



**APPENDIX D**  
**GREENFIELD RUNOFF ASSESSMENT**

Calculated by: Alistair McShane  
 Site name: Oakcroft Lane  
 Site location: Stubbington

Site coordinates  
 Latitude: 50.83523° N  
 Longitude: 1.21461° W

This is an estimation of the greenfield runoff rate limits that are needed to meet normal best practice criteria in line with Environment Agency guidance "Preliminary rainfall runoff management for developments", W5-074/A/TR1/1 rev. E (2012) and the SuDS Manual, C753 (Ciria, 2015). This information on greenfield runoff rates may be the basis for setting consents for the drainage of surface water runoff from sites.

Reference: 6503410  
 Date: 2018-12-05T17:39:31

Methodology	IH124
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### Site characteristics

Total site area (ha)	7.75
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### Methodology

Qbar estimation method	Calculate from SPR and SAAR
SPR estimation method	Calculate from SOIL type

	Default	Edited
SOIL type	3	3
HOST class	---	---
SPR/SPRHOST	0.37	0.37

### Hydrological characteristics

	Default	Edited
SAAR (mm)	743	743
Hydrological region	7	7
Growth curve factor: 1 year	0.85	0.85
Growth curve factor: 30 year	2.3	2.3
Growth curve factor: 100 year	3.19	3.19

### Notes:

(1) Is $Q_{BAR} < 2.0$ l/s/ha?
(2) Are flow rates $< 5.0$ l/s?
(3) Is $SPR/SPRHOST \leq 0.3$ ?

### Greenfield runoff rates

	Default	Edited
Qbar (l/s)	23.87	23.87
1 in 1 year (l/s)	20.29	20.29
1 in 30 years (l/s)	54.91	54.91
1 in 100 years (l/s)	76.15	76.15