

**MUSIC-link Report**

<b>Project Details</b>		<b>Company Details</b>	
<b>Project:</b>		<b>Company:</b>	
<b>Report Export Date:</b>	02/09/2021	<b>Contact:</b>	
<b>Catchment Name:</b>	RE 1 link	<b>Address:</b>	
<b>Catchment Area:</b>	0.818ha	<b>Phone:</b>	
<b>Impervious Area*:</b>	91.76%	<b>Email:</b>	
<b>Rainfall Station:</b>	67113 PENRITH		
<b>Modelling Time-step:</b>	6 Minutes		
<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>	6.34		
<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

<b>Treatment Train Effectiveness</b>		<b>Treatment Nodes</b>		<b>Source Nodes</b>	
<b>Node: Receiving Node</b>	<b>Reduction</b>	<b>Node Type</b>	<b>Number</b>	<b>Node Type</b>	<b>Number</b>
Flow	-0.0451%	Sedimentation Basin Node	1	User Defined Source Node	4
TSS	90.2%	GPT Node	2		
TP	67.9%	Generic Node	1		
TN	47.3%				
GP	100%				

<b>Comments</b>
RE1

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
GPT	1x OceanGuard	Hi-flow bypass rate (cum/sec)	None	99	0.02
GPT	6x OceanGuard	Hi-flow bypass rate (cum/sec)	None	99	0.12
Receiving	Receiving Node	% Load Reduction	None	None	-0.04
Receiving	Receiving Node	GP % Load Reduction	90	None	100
Receiving	Receiving Node	TN % Load Reduction	45	None	47.3
Receiving	Receiving Node	TP % Load Reduction	60	None	67.9
Receiving	Receiving Node	TSS % Load Reduction	85	None	90.2
Sedimentation	SF Chamber AREA20 S.Q.M	High Flow Bypass Out (ML/yr)	None	None	0

Only certain parameters are reported when they pass validation

**Failing Parameters**

<b>Node Type</b>	<b>Node Name</b>	<b>Parameter</b>	<b>Min</b>	<b>Max</b>	<b>Actual</b>
Sedimentation	SF Chamber AREA20 S.Q.M	Notional Detention Time (hrs)	8	12	1.16
Sedimentation	SF Chamber AREA20 S.Q.M	Total Nitrogen - k (m/yr)	500	500	1
Sedimentation	SF Chamber AREA20 S.Q.M	Total Phosphorus - k (m/yr)	6000	6000	1
Sedimentation	SF Chamber AREA20 S.Q.M	Total Suspended Solids - k (m/yr)	8000	8000	1

Only certain parameters are reported when they pass validation