



Watch Water Turkey

CASE STUDY

Municipal Drinking Water Treatment



Technology: **ZeoSorb®**

Capacity: **20 m³/h**

Status: **Commissioned & In Operation**

ABOUT THE PROJECT

The Ammonium Removal System Project in Turkey, developed in collaboration with **Watch Water® Germany**, aims to reduce ammonium levels in local water sources to meet legal standards and deliver safe drinking water to rural communities. Covering **198 villages**, each installation is equipped with a customized treatment setup featuring multimedia pre-filtration and a **ZeoSorb®** ammonium removal system. Designed with a **daily capacity of 20 m³/h**, the system includes specially produced FRP Tanks (48x72), electric-actuated valves, durable PVC-U piping, and an advanced touchscreen control panel with remote access. Using water sourced from shallow wells, the project successfully enhances overall water quality. Post-treatment results show significant reductions in ammonium, turbidity, hardness, and color—providing clean, safe, and pleasant-tasting water for village residents.

Parameter	Unit	Raw Water Entrance	ZeoSorb® Treated Water
Conductivity (EC)	µ/cm	440	397
pH	-	7.41	7.4
Ammonium	mg/l	0.19	< 0.05
Sulfate	mg/l	4.9	3.88
Hardness	°dH	14	9
Turbidity	NTU	2.13	0
Color	-	10	2

ZEOSORB



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