

From: [Tammy Ward](#)
To: [Tammy Ward](#)
Subject: RM195191 - Further Info recvd 11 Mar20 - info from FEL
Date: Monday, 4 May 2020 12:40:20 p.m.
Attachments: [image002.png](#)

From: David Carlson-McColl <david@flowenvironments.co.nz>
Sent: Wednesday, 11 March 2020 10:09 AM
To: Bernsdorf Solly, Susi <Susi.b.solly@wsp.com>
Cc: courtenay isherwood <csisherwood@hotmail.com>; Tammy Ward <Tammy.Ward@ncc.govt.nz>
Subject: RE: RM195192 - 205 Lud Valley - RFI response clarification

Hi Susi, from the cross sections, slopes within the disposal field will be up to 38%. I confirm that the proposed peak disposal rate of 1.5mm per day is acceptable for this slope, at this site. This conclusion is based on the soil conditions and my site observation that the proposed disposal area is well vegetated with no identified evidence of shallow failures at present, regards

David Carlson-McColl
Water and Wastewater Engineer | CP.Eng

FLOW ENVIRONMENTS

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From: Bernsdorf Solly, Susi <Susi.b.solly@wsp.com>
Sent: Wednesday, 11 March 2020 9:41 AM
To: David Carlson-McColl <david@flowenvironments.co.nz>
Cc: courtenay isherwood <csisherwood@hotmail.com>; Tammy Ward <Tammy.Ward@ncc.govt.nz>
Subject: RM195192 - 205 Lud Valley - RFI response clarification

Hi David,

As discussed, I just wanted to clarify one aspect of your response that was submitted by Courtenay last week. I understand that the DIR (3mm) has been reduced by 50% in accordance with Table M2 of ASNZS1547:2012, however for slopes over 30% "advice from a suitably qualified and experienced person" is required.

Therefore, can you please confirm that the proposed DIR rate of 1.5mm is appropriate given the steepness of the site (refer to attached contours/cross sections).

All other aspects relating to stormwater (Q11) and Wastewater discharge (Q13) have been adequately addressed.

Kind regards,
Susi

Susi Bernsdorf Solly
Senior Planner



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