

## MBR Container Sewage Plant MYSK AL BADAYER, Sharjah, UAE

### Mysk Al Badayer Retreat

Mysk Al Badayer Retreat is a 5 Star Resort located in the southern region of Sharjah. The resort is nestled within 230,000 square meters of prime desert is characterized by picturesque scenery and striking red dunes.

### About Project

The existing sewage collection tanks in the resort were not connected to the municipal sewage network, meaning the only available option to dispose the sewage generated at the hotel was by using a tanker to dispose the sewage at the nearest sewage treatment plant.



### Scope and Realization

In July 2020, MENA-Water was delighted to be awarded by NCC Mahmoud Naboulsi & Co Contracting (Main contractor) for the design, engineering, procurement, construction and deliver of the complete sewage treatment plant.

For this project, MENA-Water provided its advanced packaged Membrane Bio Reactor (MBR) system, specifically the MR25-U model. This state-of-the-art system is capable of delivering a high-quality treated sewage effluent that meets stringent standards, making it suitable for various applications such as irrigation.

To ensure seamless operation and efficiency, the treatment plant is equipped with a Programmable Logic Controller (PLC) and remote monitoring capabilities. This allows MENA-Water to provide continuous after-sales support to the client, facilitating prompt troubleshooting and maintenance whenever required.

We are proud to contribute our expertise and cutting-edge technology to this project, and we remain committed to delivering exceptional results and exceeding the client's expectations.

### System Benefit

- High Quality TSE for such sensitive location
- Eliminated tankering cost for sewage dispose
- Compact footprint thus minimizing land cost for the facility owner

### Technology and Advantages

- No odors emission or noise and low operation cost
- Simple management of the plant, as results of the high degree of automation.

Equipment	Application
Primary Treatment	Grit & Grease Removal
Buffer Tank & Equipment	Wastewater Equalization
Static Screen	Debris/ particle removal
Aeration Tank & Equipment	Biological Treatment
Inlet Strainer	Fine Screening
MBR Package Plant housing	Housing critical equipment
Chemical Dosing Units	Disinfection & Backwash
Control Panel with PLC & HMI	Process Control
Field Instrumentation	Equipment protection and process measurement