HR Wallingford
Working with water

Gree
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Calculated by:	NICHOLAS PATSALOS
Site name:	Holbeach Meadows
Site location:	Holbeach

Site Details

Latitude:	
Longitude:	
Reference:	
Date:	

This is an estimation of the greenfield runoff rates that are used to meet normal best practice criteria in line with Environment Agency guidance “Rainfall runoff management for developments”, SC030219 (2013) , the SuDS Manual C753 (Ciria, 2015) and the non-statutory standards for SuDS (Defra, 2015). This information on greenfield runoff rates may be the basis for setting consents for the drainage of surface water runoff from sites.

Runoff estimation approach IH124

Site characteristics

Total site area (ha):	18.58

Methodology

Q_{BAR} estimation method:	Calculate from SPR and SAAR
SPR estimation method:	Calculate from SOIL type

Soil characteristics

	Default	Edited
SOIL type:	2	2
HOST class:	N/A	N/A
SPR/SPRHOST:	0.3	0.3

Hydrological characteristics

	Default	Edited
SAAR (mm):	573	573
Hydrological region:	5	5
Growth curve factor 1 year:	0.87	0.87
Growth curve factor 30 years:	2.45	2.45
Growth curve factor 100 years:	3.56	3.56
Growth curve factor 200 years:	4.21	4.21

Notes

(1) Is Q_{BAR} < 2.0 l/s/ha?

When Q_{BAR} is < 2.0 l/s/ha are set at 2.0 l/s/ha.

(2) Are flow rates < 5.0 l/

Where flow rates are les discharge is usually set a vegetation and other ma consent flow rates may risk is addressed by usin elements.

(3) Is SPR/SPRHOST ≤ 0.3

Where groundwater leve soakaways to avoid disc be preferred for disposa

Greenfield runoff rates	Default	Edited
Q_{BAR} (l/s):	26.79	26.79
1 in 1 year (l/s):	23.31	23.31
1 in 30 years (l/s):	65.64	65.64
1 in 100 year (l/s):	95.37	95.37
1 in 200 years (l/s):	112.79	112.79

This report was produced using the greenfield runoff tool developed by HR Wallingford and available at www.uksuds.com. The use of this tool is subject to the UK SuDS terms and conditions and licence agreement , which can both be found at www.uksuds.com/terms-and-conditions.htm. The outputs from this tool are estimates of greenfield runoff rates. The use of these results is the responsibility of the users of this tool. No liability will be accepted by HR Wallingford, the Environment Agency, CEH, Hydrosolutions or any other organisation for the use of this data in the design or operational characteristics of any drainage scheme.