

Dubai's Treated Sewage Effluent Reuse — Toward Zero Wastewater Discharge

PES & Nature-Based Solutions · Good practice · United Arab Emirates

Quality score: 27/100

Evidence strength: Cautionary / limited

Summary

Dubai now reuses essentially all its treated sewage effluent for urban irrigation and greening — up from 66% in 2008 — avoiding costly desalination. The UAE's national strategy targets 95% water reuse by 2036, though rising sewer salinity is a documented concern.

Key dimensions

Dimension	Score
Carbon — sequestration / storage, evidenced	0/3
Biodiversity — conservation / improvement, evidenced	0/3
Water & soil — retention, infiltration, erosion control	2/3
Fire resilience — risk reduction, evidenced	0/3
Governance, certification & transferability	2/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-08-28

[Dubai Municipality](#) — accessed 2026-08-28

[Arab Water Council — Jebel Ali WWTP and Dubai water reuse](#) — accessed 2026-08-28

[UAE Government Portal — Water Security Strategy 2036](#) — accessed 2026-08-28

Cite this — Evidoria. *Dubai's Treated Sewage Effluent Reuse — Toward Zero Wastewater Discharge*. Persistent ID: 8c393c7e-31bf-460a-9433-7619b06621d7.