

WTP UPGRADE

Across Australia, many urban water facilities are being upgraded, expanded, or constructed as greenfield sites in response to increasing population demands and the growing need for sustainable water management. A key focus of these developments is the move towards tertiary treatment standards, enabling the safe and effective reuse of recycled water for environmental flows, on-site processes, and the irrigation of parks and sporting fields.

AWMA continues to support this process, playing a critical role in delivering custom-engineered water control solutions. In fact, the majority of water treated in Australian cities passes through AWMA water control infrastructure.

In a recent example, AWMA was engaged by an urban water delivery team to supply tailored

penstocks, stopboards, and flap gates for a treatment plant undergoing refurbishment. The penstocks and stopboards were integral for isolating various process areas for maintenance and inspection purposes, while the flap gate was installed to prevent backflow during storm events.

The Project Manager leading the works shared his experience: "The completion date for manufacture was originally set for January 2025. However, it soon became clear the penstocks were on the critical path and needed to be installed by December 2024. To meet this requirement, the AWMA team meticulously planned every step, from the design phase through to manufacture, testing, and delivery, ensuring there were no delays and keeping us informed throughout the process. As a result, all deliveries were completed by November, giving us confidence that installation would be as scheduled. Despite various challenges, AWMA demonstrated the ability to handle significant

projects with short lead times. Their commitment to teamwork, problem-solving, and delivering high-quality outcomes was most valuable to us."

Additionally, "AWMA's ability to adapt to our evolving needs and maintain open communication throughout the project was instrumental in our success. The high-quality products and solutions they provided have significantly enhanced our operations."

"AWMA's dedication to excellence and their proactive approach were truly commendable."

Projects like these play a critical role in supporting the needs of urban water extensions. They are required to enhance the performance, efficiency, and environmental compliance of water management systems.

GENERALLY SPEAKING

As we move into 2025, AWMA is prepared for another year of growth and success, driven by a series of significant, high-profile projects that will shape our production pipeline.

Our ability to deliver specialised water control gates, debris exclusion screens, and flood mitigation systems continues to see strong market demand, reinforcing our position in the industry.

The success of recent projects and strong engagement with our clients highlight AWMA's ability to collaborate effectively with project partners to deliver specialised solutions for challenging sites. This capability has been further strengthened by the addition of 29 new employees in 2024, bringing a wealth of experience and expertise to our team. Their contributions will enhance our corporate capabilities, improve operational performance, and drive continuous innovation, ensuring that we remain at the forefront of our industry.

Our thoughts are with those affected by the recent extreme weather events. These challenges reinforce the importance of our mission, and we remain committed to finding innovative solutions to mitigate flood risk and protect communities.

In 2025, AWMA will once again participate in a range of industry events within the water, dams, flood and screen sectors across Australia and New Zealand. We look forward to connecting with you at these events or partnering with you on your water infrastructure projects. With increased capacity, our sales and engineering teams will be on-site more frequently, and we encourage you to leverage our expertise in developing innovative, high-performing solutions tailored to your needs.

Thank you for your continued support. We look forward to another successful year of collaboration and innovation.



Brett Kelly
Managing Director

awma
Water Control Solutions

INTRODUCING SHANE BURNS

AWMA is pleased to announce the appointment of Shane Burns as our General Manager.

With over 20 years of leadership experience in business transformation, large-scale infrastructure projects, and operational excellence, Shane brings invaluable expertise to AWMA. His background spans the Manufacturing, Energy, and Industrial sectors, making him well equipped to drive our continued success.

Reflecting on his new role, Shane shares:

"AWMA has built a strong reputation for engineering, designing, and manufacturing world-class water control and screening solutions. My focus is on strengthening this legacy, enhancing operational performance, fostering a culture of innovation, and harnessing emerging technologies to keep AWMA at the forefront of the industry."



Shane acknowledges the challenges facing Australia's manufacturing sector, from labour and energy costs to regulatory pressures, but views them as opportunities. Through collaboration with industry partners, he is committed to driving end-to-end solutions, improving productivity, and elevating customer satisfaction.

