TREATMENT PLANT APPROVAL 05/2020

Plumbing and Drainage Act 2018

Approval

1. The Eco Pro AWTS (10EP/1500L) ("the system") described in the Specifications and Drawings in the attached Schedule and manufactured by Eco Septic Pty Ltd (ABN 086 310 474) ("the manufacturer") has been assessed in accordance with the Queensland Plumbing and Wastewater Code (QPW Code) dated 26 March 2019.

2. Approval is granted for the advanced secondary quality wastewater treatment system, subject to compliance by the manufacturer with the requirements of the Plumbing and Drainage Regulation 2018, and the conditions of approval detailed below.

3. This approval, the conditions of approval and the Schedule comprise the entire Treatment Plant Approval document.

4. Any modification by the manufacturer to the design, drawings or specifications scheduled to this approval must be approved by the Chief Executive.

Conditions of approval

5. The manufacture, installation, operation, service and maintenance of the system must be in conformity with the conditions of this Treatment Plant Approval.

6. The system when tested by a certification accreditation body in accordance with AS1546.3:2017 was found to comply with the advanced secondary 10EP/1500L level without nutrient reduction effluent criteria and must continue to meet the following requirements:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Secondary effluent</th>
<th>Advanced secondary effluent</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>90% of samples</td>
<td>Maximum</td>
</tr>
<tr>
<td>BOD₅</td>
<td>≤20 mg/L</td>
<td>30 mg/L</td>
</tr>
<tr>
<td>TSS</td>
<td>≤30 mg/L</td>
<td>45 mg/L</td>
</tr>
<tr>
<td>E. coli*</td>
<td>≤10 cfu/100 mL</td>
<td>30 cfu/100 mL</td>
</tr>
<tr>
<td>FAC</td>
<td>Minimum 0.5 mg/L†</td>
<td>N/A</td>
</tr>
<tr>
<td>Turbidity</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

* Where disinfection is required.
† Minimum level, not 90% of samples.

7. Each system must be serviced in accordance with the accreditation certificate and details supplied in the owner’s operation and maintenance manual.
8. Each system must be supplied with —
   (a) a copy of this Treatment Plant Approval document;
   (b) details of the system;
   (c) instructions for authorised persons for its installation;
   (d) a copy of the owner’s manual to be given to the owner at the time of installation;
   and
   (e) detailed instructions for authorised service personal for its operation and maintenance.

9. At each anniversary of the Treatment Plant Approval date, the supplier must submit to
the Chief Executive a list of all systems installed in Queensland during the previous 12
months. Where the Chief Executive is notified of any system failures the Chief
Executive may randomly select a number of installed systems for audit. The Chief
Executive will notify the supplier’s nominated NATA accredited laboratory which
systems are to be audited for BOD⁵ and TSS. The sampling and testing of the selected
systems, if required, is to be done at the supplier’s expense. The following results must
be reported to the Chief Executive;

   a) Address of premises;
   b) Date inspected and sampled;
   c) Sample identification number;
   d) BOD⁵ for influent and effluent; and
   e) TSS for influent and effluent.

10. The Chief Executive may, by written notice, cancel this approval if the
manufacturer/supplier fails —
   a) to comply with one or more of the conditions of approval; or
   b) within 30 days, to remedy a breach, for which a written notice been given by the
Chief Executive.

11. This approval may only be assigned with the prior written consent of the Chief
Executive.

12. This approval expires on 17 September 2025 unless cancelled earlier in accordance
with paragraph 10 above.

Lindsay Walker

Director
Plumbing, Drainage and Special Projects
Building Legislation and Policy
Date approved: 18 September 2020
SCHEDULE

Attachment 1

Drawings and Specifications for the

Eco Pro AWTS (10EP/1500L)
Global Certification Pty Ltd

Number 517

Product Performance Testing

AS 1546.3:2017
Advanced Secondary 10EP Level
without Nutrient Reduction

Issued to
ECO – Septic Pty Ltd T/as Econocycle
65 – 67 Warradale Road, Warragamba, NSW 2752

Certification Date: - 3/11/2019    Expiry Date: - 3/11/2024

Product Certified:

