

TREATMENT PLANT APPROVAL 05/2021 Amendment 1

Plumbing and Drainage Act 2018



Approval

1. The **Eco Design Greywater Recycling System** (“the system”) described in the Specifications and Drawings in the attached Schedule and manufactured by **Eco Design Sustainable Housing** (“the manufacturer”) (ABN 33 190 648 366) has been assessed in accordance with the Queensland Plumbing and Wastewater Code (QPW Code) dated 26 October 2017.
2. Approval is granted for a secondary greywater treatment system, subject to compliance by the manufacturer with the requirements of the *Plumbing and Drainage Regulation 2019* 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 secondary greywater treatment system may only be used on premises that generate per day:
 - (a) BOD₅ – less than or equal to 240 mg/L; and
 - (b) Suspended solids – less than or equal to 140mg/L
7. Each system must be serviced in accordance with the manufacturers details supplied in the owner’s service and maintenance manuals.
8. Each system must be supplied with —
 - (a) a copy of this Treatment Plant 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.
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. At each anniversary of the Treatment Plant 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.

11. 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).
12. 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.
13. This approval may only be assigned with the prior written consent of the Chief Executive.
14. This approval expires on 30 April 2024 unless cancelled earlier in accordance with paragraph 12 above.
15. The amendment to the approval 03/2021 is made on 22 December 2023.



Anne Neuendorf
Acting Assistant Director-General
Building Policy
Department of Housing, Local Government, Planning and Public Works
Date approved: 22 December 2023

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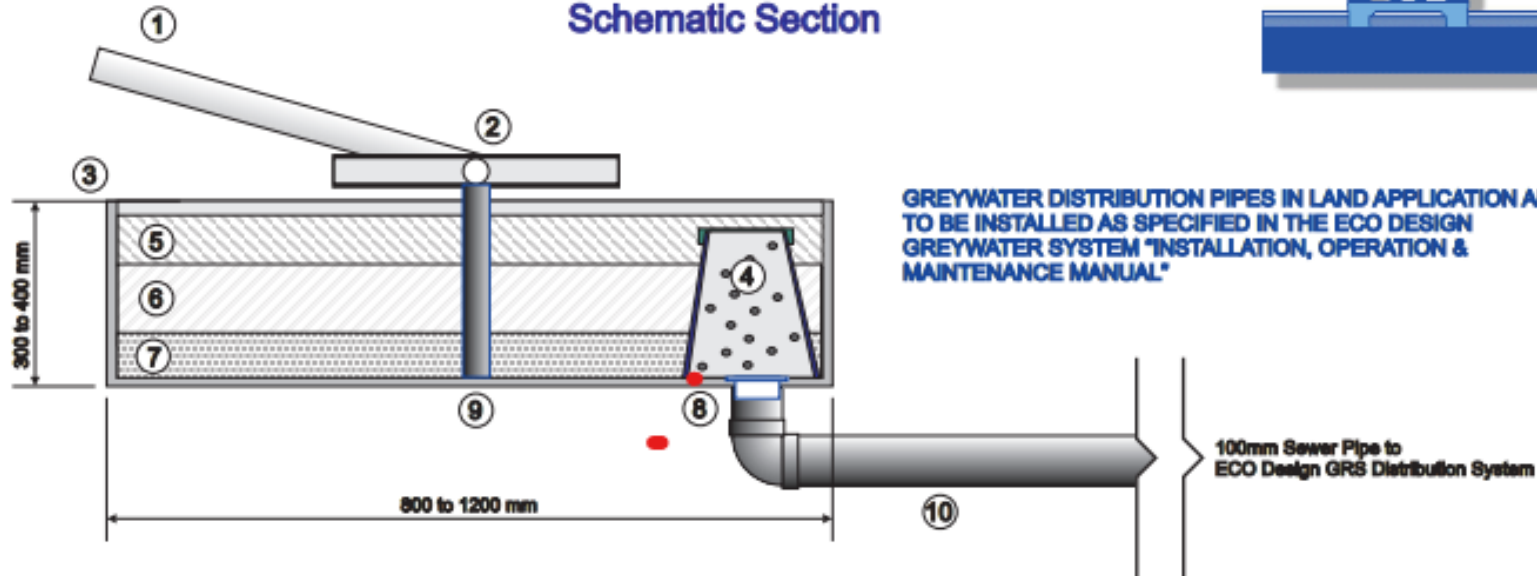
SCHEDULE

