

# CLIMATE CHANGE MITIGATION MEASURES IN THE WASTEWATER SECTOR IN JORDAN

## Accompanying Measures Phase 1

### KEY FACTS

<b>REGION</b>	Irbid, Jordan
<b>CLIENT</b>	Water Authority of Jordan
<b>DATE</b>	05/2017 – 03/2019
<b>FUNDING</b>	Kreditanstalt für Wiederaufbau - KfW
<b>VALUE</b>	590,000 Euro
<b>PARTNERS</b>	n/a



WWTP WADI SHALALAH, 2017

### BACKGROUND

Within the framework of the struggle against the climate change, the Government of Germany and the Government of Jordan intend to finance the programme “*Climate Change Mitigation Measures in the Wastewater Sector in Jordan*” with the aim at supporting Jordan in addressing problems in the wastewater sector. These issues are closely linked to improper sewage sludge treatment and disposal, the lack of experience in the operation of WWTP’s using anaerobic sludge stabilisation and low energy efficiency performance, as well as the concerning impact on green-house gas emissions and climate change.

The Accompanying Measures Component of the project is planned for a period of 12 months and consists of training and capacity development for operation and maintenance of the wastewater treatment plants Central Irbid, Wadi Arab and Wadi Shalalah in northern Jordan.

### OBJECTIVES

The overall objective of the intervention (start May 2017) is, to ensure that the wastewater and sludge lines of the three plants are functioning and that the Yarmouk Water Company (YWC) as responsible operator is capable of fulfilling Jordanian effluent standards and a set of operation targets.

- Compliance of effluent quality of the treated wastewater with Jordanian Standards
- Rehabilitation measures of infrastructure components
- Optimisation of the operational performance of the three WWTPs
- Increase of biogas production rates
- Operation and optimisation of CHP units
- Capacity strengthening for improved operation and maintenance
- Improvement of energy efficiency parameters

## OPERATIONAL KNOWLEDGE TRANSFER FOR 3 WASTEWATER TREATMENT PLANTS