

# MOBILE DEWATERING

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## Water Table Management & Pump Hire

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To: Whom it may concern Date: 16/03/05

From: James Sebbes

Re: Dewatering Filtration System – Raffles Hotel Redevelopment

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Our company Mobile Dewatering is contracted to Multiplex Construction to carry out the Dewatering at the Raffles Hotel site, situated on the Swan River foreshore in WA.

Strict environmental laws prevented us from discharging the groundwater from the site into the Swan River or stormwater system. The initial water sampling did not meet the acceptable criteria of the Swan River Trust or the Department of Environment. The unacceptable criteria were the extremely high Iron levels.

After an extensive search for a solution that was both effective and cost efficient we were advised to contact Quantum Filtration Medium P/L. They recommended their new water filtration media DMI-65. We were assured that their product DMI-65 would remove the iron and manganese to a level that would enable us to discharge the treated water into the Swan River as required by the DoE and the SRT.

The filter system was commissioned within 1 day with immediate results. The SRT and the DoE were sceptical at first but soon became very interested in the filter system once the results were maintained. A number of representatives from their departments have attended the site to see the system working. They are receiving all testing reports and are treating our project as a trial for possible future use in their Departments.

The filter system has now been in place since July 2004 and is pumping 10,800l/h of water directly into the Swan River. The raw water at its highest was 14mg/L and the treated water is now at 0.30mg/L (test 87335 dated 25/02/05).

Apart from the amazing results we have received from day one and continue to receive, the filter system itself was not expensive compared to the other methods available. We do not have to adjust or touch the filter system other than to ensure that the chlorine level is maintained.

The DMI-65 filter media has made treating the discharge water on this project very simple with excellent results. The DoE & the SRT were delaying this major project until a solution could be found. Without the filter system the discharge problem would have become very expensive and complicated. Photos of the Raffles Redevelopment Project can be viewed on our website [www.mobiledewatering.com.au](http://www.mobiledewatering.com.au).

We would recommend the DMI-65 filtration media for removing Iron and Manganese.

Regards,  
James Sebbes (2IC)