

HOW DO YOU SET UP YOUR AERATED IRRIGATION DISPOSAL AREA?

NOTE – A PLUMBER MUST INSTALL ALL WASTEWATER IRRIGATION AREAS FOR ALL APPLICATIONS LODGED AFTER 16 JUNE 2013

After you have received Council approval and your Aerated Wastewater Treatment Ssystem (AWTS) has been installed, you (or your plumber) are then required to install the effluent irrigation disposal area. It must be in accordance with Council approval and the SA Health On-site Wastewater Systems Code 2013. Suitable irrigation disposal is a crucial element to the functioning of the system and must be established prior to use of the system.

The surface irrigation disposal area must be;

- Dedicated to the sole use of receiving reclaimed effluent
- Appropriately landscaped with shrubs and trees
- Designed to discourage pedestrian and vehicle access

Landscaping

- ❖ An AWTS disposal area is required to be landscaped, with at least 150mm depth of friable soil and/or pine bark, woodchips and scoria.
- ❖ Salt and nutrient tolerant trees and shrubs must be planted.
- ❖ Lawned areas must not be used for surface irrigation disposal purposes.
- ❖ The surface irrigation disposal area should be designed so that there is no pooling or run-off.
- ❖ Reclaimed effluent should not be used for vegetable or food plants, including fruit and nut trees.
- ❖ All roof waters must be diverted away from the surface irrigation disposal area.

Irrigation layout

- ❖ Effluent needs to be dispersed evenly over the entire irrigation
- ❖ It is best practice to use the internationally recognised purple pipe for the reclaimed water, alternatively reclaimed water tape can be used to indicate pipes using reclaimed water.

Setback distances

- ❖ The surface irrigation disposal area must be setback from boundaries, buildings and aerobic wastewater unit:

FLAT SITES (< 1:100 slope)	SLOPING SITES (>1:100 slope)
<ul style="list-style-type: none"> ➤ 0.5m from boundaries ➤ 1.5m from buildings ➤ 1.5m from aerobic wastewater treatment unit ➤ 3.0m from swimming pools 	<ul style="list-style-type: none"> ➤ 0.5m from upslope boundary ➤ 1.5m upslope from lower boundaries ➤ 1.5m downslope from buildings ➤ 3.0m upslope from buildings ➤ 1.5m from aerobic wastewater treatment unit ➤ 3.0m downslope from swimming pools ➤ 6.0m upslope from swimming pools



System Maintenance

- ❖ Regular maintenance of sprayers, drippers and mulched area is required to prevent clogging to ensure correct and maximum efficiency.
- ❖ Please note that your maintenance contract may contain further specifications.



Irrigation layout

- ❖ Spray heads must be suitable for reclaimed water. The spray plume must not exceed 600mm above the finished level of the surface irrigation disposal area.
- ❖ Spray drift into adjacent areas is not permitted.



WARNING – RECLAIMED WATER
NOT SUITABLE FOR HUMAN
CONTACT/CONSUMPTION

- ❖ The surface irrigation disposal area must display sufficient warning signs, with red 20mm lettering to indicate that reclaimed effluent is being used for irrigation.



- ❖ A dripper system can be used as an alternative to sprayers, providing no pooling or run-off occurs
- ❖ The number of outlets required is dependent on the type and capacity of the drippers, aerobic pump and landscaping.



- ❖ All pipe work must be fixed, suitable for the use of reclaimed water and be buried under 150mm friable soil.