

Freshwater saving by seawater use


with accessory wastewater treatment advantages


Some typical headings of newspapers


- Water shortage 'could plunge the world into conflict' The Times 2010-06-06
- Yemen could become first nation to run out of water The Times 2009-10-21
- Water shortage will leave world in dire straits USA today 2003-01-23


We do have **freshwater** shortage! Only ~0.1% of global water reserves is easily accessible freshwater.

Potable water is used for waste transport mainly. Each person uses ~37L (potable) water per day for toiletflushing.









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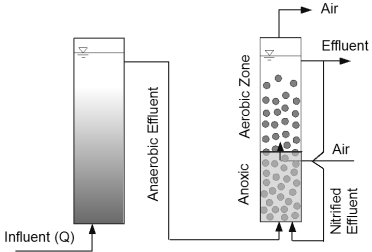
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Replace water, used for waste transportation, by **seawater!**

In coastal areas:


- seawater present abundantly
- a high population density





Anaerobic Upflow Sludge Bed Reactor
Sulphate reduction


Aerobic + Anoxic Filter
Nitrogen removal

SANI-process: Sulphate reduction, Autotrophic denitrification and Nitrogen Integrated









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