

MUSIC-*link* Report

Project Details		Company Details	
Project:	Proposed Residential Development	Company:	Australian Consulting Engineers Pty Ltd
Report Export Date:	28/11/2017	Contact:	Osman Chowdhury
Catchment Name:	171552 REVC	Address:	143 Parramatta Rd Concord
Catchment Area:	0.172ha	Phone:	97631500
Impervious Area*:	81.39%	Email:	eliash@aceeng.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:	6.2.1		
MUSIC-link data Version:	6.22		
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: Junction	Reduction	Node Type	Number	Node Type	Number
Flow	7.6%	Rain Water Tank Node	1	Urban Source Node	5
TSS	87.3%	Detention Basin Node	1		
TP	79.1%	Generic Node	1		
TN	56%	GPT Node	1		
GP	100%				

Comments

Passing Parameters					
Node Type	Node Name	Parameter	Min	Max	Actual
Detention	SF.C	Hi-flow bypass rate (cum/sec)	None	99	99
GPT	1 x EnviroPod 200 (SFEP USE 2011B)	Hi-flow bypass rate (cum/sec)	None	99	0.02
Rain	5kL RWT	% Reuse Demand Met	80	None	82.75
Receiving	Receiving Node	% Load Reduction	None	None	7.17
Receiving	Receiving Node	GP % Load Reduction	90	None	100
Receiving	Receiving Node	TN % Load Reduction	45	None	54
Receiving	Receiving Node	TP % Load Reduction	60	None	75.1
Receiving	Receiving Node	TSS % Load Reduction	85	None	86.2
Urban	AREABYPASSING SF.C (109m ²) 75% IMPERV	Area Impervious (ha)	None	None	0.008
Urban	AREABYPASSING SF.C (109m ²) 75% IMPERV	Area Pervious (ha)	None	None	0.002
Urban	AREABYPASSING SF.C (109m ²) 75% IMPERV	Total Area (ha)	None	None	0.011
Urban	DRIVEWAY AREA TO SF.C (111m ²) 100% IMP	Area Impervious (ha)	None	None	0.011
Urban	DRIVEWAY AREA TO SF.C (111m ²) 100% IMP	Area Pervious (ha)	None	None	0
Urban	DRIVEWAY AREA TO SF.C (111m ²) 100% IMP	Total Area (ha)	None	None	0.011
Urban	IMP AREA TO SF.C (288m ²) 100% IMP	Area Impervious (ha)	None	None	0.029
Urban	IMP AREA TO SF.C (288m ²) 100% IMP	Area Pervious (ha)	None	None	0
Urban	IMP AREA TO SF.C (288m ²) 100% IMP	Total Area (ha)	None	None	0.029
Urban	LANDSCAPE TO SF.C (317m ²) 100% PERV	Area Impervious (ha)	None	None	0
Urban	LANDSCAPE TO SF.C (317m ²) 100% PERV	Area Pervious (ha)	None	None	0.032
Urban	LANDSCAPE TO SF.C (317m ²) 100% PERV	Total Area (ha)	None	None	0.032
Urban	ROOF TO SF.C (1003m ²) 100% IMP	Area Impervious (ha)	None	None	0.1
Urban	ROOF TO SF.C (1003m ²) 100% IMP	Area Pervious (ha)	None	None	0
Urban	ROOF TO SF.C (1003m ²) 100% IMP	Total Area (ha)	None	None	0.1

Only certain parameters are reported when they pass validation

