

## NEW Downward Opening Penstock for Municipal Applications

In response to industry standards and best practice procedures, AWMA have developed a vertical flow control penstock designed specifically for the decanting process in municipal industries.

The new AWMA Downward Opening Penstock is typically used to regulate or control flows. It is a proven alternative to decant weirs, decant penstocks and overshot regulators.

A research and development program was undertaken to produce an overshot product utilising the 'decanting method' that increases functionality, accuracy and innovative alternatives for the municipal market. Advances in technology and materials have also facilitated the development and custom designed features of this type of infrastructure.

AWMA have made significant advancements on the traditional decant gate design. The design for AWMA's Downward Opening Penstock provides a downward opening mechanism with an on and off-seating seal arrangement for an exceptional water-tight seal when fully closed.

AWMA's Downward Opening Penstock may be manufactured from marine grade aluminium or stainless steel and can be operated via manual, automated or SCADA connected actuation systems.

AWMA's Downward Opening Penstock was custom designed for recent works at Melbourne Water's Eastern Treatment Plant (ETP). Among other significant works underway at ETP, the AWMA gate upgrades contribute toward Melbourne Water's commitment to continually improving ETP's environmental performance.

The Downward Opening Penstock was selected for this project for both its operational benefits and its customised features. Manufacturing a product incorporating the decant design ensures the gate lifts straight up with a dual spindle to meet best practice procedure for wider flow control gates utilised within the industry.

Accurate and site specific installation is another key element of any successful flow control infrastructure. AWMA is the only company in Australia who directly employ a dedicated installation team, available Australia-wide.

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