



June 2006

WELCOME

Welcome to the June 2006 edition of *Wastewater News*. You can find an electronic version of this document at our website:

<http://www.dh.sa.gov.au/pehs/newsletters.htm#wastewater>

Servicing Agents

There have been a number of queries from Councils and the general public with respect to service agents for aerobic wastewater treatment systems.

As many of our readers would know, with the advent of the Onsite Wastewater Code servicing agents will be required to show appropriate qualifications, or undertake an accredited course to carry out that work. Additionally, a number of treatment units will be tested each year to determine compliance with secondary treatment criteria.

Until the new Code is in place, it is important that servicing agents should be adequately trained in the servicing of the system for which they have been contracted and also be trained in the occupational health and safety aspects of the work. If in doubt about this, persons should request details from the agent to demonstrate this knowledge. This is usually done by asking for relevant experience details in the servicing area relating to the system in question. Many are accredited agents of some manufacturers and so this detail can also be sought.

It should also be brought to the attention of owners of systems that they should check to see if engaging another agent would affect their warranty with the manufacturer. Some of the components of systems of various manufacturers e.g tanks are warranted for a number of years.

With respect to homeowners servicing their own systems, the above would also apply in terms of relevant experience and training.

It should also be noted that discussions are continuing with respect to the extent of work which can be carried out by servicing agents.

Recycled Water for Agricultural Irrigation

The SA Reclaimed Water Guidelines has specific effluent quality and irrigation requirements for use of treated effluent for agricultural irrigation. As such, PIRSA must be consulted for all reuse projects considering agricultural irrigation, in addition to Department of Health and other agencies such as the EPA. Approval from PIRSA may be required for certain schemes involving agricultural irrigation. Contact details are provided in the SA Reclaimed Water Guidelines.

Biolytix BF6 Wastewater Treatment System

The Biolytix filter unit is an aerobic wastewater treatment system rated for up to 10EP, with 700g BOD/d and 1500L/d flow. It consists of a structured arrangement of layers of geotextile fabrics and media. The media elements consist of segments of agricultural drain and coco peat arranged into serviceable bags which fill the tank shell.

The system consists of the following components:

- Everhard industries 2500 L tank shell for the treatment unit
- 84 Humus Matrix elements
- 70 Drainage Matrix elements
- Barrier filter unit
- Central pump well manufactured from Iplex "polypropylene black pipe (Iplex " Black Max") with sealed lid
- Submersible irrigation pump (Pedrollo Spa Model SUMO 2/5 or equivalent)
- Air pump (Schego Model M2K3 or equivalent).
- Electrical control box
- Sub surface irrigation system

A recent addition to this system is the option for an externally mounted UV disinfection unit to allow surface irrigation, and the option for addition of 2.4 kg /day putrescible waste from a domestic food waste disposal unit (equivalent to 10EP)

The system has achieved Certification to AS 1546.3.

The Department of Health currently undertakes all approvals for this system. However, the installation requirements are not any different to a standard aerobic system. Therefore, it is intended that a Circular will be sent to Councils in the near future to allow installations by Councils.

In the meantime, further technical information can be found on the Biolytix website:

<http://www.biolytix.com>

Wastewater Treatment System New Product Approvals

Biolytix BF6 – Aerated Wastewater Treatment System with putrescible waste disposal and UV disinfection:

The Biolytix BF6 is a 10 EP system and is approved for a hydraulic capacity of 1500 L/d and BOD of 700 g/d. It can take putrescible waste from domestic food disposal and uses UV disinfection. The effluent can be used for surface or subsurface irrigation.

Please also see the article above regarding the Biolytix system.

Ozzi Kleen Domestic Greywater Treatment System Model GTS 10:

The Ozzi Kleen GTS 10 is a 10 EP system and is approved for a hydraulic capacity of 1000 L/day. It can take greywater from kitchen, bathroom and laundry. It uses chlorine tablet disinfection and the effluent can be used for surface irrigation.

Nu-Treat Recirculating Sand Filter:

This system is for up to 10 EP and is approved for a hydraulic capacity of 2000 L/d and BOD of 500 g/d.

It uses sand which is a by-product of steel slag from Electric Arc Furnace. It proportionally recycles the secondary treated effluent through the filter media by returning 50% of the pump sump volume back through the filter a number of times a day. The effluent can be used for subsurface irrigation or surface irrigation after disinfection using chlorine tablets.

Septic Tank by RELN:

This is a polypropylene vertical cylindrical tank of 3200 L capacity.

Pump Sumps by Mono Pumps Australia:

These are made of Polyethylene and come in capacities of 950 L and 1450 L. Typically used as pump sumps for STEP systems.

Pump Sumps by ITT Flygt:

These are made of Polyethylene and come in capacities of 1050 L and 1460 L. Typically used as pump sumps for STEP systems.

CONTACT US

For any further information regarding newsletter content or to raise issues/ provide feedback, please contact us:

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