

Sovereign Phase 2 Pollution Hazard Score Validation

Where the mitigation index of an individual component is insufficient, two components (or more) in series will be required, where:

$$\text{Total SuDS mitigation index} = \text{mitigation index}_1 + 0.5 (\text{mitigation index}_2)$$

Where:

mitigation Index_n = mitigation index for component n

A factor of 0.5 is used to account for the reduced performance of secondary or tertiary components associated with already reduced inflow concentrations.

		Catchment 1	Unit A1 Yard	
Notes	Pollution Hazard Index	Total Suspended Solids TSS	Metals	Hydrocarbon
Site Category	High	0.8	0.8	0.9
Treatment				
Oil Interceptor	1st	0.8	0.6	0.9
Vortex Separators	2nd	0.5	0.4	0.5
Score		1.05	0.8	1.15
Ranking		Pass	Pass	Pass

		Catchment 2	Unit A2 Yard	
Notes	Pollution Hazard Index	Total Suspended Solids TSS	Metals	Hydrocarbon
Site Category	High	0.8	0.8	0.9
Treatment				
Oil Interceptor	1st	0.8	0.6	0.9
Vortex Separators	2nd	0.5	0.4	0.5
Score		1.05	0.8	1.15
Ranking		Pass	Pass	Pass

		Catchment 3	Retail Store Yard	
Notes	Pollution Hazard Index	Total Suspended Solids TSS	Metals	Hydrocarbon
Site Category	High	0.8	0.8	0.9
Treatment				
Oil Interceptor	1st	0.8	0.6	0.9
Vortex Separators	2nd	0.5	0.4	0.5
Score		1.05	0.8	1.15
Ranking		Pass	Pass	Pass

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		Catchment 4	Access Road to B1	
Notes	Pollution Hazard Index	Total Suspended Solids TSS	Metals	Hydrocarbon
Site Category	High	0.8	0.8	0.9
Treatment				
Hauraton drainfix	1st	0.99	0.99	0.99
Score		0.99	0.99	0.99
Ranking		Pass	Pass	Pass

		Catchment 5	Access Road to A1 & B1	
Notes	Pollution Hazard Index	Total Suspended Solids TSS	Metals	Hydrocarbon
Site Category	High	0.8	0.8	0.9
Treatment				
Hauraton drainfix	1st	0.99	0.99	0.99
Score		0.99	0.99	0.99
Ranking		Pass	Pass	Pass

		Catchment 6	Access Road to A1	
Notes	Pollution Hazard Index	Total Suspended Solids TSS	Metals	Hydrocarbon
Site Category	Medium	0.7	0.6	0.7
Treatment				
Hauraton drainfix	1st	0.99	0.99	0.99
Oil Interceptor	2nd	0.8	0.6	0.9
Vortex Seperators	3rd	0.5	0.4	0.5
Score		1.64	1.49	1.69
Ranking		Pass	Pass	Pass

		Catchment 7	Unit B Car Park	
Notes	Pollution Hazard Index	Total Suspended Solids TSS	Metals	Hydrocarbon
Site Category	High	0.8	0.8	0.9
Treatment				
Oil Interceptor	1st	0.8	0.6	0.9
Score		0.8	0.6	0.9
Ranking		Pass	Pass	Pass

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		Catchment 8	Unit A1 Car Park	
Notes	Pollution Hazard Index	Total Suspended Solids TSS	Metals	Hydrocarbon
Site Category	High	0.8	0.8	0.9
Treatment				
Oil Interceptor	1st	0.8	0.6	0.9
Score		0.8	0.6	0.9
Ranking		Pass	Pass	Pass

		Catchment 9	Unit A2 Car Park	
Notes	Pollution Hazard Index	Total Suspended Solids TSS	Metals	Hydrocarbon
Site Category	High	0.8	0.8	0.9
Treatment				
Oil Interceptor	1st	0.8	0.6	0.9
Vortex Separators	2nd	0.5	0.4	0.5
Score		1.05	0.8	1.15
Ranking		Pass	Pass	Pass

		Catchment 10	Retail Store Car Park	
Notes	Pollution Hazard Index	Total Suspended Solids TSS	Metals	Hydrocarbon
Site Category	High	0.8	0.8	0.9
Treatment				
Oil Interceptor	1st	0.8	0.6	0.9
Vortex Separators	2nd	0.5	0.4	0.5
Score		1.05	0.8	1.15
Ranking		Pass	Pass	Pass

		Catchment 11	Retail Store Car Park	
Notes	Pollution Hazard Index	Total Suspended Solids TSS	Metals	Hydrocarbon
Site Category	High	0.8	0.8	0.9
Treatment				
Oil Interceptor	1st	0.8	0.6	0.9
Vortex Separators	2nd	0.5	0.4	0.5
Score		1.05	0.8	1.15
Ranking		Pass	Pass	Pass

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		Catchment 12	Retail Store Roof	
Notes	Pollution Hazard Index	Total Suspended Solids TSS	Metals	Hydrocarbon
Site Category	Low	0.6	0.8	0.05
Treatment				
Oil Interceptor	1st	0.8	0.6	0.9
Vortex Seperators	2nd	0.5	0.4	0.5
Score		1.05	0.8	1.15
Ranking		Pass	Pass	Pass