

MUSIC-link Report

Project Details		Company Details	
Project:	Jordan	Company:	Siteplus Pty Ltd
Report Export Date:	26/03/2019	Contact:	Andrew Craddock
Catchment Name:	11023 - Jordan Springs Catholic Healthcare RACF (Prelim - Jellyfish)	Address:	PO Box 5104 Wollongong NSW 2520
Catchment Area:	0.499ha	Phone:	0403 813 984
Impervious Area*:	81.01%	Email:	andrew@siteplus.com.au
Rainfall Station:	67113 PENRITH		
Modelling Time-step:	6 Minutes		
Modelling Period:	1/01/1999 - 31/12/2008 11:54:00 PM		
Mean Annual Rainfall:	691mm		
Evapotranspiration:	1158mm		
MUSIC Version:	6.3.0		
MUSIC-link data Version:	6.31		
Study Area:	Penrith		
Scenario:	Penrith Development		

* takes into account area from all source nodes that link to the chosen reporting node, excluding Import Data Nodes

Treatment Train Effectiveness		Treatment Nodes		Source Nodes	
Node: Receiving Node	Reduction	Node Type	Number	Node Type	Number
Flow	0%	GPT Node	1	Urban Source Node	3
TSS	94.7%	Generic Node	1		
TP	60.3%				
TN	49.2%				
GP	96.9%				

Comments

- Roof node base flow values are as per the MUSIC modelling guidelines which indicate base flow has no effect for impervious areas and therefore no value is needed.

Passing Parameters

Node Type	Node Name	Parameter	Min	Max	Actual
GPT	20 x EnviroPod 200 (SFEP USE 2011B)	Hi-flow bypass rate (cum/sec)	None	99	0.4
Receiving	Receiving Node	% Load Reduction	None	None	0
Receiving	Receiving Node	GP % Load Reduction	90	None	96.9
Receiving	Receiving Node	TN % Load Reduction	45	None	49.2
Receiving	Receiving Node	TP % Load Reduction	60	None	60.3
Receiving	Receiving Node	TSS % Load Reduction	85	None	94.7
Urban	Ground - 1654m ² (43% Imp.)	Area Impervious (ha)	None	None	0.070
Urban	Ground - 1654m ² (43% Imp.)	Area Pervious (ha)	None	None	0.094
Urban	Ground - 1654m ² (43% Imp.)	Total Area (ha)	None	None	0.165
Urban	Road - 624m ² (100% Imp.)	Area Impervious (ha)	None	None	0.062
Urban	Road - 624m ² (100% Imp.)	Area Pervious (ha)	None	None	0
Urban	Road - 624m ² (100% Imp.)	Total Area (ha)	None	None	0.062
Urban	Roof - 2722m ² (100% Imp.)	Area Impervious (ha)	None	None	0.272
Urban	Roof - 2722m ² (100% Imp.)	Area Pervious (ha)	None	None	0
Urban	Roof - 2722m ² (100% Imp.)	Total Area (ha)	None	None	0.272

Only certain parameters are reported when they pass validation

NOTE: A successful self-validation check of your model does not constitute an approved model by Penrith City Council
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Failing Parameters

Node Type	Node Name	Parameter	Min	Max	Actual
Urban	Roof - 2722m (100% Imp.)	Baseflow Total Nitrogen Mean (log mg/L)	0.11	0.11	0
Urban	Roof - 2722m (100% Imp.)	Baseflow Total Nitrogen Standard Deviation (log mg/L)	0.12	0.12	0
Urban	Roof - 2722m (100% Imp.)	Baseflow Total Phosphorus Mean (log mg/L)	-0.85	-0.85	0
Urban	Roof - 2722m (100% Imp.)	Baseflow Total Phosphorus Standard Deviation (log mg/L)	0.19	0.19	0
Urban	Roof - 2722m (100% Imp.)	Baseflow Total Suspended Solids Mean (log mg/L)	1.2	1.2	0
Urban	Roof - 2722m (100% Imp.)	Baseflow Total Suspended Solids Standard Deviation (log mg/L)	0.17	0.17	0

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