



**Stormwater Quality Improvement Device Evaluation Protocol (SQIDEP) –
VERIFICATION CERTIFICATE**

Applicant Information

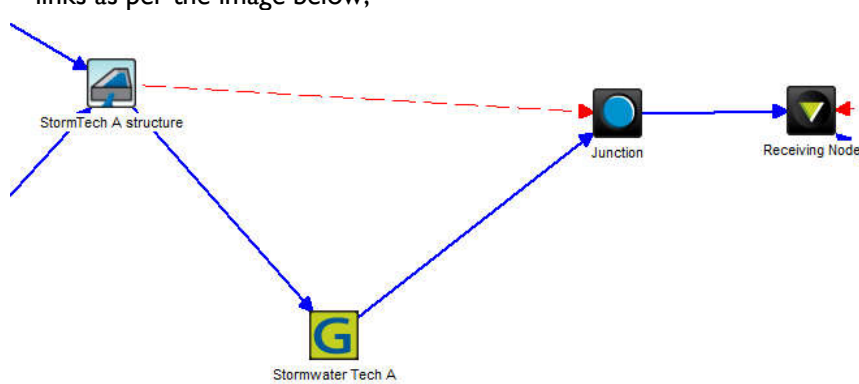
Applicant Name	Example Pty Ltd
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Verified Technology	Stormwater Technology A
Issue Date	1 July 2026
Reviewed Documents	<ul style="list-style-type: none"> • Quality Assurance Project Plan, Stormwater Technology A, Consultant A, 2025 • Quality Assurance Project Plan Approval, Stormwater Technology A, Stormwater Australia, 2025 • Detailed Performance Report, Stormwater Technology A, Consultant A, 2028 • Laboratory Report, Stormwater Technology A – University X, 2021 • Statutory Declaration, Consultant A, 2025 • Calibrated MUSIC model file, Consultant A, 2025

Technology Information

Applicant's Verified Performance Claims	<p>Total Suspended Solids (TSS) 70 % Total Phosphorus (TP) 30 % Total Nitrogen (TN) 30 % Total Petroleum Hydrocarbons Nil % Gross Pollutants Nil % Others, please detail:</p> <hr style="border: 0; border-top: 1px solid black; margin-top: 10px;"/>
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Maintenance performed during monitoring	<ul style="list-style-type: none"> Stormwater Technology A was maintained once per annum over the 3 year monitoring period; This maintenance included complete replacement of the technology cartridge; No other maintenance was performed during the monitored period; This was verified with a Statutory Declaration from the maintenance company.
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Verified method to model in MUSIC	<ul style="list-style-type: none"> The monitoring program included information on the performance of the technology as well as the structure it was housed within, to account for scour and settling; The submitted MUSIC model and DPR provides design guidelines for maximum and minimum structures, and calibrated k values for the structure; The submitted, calibrated MUSIC model provides a method of modelling the technology with 3 nodes and primary and secondary links as per the image below; <div style="text-align: center; margin: 10px 0;">  <p>The diagram illustrates a hydraulic model with three nodes and four links. On the left, a node labeled 'StormTech A structure' (represented by a computer monitor icon) has two blue arrows pointing towards it from the left. A blue arrow points from 'StormTech A structure' down to a node labeled 'Stormwater Tech A' (represented by a green square with a white 'G'). Another blue arrow points from 'Stormwater Tech A' up to a node labeled 'Junction' (represented by a blue circle with a white center). A red dashed arrow points from 'StormTech A structure' to 'Junction'. Finally, a blue arrow points from 'Junction' to a node labeled 'Receiving Node' (represented by a black square with a white triangle). A blue arrow also points away from 'Receiving Node' to the right.</p> </div> <ul style="list-style-type: none"> The input criteria for each node are; <ul style="list-style-type: none"> Structure node <ul style="list-style-type: none"> high flow bypass = $X \text{ m}^3/\text{s}$ Area = $Y \text{ m}^2$ Depth = $Z \text{ m}$
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	<ul style="list-style-type: none"> ▪ Orifice diameter = W mm ▪ Weir length = V m ▪ Footprint to be scaled according to 100 m³ per 10 units of Stormwater Technology A ○ Generic node <ul style="list-style-type: none"> ▪ high flow bypass = X m³/s ▪ TSS reduction = 70 % ▪ TP reduction = 30 % ▪ TN reduction = 30 %
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Conditions	<p>The verification of these Claims is conditional upon;</p> <ul style="list-style-type: none"> • the application of Stormwater Technology A in Residential and Commercial catchments; • The number of Stormwater Technology A implemented reflects 3,000 units per hectare of catchment area; • The footprint of the housing structure must be between 100 m³ ± 10% per 10 units of Stormwater Technology A; • Maintenance must be scheduled and completed annually as per that described in the DPR; • The 3 month design flowrate per unit of Stormwater Technology A is 250 L/s; • An external bypass for flows greater than the design TFR is implemented, and modelled appropriately in MUSIC; • MUSIC models being prepared in accordance with the detail above.
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