

global water reuse

Wastewater reuse helps address growing global water scarcity



1 billion people globally do not have access to clean, drinkable water.



Global water requirements will **↑ 50%** in **20 years**



By 2030, half the world population will face **water scarcity**.¹

water reuse

3-step process of treating wastewater

- 1** Ultrafiltration of treated wastewater **removes solids, oils and bacteria.**
- 2** Reverse osmosis pushes the treated wastewater through a fine plastic membrane that **filters out viruses and pharmaceuticals.**
- 3** Ultraviolet light removes any **remaining organic compounds.**

facts



Recycled sewage will be a normalized source of drinking water in cities around the world **within 30 years**.²



Global underutilization of wastewater is comparable to the **outflow from the Mississippi River** into the Gulf of Mexico for 14 months.³

Percent of generated wastewater treated, by country:



70% High-income countries
38% Upper-middle income countries
28% Lower-middle income countries
8% Low-income countries

stats



In Texas, water reuse projects and plants are **using potable-reuse technology** to **produce 2-5 million gallons** of water a day.⁴



Florida **reuses 660 million gallons** of reclaimed water **each day**.⁵



Only about **32% of the wastewater** generated in **Asia** is treated.⁶



Perth, Australia will receive up to **20% of its drinking water** from **reclaimed sources** in coming decades.⁷



China experiences a water deficit of **10.5 trillion gallons** each year.

For more information, visit www.dupont.com/water/

Sources:
¹ <http://www.cnn.com/2014/05/01/world/from-toilet-to-tap-water/>
² <http://www.cnn.com/2014/05/01/world/from-toilet-to-tap-water/>
³ <http://unu.edu/media-relations/releases/rising-reuse-of-wastewater-in-forecast-but-world-lacks-data>
⁴ <http://www.nytimes.com/2013/02/08/us/potable-water-reuse-ideas-go-forward-in-texas-despite-concerns>
⁵ <http://www.dep.state.fl.us/water/reuse/>
⁶ <http://unu.edu/media-relations/releases/rising-reuse-of-wastewater-in-forecast-but-world-lacks-data>
⁷ <http://www.cnn.com/2014/05/01/world/from-toilet-to-tap-water/>

