

PURSUANT TO
SECTION 53M(7) OF THE
ENVIRONMENT PROTECTION ACT 1970
CERTIFICATE OF APPROVAL

An approval is hereby issued by the Environment Protection Authority ("the Authority") under Section 53M(7) of the Environment Protection Act 1970 ("the Act")

FOR: OASIS DOMESTIC GREYWATER TREATMENT SYSTEM

This is to certify that the above system ("the system") is a type of septic tank system approved by the Authority for the purposes of Part IXB of the Act, subject to the attached conditions.

A separate Permit ("the permit") is required from the relevant Council before installation. The permit shall govern the dispersal method and maintenance requirements.

Approval Number: CA 106/07

Date of Issue: 10 January 2007

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CHRISTOPHER JOHN BELL
DIRECTOR WATER AND NATIONAL
PROGRAM

This Certificate of Approval is in force until 10 January 2012.

Definitions

Code of Practice means the current version of EPA Septic Tank Code of Practice (publication 891).

Council means the local municipal council.

Act means the Environment Protection Act 1970.

Permit means a permit issued by a *Council* pursuant to Section 53M 5(b) of the Act.

CONDITIONS OF APPROVAL

1. This approval is valid for (5) five years from the date of this approval or unless withdrawn earlier by the Authority.
2. No modifications or variations to the system may be made unless approved by the Authority.
3. Excess greywater from the system must be diverted to sewer. Greywater shall be contained within the allotment boundaries.
4. A copy of the "Installation Manual", the "Operations Instruction Manual" as contained in the application and attached on the Certificate of Approval for the system and any other applicable permit conditions, must be supplied with every installation to the owner or occupier of the premises where the unit is installed.
5. A permanent, clear and indelible notice must be attached to the system in a prominent position and must include the manufacturer's name and model number of the system.
6. The replacement of filter media must be undertaken at least once every three (3) years, or as deemed necessary after inspection and maintenance as referred in condition 16, to the satisfaction of the municipal council.
7. The system must be installed with lids covering all inspection and access openings of all chambers at or above ground-surface level.
8. Prior to installation the manufacturer shall provide to the relevant Council a copy of the following information:
 - Statement of warranty and of service life;
 - Quality assurance certification and/or quality installation plan;
 - Installation and servicing manuals;
 - Owner's or Occupier's Operation Instruction Manual;
 - Service report form;
 - Engineering drawings, detailed specifications and A4 installation plans;
 - A full description of major mechanical and electrical component parts;
 - Approval documentation as obtained from EPA.

¹EPA publications and EPA Certificate of Approvals are updated regularly. Please refer to the most recent version of the relevant publications.

Waste Discharges

9. The reuse or dispersal of treated effluent must only be onto land if the relevant Council is satisfied that the effluent can be contained within the property boundary and the proposed dispersal system meets the following requirements¹:

- Code of Practice;
- EPA publication 812 *Reuse Options for Household Wastewater*;
- Certificate of Approval 35/93, and/or
- Certificate of Approval 1.2/03, and/or
- AS/NZS 1547 On-site domestic wastewater management.

10. The effluent from the system must not exceed the following 90th percentiles

For sub-surface irrigation:

Biochemical Oxygen Demand (BOD)	20 mg/L
Suspended Solids (SS)	30 mg/L

For surface irrigation

Biochemical Oxygen Demand (BOD)	20 mg/L
Suspended Solids (SS)	30 mg/L
<i>E.coli</i>	10 orgs/100ml
Free residual chlorine*	0.2 mg/L (min.) and 2.0 mg/L (max.)

*Applicable only to systems using a chlorination disinfection process.

11. Disposal of the treatment media shall be in accordance with EPA requirements to dispose such waste.

Monitoring

12. If effluent from the system is dispersed by surface irrigation onto land, the owner is required to have an **annual** sample of the effluent taken. The sample must be tested for the indicators biochemical oxygen demand (BOD), and suspended solids (SS), *E. coli* and free chlorine.

13. If effluent from the system is dispersed by subsurface irrigation, which have been reduced in length by up to 50% of that permitted by the Code of Practice, the owner is required to have an **annual** sample of the effluent taken. The sample must be tested for the indicators biochemical oxygen demand (BOD), and suspended solids (SS).

14. The sampling and analysis program referred to in condition 12 and 13 must be undertaken in accordance with the current edition of EPA Publication 441, *A Guide to Sampling and Analysis of Waters, Wastewaters, Soils and Wastes*, or other methods approved by the EPA.

15. All effluent samples referred to in conditions 12 and 13 are to be taken and analysed by a person or laboratory registered by the National Association of Testing Authorities (NATA) for those tests.

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Maintenance

16. Maintenance of the system must be carried out at least once every six (6) months in accordance with the manufacturer's specifications (attached).

Reporting Results

17. An annual report shall be submitted to the relevant Council by the owner of the premises where the system is installed containing the following information:

- the results of the performance evaluations referred to in Conditions 12 and 13 and relating to effluent qualities referred to in condition 10;
- copies of all laboratory analytical test reports;
- copies of inspection and maintenance reports for the period.

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