

**Stormwater Quality Improvement Device Evaluation Protocol (SQIDEP)**

**VERIFICATION CERTIFICATE**

**Applicant Information**

<b>Applicant Name</b>	ATLAN Stormwater
<b>Applicant Address</b>	<a href="#">130 Sandstone Place</a> <a href="#">Parkinson QLD 4115</a>
<b>Phone Number</b>	07 3271 6960
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<b>Verified Technology</b>	<b>ATLAN Bafflebox</b>
<b>Issue Date</b>	<b>3 December 2024</b>
<b>Reviewed Documents</b>	<ul style="list-style-type: none"> <li>• ATLAN Detailed Performance Report application submission (Prepared by Drapper Environmental Consultants) – November 2024</li> <li>• Statutory Declaration by Drapper Environmental Consultants</li> <li>• Hydrographs of compliant and partially compliant events at the Tarneit, Victoria site showing inflows, rainfall and samples collected (25 items)</li> <li>• Sample collection and site records</li> <li>• Laboratory Chain of Custody forms, Quality Control reports, QC Compliance Reviews &amp; Certificates of Analysis.</li> </ul>

**Technology Information**

<b>Applicant's Verified Performance Claims</b>	<p>Treatable flow rate = 253 L/s (for SBB-6-12-84 model)</p> <p>Total Suspended Solids (TSS)      73 %</p> <p>Total Phosphorus (TP)                59 %</p> <p>Total Nitrogen (TN)                    39 %</p> <p>Gross Pollutants                        99 %</p> <p>Other – Microplastics                  66%</p>

<b>Maintenance performed during monitoring</b>	None over 18 months
<b>Verified method to model in MUSIC</b>	Modelling an ATLAN Bafflebox in MUSIC is as follows: <ol style="list-style-type: none"> <li>1. Use a generic node with:             <ul style="list-style-type: none"> <li>• a high flow bypass of 253 L/s per device (for SBB-6-12-84 model)</li> <li>• pollutant reductions of 73% for TSS</li> <li>• pollutant reductions of 59% for TP</li> <li>• pollutant reductions of 39% for TN</li> <li>• pollutant reductions of 99% for GP.</li> </ul> </li> </ol>
<b>Conditions</b>	The limitations of the acceptance of these claims include: <ul style="list-style-type: none"> <li>• Regular inspection &amp; maintenance should be performed in accordance with the Manufacturer’s Maintenance Plans.</li> </ul>
<b>Independent Reviewers</b>	Dr Robin Allison Mr Andrew Judge
<b>Accepted by Governance Panel</b>	16 December 2024
<b>Accepted by Stormwater Australia Board</b>	28 January 2025