

MUSIC-*link* Report

Project Details		Company Details	
<b>Project:</b>	36-38 Rodney Ave, Penrith	<b>Company:</b>	SGCE
<b>Report Export Date:</b>	30/07/2019	<b>Contact:</b>	Frank Zhou
<b>Catchment Name:</b>	20180061-MUSIC-20190730	<b>Address:</b>	Suite 5.03, 156 Pacific Hwy, St Leonards
<b>Catchment Area:</b>	0.111ha	<b>Phone:</b>	0288834239
<b>Impervious Area*:</b>	74.19%	<b>Email:</b>	frank@sgce.com.au
<b>Rainfall Station:</b>	67113 PENRITH		
<b>Modelling Time-step:</b>	6 Mminutes		
<b>Modelling Period:</b>	1/01/1999 - 31/12/2008 11:54:00 PM		
<b>Mean Annual Rainfall:</b>	691mm		
<b>Evapotranspiration:</b>	1158mm		
<b>MUSIC Version:</b>	6.3.0		
<b>MUSIC-link data Version:</b>	6.31		
<b>Study Area:</b>	Penrith		
<b>Scenario:</b>	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: PENRITH	Reduction	Node Type	Number	Node Type	Number
<b>Flow</b>	4.52%	Bio Retention Node	1	Urban Source Node	6
<b>TSS</b>	90.5%	GPT Node	1		
<b>TP</b>	66%				
<b>TN</b>	53.5%				
<b>GP</b>	96.9%				

Comments

NOTE: A successful self-validation check of your model does not constitute an approved model by Penrith City Council  
MUSIC-*link* now in MUSIC by eWater – leading software for modelling stormwater solutions

**Passing Parameters**

Node Type	Node Name	Parameter	Min	Max	Actual
Bio	Bioretention	Hi-flow bypass rate (cum/sec)	None	99	99
Bio	Bioretention	PET Scaling Factor	2.1	2.1	2.1
GPT	1 x EnviroPod 200 (SFEP USE 2011B)	Hi-flow bypass rate (cum/sec)	None	99	0.02
Urban	BYPASSING (8% imperv. 182m2)	Area Impervious (ha)	None	None	0.001
Urban	BYPASSING (8% imperv. 182m2)	Area Pervious (ha)	None	None	0.016
Urban	BYPASSING (8% imperv. 182m2)	Total Area (ha)	None	None	0.018
Urban	Driveway (100% imperv. 160m2)	Area Impervious (ha)	None	None	0.016
Urban	Driveway (100% imperv. 160m2)	Area Pervious (ha)	None	None	0
Urban	Driveway (100% imperv. 160m2)	Total Area (ha)	None	None	0.016
Urban	Landscape (100% perv. 29m2)	Area Impervious (ha)	None	None	0
Urban	Landscape (100% perv. 29m2)	Area Pervious (ha)	None	None	0.003
Urban	Landscape (100% perv. 29m2)	Total Area (ha)	None	None	0.003
Urban	Landscape (100% perv. 87m2)	Area Impervious (ha)	None	None	0
Urban	Landscape (100% perv. 87m2)	Area Pervious (ha)	None	None	0.009
Urban	Landscape (100% perv. 87m2)	Total Area (ha)	None	None	0.009
Urban	Paved (100% imperv. 364m2)	Area Impervious (ha)	None	None	0.036
Urban	Paved (100% imperv. 364m2)	Area Pervious (ha)	None	None	0
Urban	Paved (100% imperv. 364m2)	Total Area (ha)	None	None	0.036
Urban	Roof (100% imperv. 292m2)	Area Impervious (ha)	None	None	0.029
Urban	Roof (100% imperv. 292m2)	Area Pervious (ha)	None	None	0
Urban	Roof (100% imperv. 292m2)	Total Area (ha)	None	None	0.029

Only certain parameters are reported when they pass validation

