

Water quality management assessment - CIRIA SuDS Manual 'Simplified Index Approach' - Proposed

Pollution hazard indices from Table 26.2 'Pollution hazard indices for different land use classifications'
Mitigation indices from Table 26.3 'Indicative SuDS mitigation indices for discharges to surfae waters'

Former Glen Dimplex
Whiston
v1.0 HYD1128



Treatment Stage and Component												
Description of area being served	Ref. no.	Category	Pollution type	Hazard index	Primary	Secondary		Tertiary		Total SuDS mitigation index	Assessment criteria	Acceptable (y/n)
Roof area	001	Residential roofs	Pollution hazard level	Very low	Filter Drain	Detention Basin	(factored by 0.5)					
			Total suspended solids (TSS)	0.2	0.40	0.50	0.25			0.65	0.20	y
			Metals	0.2	0.40	0.50	0.25			0.65	0.20	y
			Hydrocarbons	0.05	0.40	0.60	0.30			0.70	0.05	y
Domestic Driveways	002	Individual property driveways, residential car parks, low traffic roads (eg cul de sacs, homezones and general access roads) and non-residential car parking with infrequent change (eg schools, offices) ie < 300 traffic movements/day	Pollution hazard level	Low	Filter Drain	Detention Basin	(factored by 0.5)					
			Total suspended solids (TSS)	0.5	0.40	0.50	0.25			0.65	0.50	y
			Metals	0.4	0.40	0.50	0.25			0.65	0.40	y
			Hydrocarbons	0.4	0.40	0.60	0.30			0.70	0.40	y
Private/Adoptable Estate Roads	003	Individual property driveways, residential car parks, low traffic roads (eg cul de sacs, homezones and general access roads) and non-residential car parking with infrequent change (eg schools, offices) ie < 300 traffic movements/day	Pollution hazard level	Low	Detention Basin							
			Total suspended solids (TSS)	0.5	0.50					0.50	0.50	y
			Metals	0.4	0.50					0.50	0.40	y
			Hydrocarbons	0.4	0.50					0.50	0.40	y