility.
19. There is a viable means to dispose of stormwater for this plan change area. I would

recommend that a stormwater consent is obtained from Environment Canterbury prior to resource consent being applied for from Selwyn District Council.

Water Race

20. The applicant refers to the Council water race which flows across the northwest corner of the Holmes Block and then southwards along the western boundary before passing under Burnham School Road.

21. There are a number of ways to treat the water race. However, closing the race may not be a viable option. The ultimate treatment of the water race can be determined at subdivision consent stage.

Murray England

28 September 2021