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Our reference: WCS 2008-2

22 May 2009

Mr Mal Close  
Managing Director  
Suncoast Waste Water Management  
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**Public Health**

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Dear Sir,

RE: PRODUCT APPROVAL RENEWAL FOR OZZI KLEEN MODEL GTS 10  
DOMESTIC GREYWATER TREATMENT SYSTEM

I refer to your application seeking approval for the above product.

I advise that, pursuant to Public and Environmental Health (Waste Control) Regulations 9, 10, 11, 12, 12A, 13 and 14, a renewal approval is issued to manufacture, market and sell the Ozzi Kleen Model GTS 10 Domestic Greywater Treatment System in South Australia subject to the following conditions:

1. The approved system consists of the following components:
  - 1.1. It is a 10 EP system for up to 1000 L/day greywater flows.
  - 1.2. A 4150 L roto moulded polyethylene cylindrical tank (model PT 4000) as the main treatment tank.
  - 1.3. 1640 L roto moulded polyethylene cylindrical tank (model PS 1500) as the pump chamber and chlorine contact tank.
  - 1.4. A Rietschle Thomas LP80-HN air blower rated at 85 L/min and an Elastox-T type B diffuser.
  - 1.5. A suitable submersible pump rated at 40 L/min @ 8 m head.
  - 1.6. An audio-visual in-house alarm system.
2. Compliance is required with:
  - 2.1. The plans and specifications as submitted.
  - 2.2. Equipments suppliers' instructions and recommendations.
  - 2.3. All relevant Standards, Codes and Guidelines.
  - 2.4. Conditions of this approval.
3. Other requirements for the approved system are as follows:
  - 3.1. The system is to be serviced at three monthly intervals in accordance with the instructions in the Owners manual.
  - 3.2. The lids and access openings are to be fitted so as to be childproof.

- 3.3. All pumps and electrical 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.
4. The manufacturer shall provide the following information to owner of the premises at which the system is installed:
  - 4.1. A copy of the Owners manual with clearly indicating that in South Australia, treated effluent from the system cannot be used for laundry use or toilet flushing.
  - 4.2. A copy of the section of this approval titled " Installation, Operation and maintenance requirements of the Ozzi Kleen Model GTS10
5. The system must produce recycled water complying with the following criteria after the initial commissioning:
  - 5.1 A mean value of BOD<sub>5</sub> not greater than 20 mg/L
  - 5.2 A mean value of suspended solids not greater than 30 mg/L
  - 5.3 A median value of thermotolerant coliform (*E coli*) count not greater than 10/100 mL
  - 5.4 A median total chlorine level of not less than 0.5 mg/L
6. An inspection is to be carried out on a completed unit to establish compliance with the submitted plans and the conditions of this approval. The manufacturer is to liaise with the Minister for Health (C/- Wastewater Management Section, Department of Health (DH)) to arrange a suitable time and place for the inspection.
7. Modification of the design of the system or any of its associated components and to the Owners manual must not occur without prior approval from the Minister for Health (C/- Wastewater Management Section, DH).
8. Pursuant to Public and Environmental Health (Waste Control) Regulation 14, approval is granted for a period of **five** years from the date of this approval, and will lapse unless renewed by the submission of an application and receipt of an approval from the Minister for Health (C/- Wastewater Management Section, DH) prior to the expiry date. **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).**
9. This approval is not to be used for any advertising purposes and is not transferable.
10. Pursuant to the Public and Environmental Health (Waste Control) Regulations, the Minister for Health (C/- Wastewater Management Section, Department of Health) reserves the right to vary any or all of the approval conditions, and require the repair, replacement, rectification, or alteration of the system or any part thereof should at any time:
  - 10.1 The system or a component thereof not be manufactured, maintained and/or operated in accordance with the approval conditions; or
  - 10.2 The system is defective and not able to perform the function for which the approval was issued.

Approved by:



