



WCS 01331 RENEWAL APPROVAL FROM 31/05/2007 UNTIL 31/05/2012.

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March 2007

Mr Mal Close
Managing Director
Suncoast Waste Water Management
59 Industrial Avenue
KUNDA PARK
QLD 4556

Dear Sir,

RE: RENEWAL OF PRODUCT APPROVAL – OZZI KLEEN RP10 SEWAGE TREATMENT SYSTEM

The renewal approval is for the Ozzi Kleen Model RP10 intermittently aerated sewage treatment system for 2000 L hydraulic flow and 700 g BOD per day (10 EP for raw sewage). The approval is to be subject to the following conditions.

1. The approved product consists of the following components
 - 1.1 Single 4250 L polyethylene tank .
 - 1.2 Two 450 L polyethylene (clarification and disinfection) tanks fitted into the outer tank which is used as the aeration compartment.
 - 1.3 Chlorination system
 - 1.4 Associated air blower and irrigation system pump.
2. The system is to be manufactured, installed, operated and maintained in accordance with:
 - 2.1 The plans, specifications, submission, manufacturers recommendations and DH approval conditions.
 - 2.2 The SAHC Codes *Waste Control Systems - Standard for the Construction, Installation and Operation of Septic Tank Systems in South Australia* and , *Supplement B, Aerobic Wastewater Treatment Systems*.
 - 2.3 Lids and access openings being secured with childproof fixings.
 - 2.4 Lids are now manufactured as moulded units.
 - 2.5 Moulded hinges are now used with a square motor box lid.
 - 2.6 A barrel union and check valve is used for the irrigation pump.
 - 2.7 The air diffuser now uses a fixture with a removal clip for maintenance.
 - 2.8 A plastic mesh basket is now located near the effluent inlet for interception of foreign matter.
3. In regards to the installation of the Ozzi Kleen RP10:
 - 3.1 The system is to be installed at an overall depth not exceeding the depth of the outer shell (2.3 m) as per the manufacturer's instructions.

- 3.2 All pumps and controls supplied with the unit and all related attachments are to be suitable and durable for their intended purposes and operating environment as well as complying with all relevant codes and standards.
 - 3.3 Pump lines or electrical connections are not permitted to pass through the cover of the tank. All pipework passing through the tank walls is to be fitted with barrel union connections to facilitate disconnection for maintenance and repair. The pipework within the aerobic wastewater treatment tank is to be installed to enable ease of maintenance and be secured in position.
 - 3.4 An alarm system with suitable audible and visible components and with a muting facility is to be installed in accordance with the SAHC Code *Waste Control Systems, Standard for the Installation and Operation of Septic Tank systems in South Australia, Supplement B, Aerobic Wastewater Treatment Systems*.
4. Unstabilised chlorine is to be used for disinfection in the system unless a 2 hour retention time in the pump out chamber can be achieved.
5. All units are to produce reclaimed effluent complying with the following criteria after the initial commissioning.
- 5.1 BOD₅ < 20mg/L. (mean)
 - 5.2 Suspended Solids < 30mg/L (mean)
 - 5.3 Thermotolerant coliforms (*E.coli*) < 10/100ml. (median)
 - 5.4 Total Residual Chlorine ≥ 1.0 mg/L. (median).

Non compliance with these discharge criteria may result in revocation of the approval.

6. In regards to the effluent/reclaimed water irrigation:

- 6.1 The irrigation system is to be a fixed permanent system designed and installed in accordance with the *SAHC Standard for the construction, installation and operation of Septic Tank Systems in South Australia, Supplement B, Aerobic Wastewater Treatment Systems* or *Australian/New Zealand Standard for On-site domestic wastewater management, AS/NZS 1547:2000* and be site specific.
 - 6.2 The irrigation area is required to be set up prior to the commissioning of system and the irrigation pump selected for the site must be suitable for the required flow and total head.
7. This approval is valid for a period of **five years** from the approval date of **31/05/2007** and is invalid thereafter unless reviewed by the submission of an application and receipt of an approval from the Department of Health prior to the expiry date. Modification of the design of the unit and any of its associated components without firstly notifying the DH and gaining approval for any changes will negate this approval. **Note that additional product approval requirements will be introduced within the next 1 – 2 years. Manufacturers will need to comply with all new legislation within the period specified by the Minister for Health (C/- Wastewater Management Section, DH).**

8. Pursuant to the Public and Environmental Health (Waste Control) Regulations, the Department of Health reserves the right to revoke all or any of the approval conditions and require the repair, replacement, rectification, alteration of the system or part thereof:
- 8.1 at any time should the system or component thereof not be manufactured, installed and/or operated in accordance with the approval conditions; or
 - 8.2 at any time the system is defective and not able to perform the function for which the approval is issued; or
 - 8.3 it is operated in a manner that is prejudicial to public and environmental health or causes environmental nuisance.
 - 8.4 or the operator or the person or agency holding the approval for the system fails to undertake the necessary monitoring of the system and provision of the results to the relevant parties as required by this approval
9. The renewal approval issued by the Department of Health does not alleviate your responsibilities under other Acts and Regulations.
10. This renewal approval is not to be used for any advertising purposes and is not transferable.

Approved by:



(Tony Farror) Date: 8th March 2007

Acting Manager, WASTEWATER MANAGEMENT SECTION
Delegate of the Minister for Health.

References: Information provided by the Suncoast Waste Water Management
Incorporating Document Modifications from May 2002.

Attachments: Diagram of the system

INSTALLATION, OPERATION AND MAINTENANCE REQUIREMENTS OF THE OZZI KLEEN RP10 SEWAGE TREATMENT SYSTEM

- Note 1:** All installations of the **OZZI KLEEN RP10 SEWAGE TREATMENT SYSTEMS** are to be subject to individual application and fee to the relevant approving authority for assessment of prevailing site conditions to determine the system installation requirements in addition to the requirements of this approval.
- Note 2:** A licensed plumber must carry out the installation of the system.
- Note 3:** The system, once installed, must be maintained in a fully operational and sanitary state at all times by the user / owner of the system in accordance with the product and installation approval conditions, manufacturer's requirements and any other specific requirements by the relevant authority. Records are to be kept of all maintenance of the system and made available to the relevant authority on request.
- Note 4:** The effluent disposal site is required to be set up prior to use of the system and occupation of the premises.
- Note 5:** Pedestrian and vehicular traffic is to be excluded from the area around the unit and the effluent irrigation/disposal site.
- Note 6:** Sludge from the system is to be taken away by an EPA licensed operator to an approved site and in accordance with the SA Biosolids Guidelines.

Note 7: If the dwelling is within a reticulated wastewater system area such as SA Water sewer, Council STED or other schemes, approval must be obtained for the use and installation of this system from such relevant authority.