Attachment 1

Specifications for the

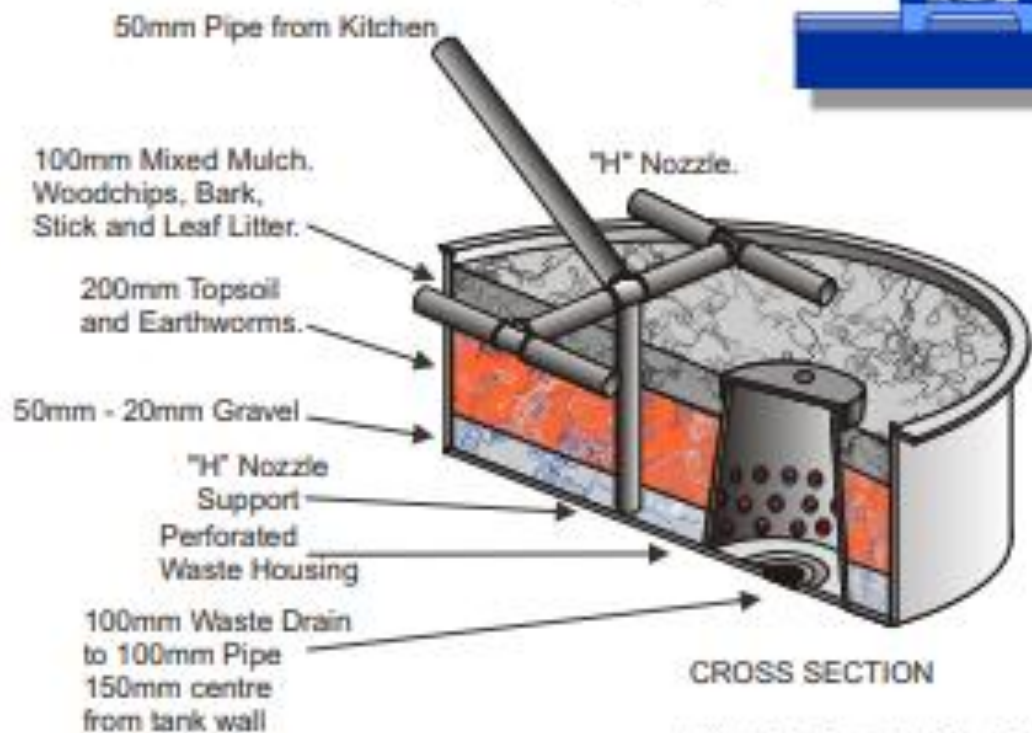
Eco Design Greywater Recycling System

ECO Design Sustainable Housing Greywater Recycling System (GRS) Schematic Section



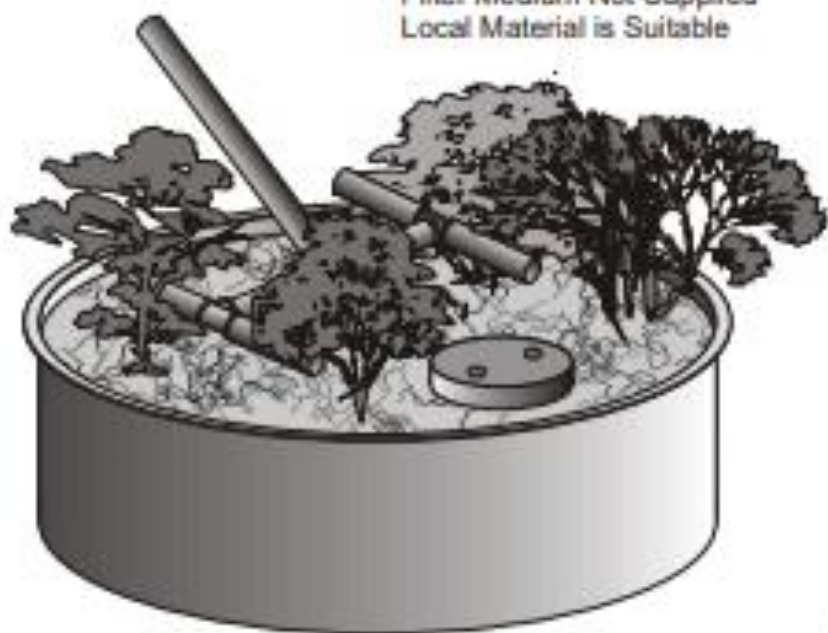
| ITEM | COMPONENT | MATERIAL |
|------|-------------------------------|---------------------|
| 1 | GREY WATER WASTE PIPE | PVC |
| 2 | GREY WATER DISTRIBUTOR NOZZLE | HDPE PLASTIC |
| 3 | AEROBIC GREASE FILTER / AGF | HDPE PLASTIC |
| 4 | AGF GREY WATER WASTE HOUSING | HDPE PLASTIC |
| 5 | MULCH | BARK OR LEAF LITTER |
| 6 | TOPSOIL | ORGANIC SANDY LOAM |
| 7 | GRAVEL | 20 MM |
| 8 | 100MM WASTE GRATE | PVC |
| 9 | DISTRIBUTOR NOZZLE SUPPORT | HDPE |
| 10 | 65 MM to 100MM SEWER PIPE | PVC |

Greywater Recycling System
 "H" Nozzle &
 Aerobic Grease Filter (AGF)



Filter Medium Not Supplied
 Local Material is Suitable

Ornamental plants can be planted as required



250 litre HDPE Plastic Tank
 1000mm diameter x 425mm deep

ECO Design - Greywater Recycling & Irrigation Systems
 Ph:0458-627-701

www.greywater.com.au

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