

» Wastewater / Sewage Water Reclamation



LG Siltron

Gumi, South Korea

Plant Information

- APPLICATION Ultra pure water
- PERMEATE CAPACITY 650 ton/hr
- PRETREATMENT Pressurized MF filtration System
- RO MEMBRANE TYPE Brackish Water RO Membrane
- RO MEMBRANE MODEL 1st PASS: **RE8040-BE**;
2nd PASS: **RE8040-BLN440**
- RO SYSTEM ARRAY 1st PASS - 20:10 2nd PASS 14:6
(double pass, 2 array, 6 elements per pressure vessel)
- INSTALLATION December 2007



General Information

LG Siltron produces polished wafers and epitaxial wafers in Korea, and RO membranes are used to produce ultra pure water for rinsing purposes. Brackish water RO membranes were installed in December 2007.

Technical Information

TOC value of feed and permeate water in 2pass R/O

	Unit	A Block	B Block	C Block	D Block
<i>Feed TOC</i>	ppb	357	357	357	357
<i>Permeate TOC</i>	ppb	19.4	31.0	19.1	27.5
<i>TOC Rejection</i>	%	94.6	91.3	94.7	92.3