(Ms Nina Allen) Date: 22 May 2009

Manager, Wastewater Management  
Delegate of the Minister for Health

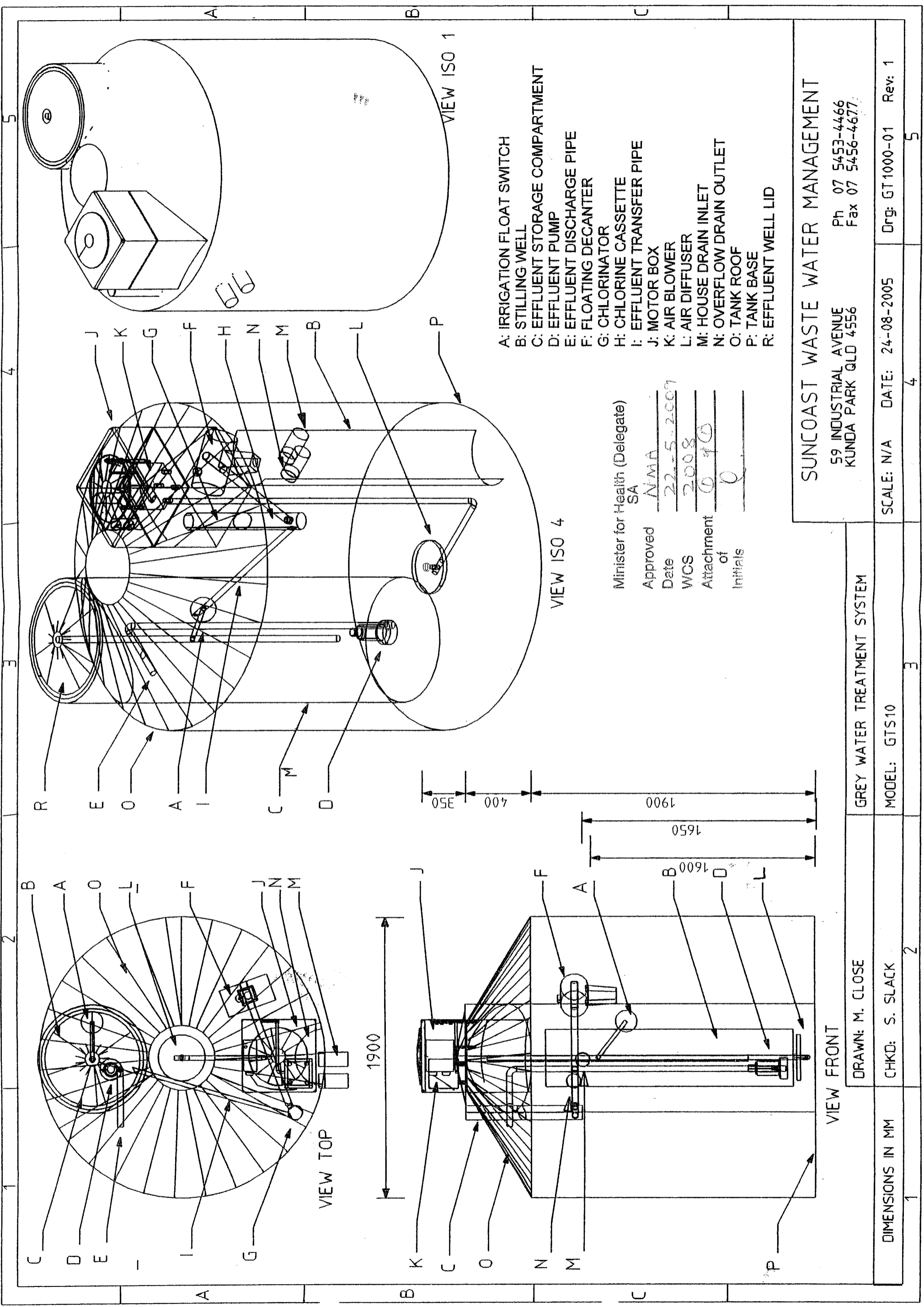
**References:** - Information provided by Suncoast Waste Water Management via letter dated 19 May 2009.

**Attachments:** Ozzi Kleen Model GTS10 Domestic Greywater Treatment System drawing number GT 1000-01, Rev 1 dated 24-08-2005.

**INSTALLATION, OPERATION AND MAINTENANCE REQUIREMENTS OF THE  
OZZI KLEEN MODEL GTS 10 DOMESTIC GREY WATER TREATMENT SYSTEM.**

- Note 1:** All installations of the Ozzi Kleen Model GTS 10 Domestic Greywater Treatment System 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. Approval from the relevant authority is required prior to each installation.
- Note 2:** Vehicular traffic is to be excluded from the area around the unit and the irrigation site.
- Note 3:** The recycled water can not be used for laundry use or toilet flushing.
- Note 4:** The blackwater from toilets must not be discharged into the Ozzi Kleen Model GTS 10 Domestic Greywater Treatment System.
- Note 5:** The system must not be connected to a drinking water supply.
- Note 6:** A licensed plumber must carry out the installation of the Ozzi Kleen Model GTS 10 Domestic Greywater Treatment System.
- Note 7:** The operation and maintenance of the Ozzi Kleen Model GTS 10 Domestic Greywater Treatment System is to be carried out as per details set out in Owners manual.
- Note 8:** The recycled water disposal from the system shall be by means of:
- A surface irrigation system in a dedicated area designed in accordance with the SAHC Code *Waste Control Systems- Standard for the Construction, Installation and Operation of Septic Tank Systems in South Australia; Supplement B Aerobic Wastewater Treatment Systems*; or
  - A subsurface irrigation system designed by a qualified engineer experienced in the field of wastewater treatment and disposal, in accordance with AS/NZS 1547:2000, taking into account the soil report and also all setback requirements of the Code referred above.
- Note 9:** The irrigation/disposal area is required to be set up prior to occupation of the premises and use of the system.
- Note 10:** Sludge is to be taken away by an EPA licensed operator to an approved site and in accordance with the SA Biosolids Guidelines.

- Note 11:** The overflow feature of the system preceding the irrigation system is to direct wastewater to the main wastewater system for the dwelling (to sewer or to community wastewater management scheme or to the onsite wastewater system – whichever is applicable) in case of any malfunctioning of the system.
- Note 12:** If the dwelling is within a reticulated wastewater system area such as SA Water sewer, Council community wastewater management scheme or other schemes, approval must be obtained for the use and installation of this system from such relevant authority.



- A: IRRIGATION FLOAT SWITCH
- B: STILLING WELL
- C: EFFLUENT STORAGE COMPARTMENT
- D: EFFLUENT PUMP
- E: EFFLUENT DISCHARGE PIPE
- F: FLOATING DECANTER
- G: CHLORINATOR
- H: CHLORINE CASSETTE
- I: EFFLUENT TRANSFER PIPE
- J: MOTOR BOX
- K: AIR BLOWER
- L: AIR DIFFUSER
- M: HOUSE DRAIN INLET
- N: OVERFLOW DRAIN OUTLET
- O: TANK ROOF
- P: TANK BASE
- R: EFFLUENT WELL LID

Minister for Health (Delegate)  
 SA  
 Approved: NMA  
 Date: 22-5-2009  
 WCS: 2008  
 Attachment of Initials: 040

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**GREY WATER TREATMENT SYSTEM**  
 MODEL: GTS10  
 DRAWN: M. CLOSE  
 CHKD: S. SLACK

SCALE: N/A DATE: 24-08-2005 Drg: GT1000-01 Rev: 1