Kranji Newater Plant Phase II
Kranji, Singapore

Plant Information

- **APPLICATION**: Secondary Effluent Recycling
- **FEED SOURCE**: MF Treated Secondary Effluent
- **PLANT CAPACITY**: 42,000 m³/day

Technical Information

- **RO MEMBRANE TYPE & MODEL**: Fouling Resistant RO Membrane: RE8040-FE
- **RO TRAIN ARRAY**: Phase 2 extension: 78: 20
  (Single pass, 2 array, 7 elements per pressure vessel)
- **SYSTEM RECOVERY**: 75%
- **PRETREATMENT**: Pressurized MF System
- **INSTALLATION**: Feb. 2006

General Information

The NEWater Factories at Bedok and Kranji Water Reclamation Plants operated by PUB were commissioned at the end of 2002. Following that, since February 2003, NEWater has supplied water to wafer fabrication plants at Woodlands and Tampines/Pasir Ris and other industries for non-potable use. Total permeate capacity at the Kranji Water Reclamation Plant including RO phase 1 and 2 has been extended to 19 MGD in August 07. The Kranji Water Reclamation Plant will supply water to the microelectronics industry with a small amount supplied for indirect potable reuse. The Singapore government intends to supplement up to 2.5% of drinking water from NEWater plants by 2011.