

DOMESTIC WASTEWATER TREATMENT PLANTS

Extension of Al Aweer Sewage Treatment Plant

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Location

Dubai / UNITED ARAB EMIRATES

Client

Dubai Municipality

Contractor

MASS

Completion Date

On going

Contract Value

23,493,000 EUR

Financial Resource

Dubai Municipality

Scope

Turn-key construction of the plant.

Plant Description:

Pre-Treatment

- Screening
- Aerated Grit & Grease Removal Chamber
- Flow Equalization
- Primary Sedimentation

Biological Treatment

- Activated Sludge System with Nitrification
- Secondary Sedimentation

Advanced Treatment

- High Rate Effluent Filtration

Disinfection

- Gas Chlorination of the Effluent

Sludge Treatment

- Sludge Thickening
- Anaerobic Sludge Digestion
- Sludge Dewatering with Centrifuge
- Sludge Drying with Belt Dryer

Odor Control

- Odor Removal with Three Stage Wet Scrubbers

Capacity

Flow	65,000 m ³ /day	
Population Equivalent	325,000 PE	
Parameter	Influent	Effluent
COD (mg/lit)	571	50
BOD ₅ (mg/lit)	254	10
TSS (mg/lit)	256	10
TKN (mg/lit)	50	5

MASS ARITMA SİSTEMLERİ İNŞAAT SANAYİ VE TİCARET A.Ş.

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