

# Simple Index Approach

Ref: 14325

Date: 10/01/2020

Subject: Kingspark – Simple Index Approach

## Introduction

This Statement addresses Item 16 of [REDACTED] (Dundee City Council) email of 14 November 2019. In accordance with Section 26.7 and Appendix C of CIRIA C753, the pollution hazard posed by the proposed housing development has been determined and addressed the Simple Index Approach.

## Residential Roofs

In accordance with CIRIA C753 Table 26.2, the pollution hazard indices for the individual roofs are:

Land Use	Pollution Hazard Level	Total Suspended Solids (TSS)	Metals	Hydro-carbons
Residential Roofs	Very Low	0.2	0.2	0.05

In accordance with CIRIA C753 Table 26.3, the pollution mitigation indices are:

Element	Type of SUDS Component	Total Suspended Solids (TSS)	Metals	Hydro-carbons
Residential Roofs	Detention Basin	0.5	0.5	0.6
Comparison		0.5>0.2	0.5>0.2	0.6>0.05
Summary of Mitigation Provided		Exceeds	Exceeds	Exceeds

Proposed mitigation for the residential roofs is therefore considered to be sufficient.

## Residential Roads

In accordance with CIRIA C753 Table 26.2, the pollution hazard indices for the residential roads are:

Land Use	Pollution Hazard Level	Total Suspended Solids (TSS)	Metals	Hydro-carbons
Residential Roads	Low	0.5	0.4	0.4

In accordance with CIRIA C753 Table 26.3, the pollution mitigation indices are:

Element	Type of SUDS Component	Total Suspended Solids (TSS)	Metals	Hydro-carbons
Residential Roads	Detention Basin	0.5	0.5	0.6
Comparison		0.5=0.5	0.5>0.4	0.6>0.4
Summary of Mitigation Provided		Meets	Exceeds	Exceeds

Proposed mitigation for the residential roads is therefore considered to be sufficient.