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For Immediate Release-

PRESS RELEASE

CPA3 brings Bayswater Power Station up to date down under.

Oceanside, CA... Hydranautics, the global leader in membrane technology, has been selected to provide 1,344 CPA3 reverse osmosis elements for the A\$80M water treatment facility upgrade at Bayswater Power Station in New South Wales, Australia. This state of the art upgrade allows Bayswater, together with sister plant Liddell, to continue producing 40% of New South Wales' energy while increasing water conservation and improving efficiency of water use. It will also improve the water quality in nearby Lake Liddell, a man made lake fed by the Hunter River. Lake Liddell provides both feedwater and storage for both plants – and is a popular recreational lake for the surrounding communities.

Bayswater pumps out 2,640 MW of electricity per day – the bituminous coal fuel used for power generation requires massive amounts of cooling water, which in turn requires careful processing to reduce scalant causing impurities. Providing 11,000 GPD of flow with 99.7% nominal salt rejection and 400ft² of active membrane area, the CPA3's were a perfect fit for the power plant's water treatment needs. However, the project did present a challenge as the CPA3 is an 8" element while the pressure vessels at Bayswater are sized at 8.5". Hydranautics came up with a simple yet innovative solution – a special brine seal adaptor of proprietary design that was created to align the membranes in the vessel for best performance.

Bayswater Power Station is part of Macquarie Generation, the largest power generation company in Australia. Macquarie Generation selected Veolia Water Solutions & Technologies (VWS) for the A\$80M upgrade contract. VWS selected Hydranautics CPA3 reverse osmosis elements to fit with a company-wide commitment to responsible environmental management through innovation-driven solutions

Based in Oceanside, California with sales offices worldwide, Hydranautics was founded in 1963, in 1987 became part of the multi-billion dollar Nitto Denko Corporation based in Osaka, Japan. Hydranautics manufactures reverse osmosis, nanofiltration and other membrane products for water treatment applications around the world.

For more information on how Hydranautics can solve your most demanding surface water problems call today for more information at 1-800-CPA-PURE or visit Hydranautics online at www.membranes.com.

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