<table>
<thead>
<tr>
<th>Model</th>
<th>Disinfection</th>
<th>Average Results over the Test Period</th>
<th>Servicing Frequency</th>
<th>Discharge</th>
<th>Manufactured and assembled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecosepctic model</td>
<td>Yes</td>
<td>TSS 7.14mg/l, BOD&lt;sub&gt;5&lt;/sub&gt; &lt;2mg/l, Turbidity 16.39NTU, E coli &lt;1CFU/100ml</td>
<td>3 Monthly Service</td>
<td>Pumped via disinfection/pump chamber with chlorine dispenser</td>
<td>Manufactured and Assembled, 65 Warradale Road, Warragamba NSW 2752</td>
</tr>
<tr>
<td>Eco Pro AWTS</td>
<td></td>
<td></td>
<td>3.2 yearly service</td>
<td>sedimentation pump out or as required</td>
<td></td>
</tr>
</tbody>
</table>

The system took 5 weeks to meet the advanced secondary standard.

NACE CODES: 3700

This Certificate of Conformance to the Product Certificate Scheme for “Domestic Wastewater Treatment Units (Septic Tanks) and Rainwater Tanks” remains the property of Global Certification Pty. Ltd. and is granted subject to the terms and conditions of the Contract Application, in respect of the Product certified on this page and the attached schedule to the Certification of Conformance, bearing the same number as this certificate.

Date of Issue: 3<sup>rd</sup> November 2019  
Bruce Smith Director

Signed for and on behalf of Global Certification Pty Ltd
PO Box 195, Morayfield QLD 4506

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**Treatment Plant Approval**
Approved by: Lindsay Walker
Delegated Authority
Department of Housing & Public Works
Global Certification Pty Ltd
Number 630
Product Performance Testing
AS 1546.3:2017
Advanced Secondary 1500 L/day 10EP Level
without Nutrient Reduction

Issued to
ECO – Septic Pty Ltd T/as Econocycle
65 – 67 Warradale Road, Warragamba, NSW 2752

Certification Date: - 3/11/2019  Expiry Date: - 3/11/2024

Product Certified:

<table>
<thead>
<tr>
<th>Model</th>
<th>Disinfection</th>
<th>Average Results over the Test Period</th>
<th>Servicing Frequency</th>
<th>Discharge</th>
<th>Manufactured and assembled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecoesptic model Eco Pro Poly 1500</td>
<td>Yes</td>
<td>TSS: 7.14mg/l, BOD: &lt;2mg/l, Turbidity: 16.39NTU, E coli: &lt;1CFU/100ml</td>
<td>3 Monthly Service, 3.2 yearly sedimentation pump out or as required</td>
<td>Pumped via disinfection/pump chamber with chlorine dispenser</td>
<td>Manufactured and Assembled: 65 Warradale Road, Warragamba NSW 2752</td>
</tr>
</tbody>
</table>

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Date of Issue: 29th August 2020

Signed for and on behalf of Global Certification Pty Ltd
PO Box 953 Belconnen ACT 2616

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Treatment Plant Approval
Approved by: Lindsay Walker
Delegated Authority
Department of Housing & Public Works
Qld SEB R4 July 2015
<table>
<thead>
<tr>
<th>TITLE</th>
<th>VOLUME</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREEBOARD VOLUME</td>
<td>1976 L</td>
</tr>
<tr>
<td>TREATMENT CHAMBER 1 VOLUME</td>
<td>2000 L</td>
</tr>
<tr>
<td>TREATMENT CHAMBER 2 VOLUME</td>
<td>1000 L</td>
</tr>
<tr>
<td>TREATMENT CHAMBER 3 VOLUME</td>
<td>2231 L</td>
</tr>
<tr>
<td>TREATMENT CHAMBER 4 VOLUME</td>
<td>465 L</td>
</tr>
<tr>
<td>TREATMENT CHAMBER 5 VOLUME</td>
<td>370 L</td>
</tr>
</tbody>
</table>

**Treatment Plant Approval**
Approved by: Lindsay Walker  
Delegated Authority  
Department of Housing & Public Works