Approval

1. The Aqua-Nova model 10100Z ("the system") described in the Specifications and Drawings in the attached Schedule and manufactured by Everhard Industries Pty Ltd (ABN 41 009 690 859) ("the manufacturer") has been assessed in accordance with the Queensland Plumbing and Wastewater Code (QPW Code) dated 26 October 2017.

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 systems must be in conformity with the conditions of this Treatment Plant Approval.

6. The advanced secondary quality wastewater treatment system, which is an example of the approved systems, may only be used on premises that generate per day:

   (a) a maximum hydraulic loading of 2,000 litres; and
   (b) a maximum organic loading of 700 grams BOD\(^5\)

7. The system must continue to meet the requirements of advanced secondary quality wastewater treatment system, producing the following effluent quality:

   (a) 90% of the samples taken must have a BOD\(^5\) less than or equal to 10 g/m\(^3\) with no sample greater than 20 g/m\(^3\).

   (b) 90% of the samples taken must have total suspended solids less than or equal to 10 g/m\(^3\) with no sample greater than 20 g/m\(^3\).

   (c) 90% of the samples taken must have a thermotolerant coliform count not exceeding 10 organisms per 100 mL with no sample exceeding 200 organisms per 100 mL.

   (d) Total chlorine concentration must be between 0.5 g/m\(^3\) and 2.0 g/m\(^3\) in four out of five samples taken.

8. Each system must be serviced in accordance with the details supplied in the owner’s operation and maintenance manual.

9. This approval does not extend, apply to, or include the land application system used in conjunction with an approved system installed on premises.
10. 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.

11. 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.

12. 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.

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

14. This approval expires on 01 January 2024 unless cancelled earlier in accordance with paragraph 12 above.
TREATMENT PLANT APPROVAL No. 08/2020
Plumbing and Drainage Act 2018

SCHEDULE

Attachment 1

Drawings and Specifications for the

Aqua-Nova model 10100Z
<table>
<thead>
<tr>
<th>ITEM</th>
<th>QUANTITY</th>
<th>DESCRIPTION</th>
<th>SIZE</th>
<th>GRADE</th>
<th>MASS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>05371</td>
<td>DAIRY SAND FILTER SFT180 - COMPLETE KIT SFT180</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>42012</td>
<td>PLAIN PAVING SLAB</td>
<td>650kg x 38</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>02.25</td>
<td>375mm RESTRUCT FLANGE 1 END</td>
<td>1.2m</td>
<td>U/GROUND</td>
<td>9.6</td>
</tr>
<tr>
<td>4</td>
<td>00662</td>
<td>PVC SLIP-SLIP COUPLING</td>
<td>25mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>02.70</td>
<td>PVC SLIP-SLIP COUPLING</td>
<td>40mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>02/42</td>
<td>25mm PVC PIPE</td>
<td>1.5m</td>
<td>CLASS 12</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>02/43</td>
<td>40mm PVC PIPE</td>
<td>1.2m</td>
<td>CLASS 12</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>02/25</td>
<td>PVC REDUCING BUSH</td>
<td>40 x 29</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>02/25</td>
<td>FEMALE ADAPTE 25 SLIP/1&quot; BSP</td>
<td></td>
<td>CAT 18</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>02/19</td>
<td>PVC ELBOW SLIP-SLIP</td>
<td>25mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>02/25</td>
<td>PVC ELBOW SLIP-SLIP</td>
<td>40mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>02/25</td>
<td>PVC 45° SLIP - SLIP SEND</td>
<td>40mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>02/25</td>
<td>PVC TAKE-OFF ADAPTE PIPE x BSP PM</td>
<td>40 x 1&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**MANUFACTURING OPERATIONS**

**TOLERANCE**

Except where otherwise stated, Over Up to Tolerance

**ANGULAR TOLERANCE (U.L.O.)**

**MANUFACTURER**

EVERHARD INDUSTRIES PTY LTD

**MATERIAL**

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>DIMENSION IN mm (U.L.O.)</th>
<th></th>
</tr>
</thead>
</table>

**DRAWING CHANGES**

REV. | O.D.F. CHANGE NOTE | DATE | REVISION DESCRIPTION / REASON
--- | ------------------- | ----- | -------------------------------
1    |                    |      | ORIGINAL                       |
2    |                    | 31/8/2001 | ITEM ADDED & NUMBERS AMENDED |

---

**Treatment Plant Approval**

Approved by: Lindsay Walker
Delegated Authority
Department of Housing & Public Works

Queensland Government