



AERATED WATER TREATMENT SYSTEM (AWTS)

(Gardenmaster, Econocycle, Envirocycle, Bioseptic, Biocycle, Earthsafe, Etc)

WHAT HAPPENS WHEN THERE IS NO POWER TO THE SYSTEM

This is intended to be an information advice to assist in understanding the effects of the power outages on AWTS, however there is no substitute for assistance from your professional service provider, if in doubt please make contact with our company, we can help.

WHAT HAPPENS WITH NO POWER

1. The system will continue to fill as new material from sinks and bathrooms flow into the system. After a period of time the various chambers in the system will overflow and mix, as the system fills further the system will overflow. This may occur around the tank, at the overflow gully near the house or toilets etc in the house. PLEASE NOTE THIS IS UNTREATED SEWERAGE AND MAYBE A HEALTH HAZARD.

2. **DO NOT** get the entire tank pumped out. These systems are designed to be operated full of liquid, if you pump out the entire contents of the tank there is a high possibility that the tank may lift out of the ground due to the action of the surrounding groundwater. This is more likely if there have been recent heavy rains.

3. If you have a generator (pumps generally use 600 to 1000 watts) you can activate the submersible/irrigation pump by accessing its plug usually located in the enclosure located on top of the tank. Run the pump for say 15 minutes, twice a day is usually sufficient to prevent the system overflowing. If the pump doesn't pump water out there is most probably a blockage, turn the pump off and call a professional. BE CARFEUL ELECTRICITY AND WATER ARE DANGEROUS

WHAT HAPPENS WHEN POWER RETURNS

1. The alarm will sound, the irrigation pump will commence pumping effluent to the irrigation field and the air blower will starting blowing air into the tank.

2. It may take up to an hour for the irrigation pump to lower the water levels in the tank, however the pump may become blocked or its float switch caught (due to flooding of the tank) and continue to pump while not discharging effluent to the irrigation field. If the irrigation pump doesn't discharge effluent and continues to run there is a problem, remove the pumps plug from the power point and call a professional. Pumps can be expensive to replace.

3. Once the water levels have returned to normal, the alarm should go off, if it doesn't call a professional.

WHAT ARE THE EFFECTS OF THE FLOODED TANK

Usually raw sewerage and sludge are caught around the cables and pipes within the tank. Sludge is usually left in the irrigation and clarification chambers (potentially blocking pumps and irrigation lines) and the sludge return is not usually operating properly. Although the system may have returned to normal operating levels it is most likely it is not operating very effectively and there is a potential for damage to the system. Typical signs are smells, blocked sprinklers and unusual sounds coming from the tank.

It is recommended the system be serviced as soon as is practicable by a professional. We can assist.

