

Marrakech Treated-Wastewater Reuse — Tertiary Effluent for Golf Course & Palm Grove Irrigation (Morocco)

PES & Nature-Based Solutions · Good practice · Morocco

Quality score: 27/100

Evidence strength: Cautionary / limited

Summary

Since 2012, Marrakech utility RADEEMA has piped treated wastewater to golf resorts and the historic palm grove, producing 33 million m³/year of reclaimed water - though only 8 of 18 planned courses use it, due to clogging and salinity problems.

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 2026-08-22

[RADEEMA \(Régie Autonome de Distribution d'Eau et d'Electricité de Marrakech\) / ONEE](#) — accessed 2026-08-22

[World Bank: Marrakech solved the water riddle through wastewater](#) — accessed 2026-08-22

[Current situation of reclaimed wastewater reuse in golf courses in Marrakech \(ScienceDirect\)](#) — accessed 2026-08-22

Cite this — Evidoria. *Marrakech Treated-Wastewater Reuse — Tertiary Effluent for Golf Course & Palm Grove Irrigation (Morocco)*. Persistent ID: 3265202b-de9c-4bd9-92be-ccc9c13458d9.