

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

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



Description of area being served	Ref. no.	Category	Pollution type	Hazard index	Primary	Treatment Stage and Component				Total SuDS mitigation index	Assessment criteria	Acceptable (y/n)
						Secondary	Tertiary					
Main Factory/ Manufacturing Areas , Delivery Yards & Chemical Hadling Zones	001	Sites with heavy pollution... industrial sites; sites where chemicals and fuels are delivered, handled, stored, used or manufactured (CIRIA Table 26.2 - High)	Pollution hazard level	High								
			Total suspended solids (TSS)	0.8						0.00	0.80	n
			Metals	0.8						0.00	0.20	n
			Hydrocarbons	0.9						0.00	0.05	n
Internal Service Roads, Hardstanding & Delivery Approaches	002	Commercial yard and delivery areas, non-residential car parking with frequent change... all roads except low traffic roads (CIRIA Table 26.2 - Medium)	Pollution hazard level	Medium								
			Total suspended solids (TSS)	0.7						0.00	0.70	n
			Metals	0.6						0.00	0.60	n
			Hydrocarbons	0.7						0.00	0.70	n
Staff / Visitor Car Parking Areas	003	Non-residential car parking with infrequent change (eg offices) ie < 300 traffic movements/day (CIRIA Table 26.2 - Low)	Pollution hazard level	Low								
			Total suspended solids (TSS)	0.5						0.00	0.50	n
			Metals	0.4						0.00	0.40	n
			Hydrocarbons	0.4						0.00	0.40	n
Factory / Building Roofs	004	Other roofs (typically commercial/industrial roofs) (CIRIA Table 26.2 - Low). Note: potential for metal leaching from	Pollution hazard level	Low								
			Total suspended solids (TSS)	0.3						0.00	0.30	n
			Metals	0.2						0.00	0.20	n
			Hydrocarbons	0.05						0.00	0.05	n