

Table 6–5. Linear loading rates

Soil characteristics			Linear loading rates (litres/metre/day) ¹								
			Slope								
			<5%			5-10%			>10%		
Soil category	Soil texture	Structure	Depth of natural, unsaturated soil (cm)								
			20 - 30	31 - 60	>61	20-30	31-60	>61	20-30	31-60	>61
1	Gravels and medium-coarse sands	Structureless	50	62	75	62	75	87	75	87	99
	Fine sand and loamy sand	Structureless	43	56	68	50	62	75	62	75	87
2	Sandy loams	Weakly structured	43	56	68	50	62	75	62	75	87
		Massive	37	43	50	45	51	57	62	75	87
3	Loams	High/ moderate structured	41	47	53	45	51	57	48	55	61
		Weakly structured or Massive	25	29	32	30	34	37	34	40	46
4	Clay loams	High/ moderate structured	30	36	42	34	37	41	37	43	50
		Weakly structured	25	31	37	27	34	40	30	36	42
		Massive	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	Light clays	Strongly structured	25	31	37	27	34	40	30	36	42
		Moderately structured	25	31	37	27	34	40	30	36	42
		Weakly structured or Massive	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6	Medium to heavy clays	Strongly structured	25	31	37	27	34	40	30	36	42
		Moderately structured	25	31	37	27	34	40	30	36	42
		Weakly structured or Massive	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

NOTES:
 1. Adapted from [Designing and Installing On-site Wastewater Management Systems from WaterNSW \(2023a\)](#) and based on Hydraulic Wastewater Loading Rates to Soil Tyler (2001).