CHIEF EXECUTIVE APPROVAL 05/2017
Plumbing and Drainage Act 2002, part 5.

Approval

1. The UBI Aqua 6000 ("the system") described in the Specifications and Drawings in the attached Schedule and manufactured by Rotomoulding Pty Ltd ("the manufacturer") (ABN 79 084 711 535) has been assessed in accordance with the Queensland Plumbing and Wastewater Code (QPW Code) dated 15 January 2013.

2. Approval is granted for a secondary quality wastewater treatment system, subject to compliance by the manufacturer with the requirements of the Plumbing and Drainage Act 2002, part 5 and the conditions of approval detailed below.

3. This approval, the conditions of approval and the Schedule comprise the entire Chief Executive 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 Chief Executive Approval.

6. The secondary quality wastewater treatment system may only be used on premises that generate per day:
   (a) a maximum hydraulic loading of 1500L; and
   (b) a maximum organic loading of 300mg/L BOD₅

7. For the system to meet the requirements of a secondary quality wastewater treatment system, the system must produce the following effluent quality —
   (a) 90% of the samples taken must have a BOD less than or equal to 20g/m³ with no sample greater than 30g/m³; and
   (b) 90% of the samples taken must have total suspended solids less than or equal to 30g/m³ with no sample greater than 45g/m³; and
   (c) Where disinfection is provided 90% of the samples taken over the test period must have a thermotolerant coliform count not exceeding 200 organisms per 100ml with no sample exceeding 1000 organisms per 100ml.
   (d) Where chlorination is the disinfection process, the total chlorine concentration must be greater than or equal to 0.5g/m³ and less than 2.0g/m³ in four out of five samples taken.

8. Each system must be serviced in accordance with the manufacturers details supplied in the owner’s service and maintenance manuals.

9. Each system must be supplied with —
   (a) a copy of this Chief Executive Approval document;
   (b) details of the system and ancillary equipment;
(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.

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

11. At each anniversary of the Chief Executive Approval date, the manufacturer must submit to the Chief Executive a list of all systems installed in Queensland that they have received an installation and commissioning certificate for during the previous 12 months.

12. Where the Chief Executive is notified of any system failures that they believe are a result of poor design or faulty manufacture, the Chief Executive may randomly select a number of installed systems for audit. The Chief Executive will notify the National Association of Testing Agencies (NATA) accredited laboratory nominated by the manufacturer, which systems are to be audited for Biochemical Oxygen Demand (BOD5) and Total Suspended Solids (TSS). The sampling and testing of the selected systems, if required, is to be done at the manufacturer’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) Biochemical Oxygen Demand (BOD5).
   (e) Total Suspended Solids (TSS).

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

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

15. This approval expires on 1 July 2022 unless cancelled earlier in accordance with paragraph 13 above.

Lindsay Walker
Director
Strategic Policy (Plumbing, Drainage, Tribunal and Special Projects)

Date approved: 1 July 2017
CHIEF EXECUTIVE APPROVAL No. 05/2017
Plumbing and Drainage Act 2002, part 5, division 1, section 93

SCHEDULE

Attachment 1

Specifications for the

UBI Aqua 6000
UBI Aqua Water Treatment System - Specifications

Global 's UBI Aqua Water Treatment System consists of a tank with 4 chambers. A Primary aeration chamber, settling chamber and a pump out chamber. These are all contained in the main tank (6000L).

Your UBI Aqua water treatment system treats your household wastewater by temporarily holding it in the water treatment tank where heavy solids and lighter scum are allowed to separate from the wastewater. The first compartment is a settling chamber where solids and liquids separate and some anaerobic digestion occurs. From here, the effluent passes through the aeration chamber where a pump supplying a constant flow of air is used to oxygenate the water, creating optimum conditions for the decomposition of organic compounds. The third compartment allows further removal of particulate matter and disinfection before the effluent leaves the unit. After spending time in the chlorination / disinfection chamber, the treated effluent is pumped through irrigation lines to the disposal area as per required design.
This effluent then slowly seeps into the subsurface soil where it is further treated.

A properly functioning water treatment system does not pollute the groundwater.

UBI AQUA

Global Rotomoulding
Global Water 6000
Hydraulic Capacity 1500L per day
Total 5920L
Weight Tank 695 Kgs

AS/NZS 1546.1.2008
Licence No SMK40297
AS/NZS 1546.3.2008
Licence No SMK40298
SAI Global

Top Load Limit 510kgs
Depth of cover ground level
Use crane to position using the lifting lugs provide on the tank
Serial No Date

Department of Housing and Public Works
Chief Executive Approval

Approval No: 05/2017
Date of Issue: 27/7/2017
Delegate Signature: N/A
Building Codes Queensland
CHIEF EXECUTIVE APPROVAL No. 05/2017
Plumbing and Drainage Act 2002, part 5, division 1, section 93

SCHEDULE

Attachment 2

Drawings for the

UBI Aqua 6000