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## Chadormalu Mining Project – Sanitary WWTP

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**Project Aim:**

Sanitary waste water treatment to meet the requirement of API standard, by means of reuse in green space irrigation.

**Owner / Client:**

Chadormalu Mining & Industrial Complex / Chadormalu Mining & Industrial Co.

**Location / Completion Year / Duration:**

Chadormalu - Yazd Province – Iran / 2012 / 6 month

**Contract Type:**

EPC

**Represented Solution in This Project:****Main Solution:**

- ◆ Wastewater Reuse
- ◆ Wastewater Treatment Plant

**Supplementary Solutions:**

- ◆ Building and Infrastructure
- ◆ Hydraulic Structure /Concrete Reservoir and Basins
- ◆ EI and Inc.

**Complementary Services:**

- ◆ O&M Operation and Maintenance
- ◆ Procurement
- ◆ Laboratory Testing Services

**Employed Process and Technology:**

- ◆ MLE - (Modified Ludzack-Ettinger) process



**Fluid Characteristic:**

	Influent	Effluent
	Raw Water	Desalinated Water
Capacity	500 m <sup>3</sup> /day	500 m <sup>3</sup> /day
BOD	210 mg/L O <sub>2</sub>	< 50 mg/L O <sub>2</sub>
COD	440 mg/L O <sub>2</sub>	< 100 mg/L O <sub>2</sub>
TSS	230 mg/L	< 50 mg/L
TOC	150 mg/L	< 35 mg/L
TN (Total Nitrogen)	40 mg/L	< 10 mg/L
FOG (Oil & Grease)	50 mg/L	< 10 mg/L

**Block Flow Diagram:**

