

ABU ARISH SEWAGE TREATMENT PLANT, JIZAN - KSA

ABU ARISH

Abu Arish is a community located in south of KSA, part of Jizan Province, close to the border of Yemen. Abu Arish has no sewerage network and waste water treatment plant. Before the new plant being built, tankers were discharging in a man made lagoon located approx 25 km away from the city. The STP location was chosen to be close to the lagoon.

**PLANT
CAPACITY
1,000 m³/day**



Abu Arish STP

Abu Arish STP is designed to receive waste water by tanker discharge from the surrounding community. The waste water is municipal sewage.

MENA-Water

MENA-Water provided the complete design, supply, installation, commissioning and startup for the whole plant 1,000 m³/day

Screening, grit removal, lifting station, aeration and MBR, storage for treated water and storage for sludge including drying beds and measuring instruments were the comprehensive scope of works.

The complete plant is operated by PLC and prepared for remote monitoring.

Equipment	Application
Screw Screen	Screening Removal
Manual Bypass	Bypass screening removal
Grit Trap	Sand removal
Grease trap	Grease & FOG removal
Stoplog	Flow control & regulation
Mixer and Aeration System	Biological treatment
MBR	Filtration
Blower	Aeration and scouring
Pumps	Grit pump
Instruments Field	Lifting pumps
MCC and PLC	MBR feeding
Generator	Permeate removal





MBR Container Sewage Plant



Screening Channel for Tanker Discharge



Mixer Aerator



Aerobic Tank



Air Blower for Aeration and MBR



The Effluent: Clean Water for Irrigation