

603	Chapter 3: Onsite Systems: Recovery and Treatment
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603.01	Wastewater Reuse
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For all buildings, if a system is installed for the collection and reuse of greywater produced within the building or for the use of Treated Sewage Effluent (TSE) from an external source, the following is required:

- A.** The building must be dual-plumbed for the collection and recycled use of drainage water (greywater). Any pipes which transport greywater must be colour-coded differently from pipes that are used for potable (drinking standard) water and be labelled 'Not Suitable for Drinking.'
- B.** There must be a minimum air break of twenty five (25) mm between any potable water sources and greywater collection systems.
- C.** Greywater must not be used for purposes where it will come into contact with the human body. It must be treated to the standard required by Dubai Municipality

For all new commercial car washing facilities, they must recover and reuse at least fifty percent (50%) of their wastewater.

603.02	Water Consumption for Heat Rejection Including Cooling Towers
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For all new buildings:

Potable water supplied by Dubai Electricity and Water Authority (DEWA) must not be used for heat rejection purposes.

Where cooling towers are used, Treated Sewage Effluent (TSE), seawater or recycled water must be used to meet the water demand for all heat rejection purposes. Secondary water sources must be approved by Dubai Municipality or DEWA.

A separate totalizing meter must be fitted on the water supply to individual cooling towers and a daily log of water use must be kept.

