

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: Aqua Nova 2000

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 68/06

Date of Issue:

6 June 2006

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MAXWELL KEITH COSTELLO
MANAGER AUTHORITY DECISIONS

This Certificate of Approval is in force until 6 June 2011.

Definitions

Code of Practice means the current edition of EPA's Septic Tanks - Code of Practice.

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 This approval is valid for (5) five years from the date of this approval or unless withdrawn earlier by the Authority.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. The system is approved for domestic wastewater flow not exceeding 3000 litres/day with an organic loading not exceeding 600 grams BOD/day.
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. Desludging of the system must be undertaken at least once every three (3) years, or as deemed necessary after inspection and maintenance as referred to in condition 16.
7. An alarm system with suitable visual and/or audio with mute facility must be installed in an appropriate location to indicate a failure of any effluent pump or aeration component.
8. The system must be installed with all inspection and access openings over all chambers at ground-surface level.
9. 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.

Waste Discharges

10. The 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 meet the following requirements:

- Code of Practice
- Certificate of Approval 35/93 (current version), and/or
- Certificate of Approval 1.2/03 (current version), and/or
- AS/NZS 1547 On-site domestic wastewater management
- AS/NZS 1546.3 Aerated wastewater treatment systems

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

For all discharges:

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.

Monitoring

12. If effluent from the system is dispersed by surface irrigation onto land, the owner is required to cause an **annual** sample of the effluent to be 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 cause an **annual** sample of the effluent to be 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 to be taken and analysed by a person or laboratory registered by the National Association of Testing Authorities (NATA) for those tests.

Maintenance

16. Maintenance of the system by a suitably qualified person or servicing agent must be carried out at least once every three (3) months in accordance with the manufacturer's specifications.

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:

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