

## Simon Gabrielle

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**Subject:** FW: j5864 - Mangakuri wastewater

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**From:** Steve Crockford <[steve@emsnz.co.nz](mailto:steve@emsnz.co.nz)>

**Sent:** Monday, June 10, 2024 1:41 PM

**To:** Simon Gabrielle <[simon@sgl.nz](mailto:simon@sgl.nz)>

**Subject:** RE: j5864 - Mangakuri wastewater

Hi Simon,

Further to our phone call, I can confirm that the area of land allocated for treated effluent application on each of the proposed lots takes into account the soil type and degree of slope.

As noted in the initial EMS report

**For example: The DIR on very CLAYEY sloping sites should be reduced to 2.2mm / day with a land area of 700m<sup>2</sup> required for a typical 4 bedroom home.**

**Please also note that the area of land reserved for future effluent application is not included in the above calculation, this approach adds further assurance that conservative design has been considered**

The above calculation is in line with best practice and complies with table 5.2 page 55 ASNZS 1547-2012 *Soil categories and recommended design irrigation rates for land application systems*.

Kind regards

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