

## Mobile Drinking Water Treatment Hecklingen

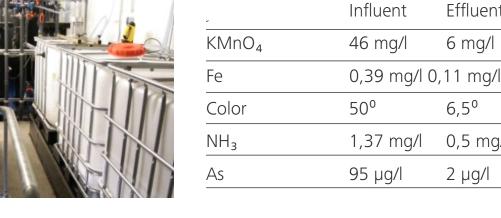


Based on newly developed treatment concept, WTE constructed a **mobile pilot plant** for future challenges in drinking water supply.

The installed technology with our unique treatment process has been successfully used for the piloting of a new drinking water plant.

Technical details

The pilot plant has a capacity of 3,000 liters per hour and includes multiple process steps with oxidation by aeration, bio-filtration with nitrification, ion exchange for reduction of the organic load, ion exchanger for removal of arsenic as well as a membrane stage.



Pilot trial results

Effluent

6 mg/l

6,5°

0,5 mg/l

2 µg/l

## The aim of the mobile drinking

water treatment is the development of a technically and economically optimum treatment concept for different water sources. A high operating stability and securing best water quality in the long term are a special focus. Furthermore, the pilot plant is characterized by very high flexibility for different processes in order to adapt to different raw water qualities.

The system concept is focused on: ⇒ Process selection and design for maximum recovery and efficiency; High operational reliability → through high level of automation; High process flexibility with the → possibility of combining and by-passing each treatment step.



