

» Wastewater Reclamation



# PUB Bedok Phase II Expansion

## Bedok, Singapore



### Plant Information

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|---------------------|--|
| • APPLICATION       | Secondary Effluent Reclamation                               |
| • PRETREATMENT      | Pressurized MF filtration System                             |
| • PERMEATE CAPACITY | 56,000 MLD (8,000 MLD x 7 trains)                            |
| • RO MEMBRANE TYPE  | Low Pressure type , 16 inch RO membrane                      |
| • RO MEMBRANE MODEL | <b>RE16040-BLR</b>   |
| • RO SYSTEM ARRAY   | 12:6 (Single pass, 2 arrays, 4 elements per pressure vessel) |
| • OEM               | Grahamtek Singapore Pte Ltd.                                 |
| • INSTALLATION      | June 2008  |

### General Information

This site is the world's first reclamation plant to use 16 inch RO membranes. With more than 10 months of pilot testing at various sites prior to installation at Bedok, CSM's 16 inch RO membrane has shown optimal levels of performance and durability at NEWater processing plant in Singapore.

### Technical Information

N/A (Confidential)