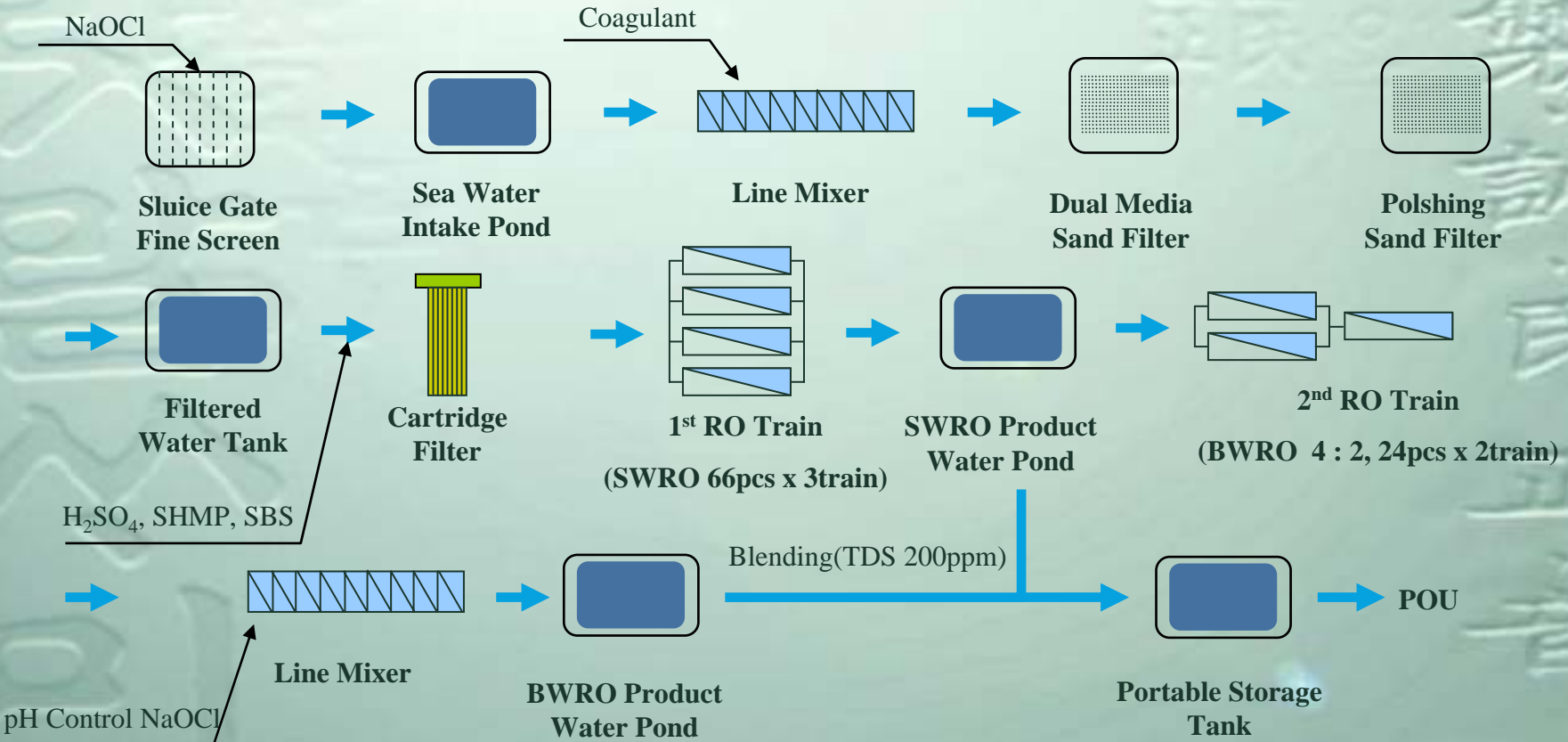


South Pars(Iran Assaluye)

- ❖ Drinking Water & Rinsing
- ❖ Hyundai Mobis

❖ Lay out of Equipment



Details of CSM Installation

Operating Duration

- ❖ Phase 2&3 '00. 9
- ❖ Phase 4&5 '03. 5

CSM Model

- ❖ 1st RE8040-SR / 198pcs
(66pcs x 3train)
- ❖ 2nd RE8040-BE / 48pcs
(24pcs x 2train)

Capacity of Equip.

- ❖ 1,800m³/day
- 1st RO 25m³/hr x 3train
- 2nd RO 25m³/hr x 2train

RO Array

- ❖ 1st RO 6elements/vessel
- ❖ 2nd RO 4 : 2
(4elements/vessel)

Feed Water

- ❖ TDS 35,000 42,000ppm
- ❖ pH 7.5 8.2
- ❖ 27 39

Remarks

- ❖ CIP : 1time/3 7days
- ❖ Citric Acid, NaOH, FeCl₃

Permeate Quality

- ❖ SWRO 800ppm
- ❖ BWRO 50ppm

Normalized Operating Log Data

❖ Phase 2&3 - SWRO

| BLOCK | PARAMETER | UNIT | '00. 10. 8 | '02. 6.18 | Remarks |
|-------|-----------------------|----------------------|------------|-----------|---------|
| A | Permeate Flux | M ³ /hr | 26.64 | 24.36 | 8.5% |
| | Differential Pressure | Kg·f/cm ² | 1 | 1 | |
| | Salt Rejection | % | 97.96 | 98.79 | 0.84% |
| B | Permeate Flux | M ³ /hr | 24.94 | 24.13 | 3.3% |
| | Differential Pressure | Kg·f/cm ² | 0.3 | 0.33 | 10.0% |
| | Salt Rejection | % | 97.17 | 98.03 | 0.86% |
| C | Permeate Flux | M ³ /hr | 28.06 | 25.65 | 8.6% |
| | Differential Pressure | Kg·f/cm ² | 1.47 | 0.33 | 77.6% |
| | Salt Rejection | % | 98.37 | 97.95 | 0.42% |

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