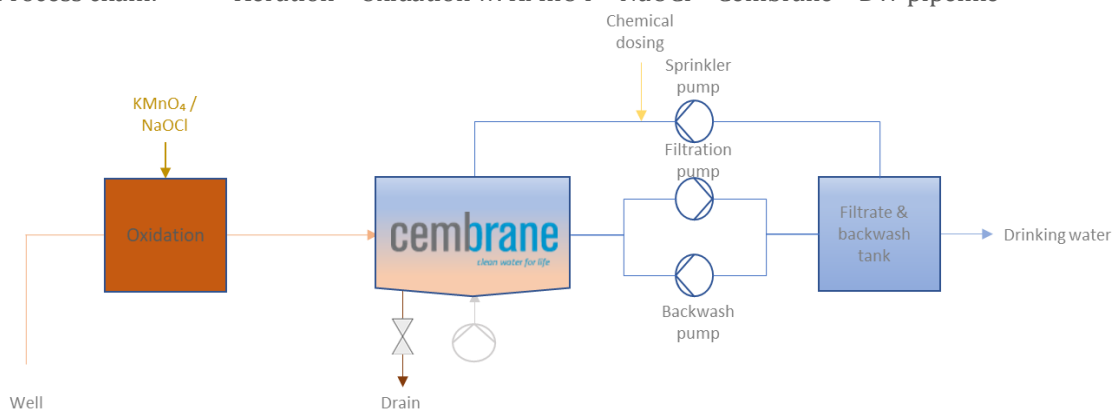


Cembrane used for drinking water treatment in Kazakhstan



- Location: Kazakhstan, Mayskiy Pavlodar region
- Capacity: 4150 m³/day
- Membrane area: 288 m² SiC ceramic membranes, 48 modules
- Water source: Ground water
- Purpose: Production of Drinking water for a 142 km pipeline
- Main challenge: Removal of high amounts of Iron (Fe) & Manganese (Mn)
- Process chain: Aeration – Oxidation w. KMnO₄ + NaOCl – Cembrane – DW pipeline



Parameter	Unit	Feed	Permeate
pH	-	6.8	7.9
Turbidity	NTU	9.5	<0.1
Color	Pt-Co	44	5
Iron	mg/l	12	<0.1
Manganese	mg/l	2.18	<0.01

To explore more references, visit: <https://www.cembrane.com/drinkingwater>