Having recently relocated from Queensland to Victoria, Shane and his family are embracing their new community. Please join us in welcoming Shane to AWMA.

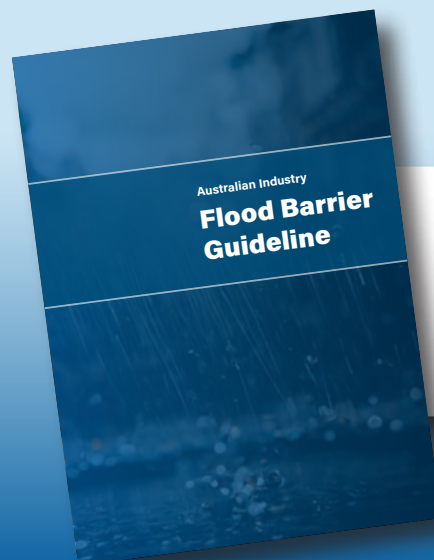
AUSTRALIAN INDUSTRY FLOOD BARRIER GUIDELINE

AWMA's FloodFree team, in partnership with industry representatives, are excited to share Australia's first Flood Barrier Guideline.

Flood barriers are a proven and effective method for mitigating flood risk. This guideline offers valuable guidance on barrier functionality, key design principles, construction factors, and installation requirements.

By providing stakeholders with this essential information, the guideline supports informed decision-making, helping to implement tailored flood mitigation solutions that safeguard people, property, and infrastructure from the damaging effects of flooding.

For questions or comments, please reach out to AWMA's FloodFree team.





RIVERFRONT OFFICES FLOODFREE

Situated along the Brisbane River, this riverfront office space is highly vulnerable to flooding during extreme weather events.

To safeguard the building and ensure business continuity, a comprehensive flood protection system has been supplied, featuring a range of ten demountable flood barriers custom-designed to protect critical areas of the building.

Demountable Flood Barriers provide a reliable defence against rising water levels and are

designed for rapid, manual deployment. The barriers have been strategically placed to secure multiple entry and exit points, including external stairways, pump rooms, driveways, the basement, multiple lifts, a communications room, and bathroom areas.

Barrier sizes vary to accommodate different openings, from small doorways to large-scale areas spanning up to 7 meters wide and 2 meters high. To enhance structural integrity, centre posts and props were incorporated into the design of larger barriers or those expected to be exposed to significant water pressure, debris impact, and other forces.

By implementing this advanced flood mitigation solution, the riverfront office is now significantly more resilient to potential flood risks. This proactive approach not only protects the physical infrastructure but also minimises disruptions to business operations, ensuring long-term security for occupants and stakeholders.

FISH-FRIENDLY WATER EXTRACTION

AWMA were engaged by Southern Queensland Landscapes to deliver screening solutions for Fish-Friendly Water Extraction Projects in the Queensland section of the northern Murray-Darling Basin.

Each year, large numbers of native fish are lost when drawn into irrigation pumps and channels, causing extensive damage to infrastructure. Installing innovative, self-cleaning fish protection screens at water extraction points addresses this issue.

AWMA's range of purpose-engineered intake screens are suitable for pumping stations and gravity-fed systems of all sizes and flow rate requirements. These screens protect aquatic life, improve water quality, increase efficiencies and reduce maintenance costs for asset owners.

The fish-friendly screens are designed with a large screen surface area to reduce velocities at the intake, preventing fingerlings and fish from being drawn into the system. The internal and external brush-cleaning mechanism cleans the screen to maintain the necessary flow rates and reduce biofouling.

By protecting fish, supporting farmers, and enhancing river health, the Fish-Friendly Water Extraction Project demonstrates how innovation and collaboration can drive a more sustainable future for the Murray-Darling Basin.



FLOOD PROTECTED PUMP STATION

The Wodonga Raw Water Pumping Station is a vital part of the region's water infrastructure, but its location alongside the Wodonga Creek makes it vulnerable to flooding during periods of rising water levels.

To enhance the plant's flood resilience, a surrounding levee wall was constructed and a FloodFree removable flood barrier supplied.

The site's entry and exit point is now protected by a Demountable Flood Bulkhead Barrier. The barrier spans 5000mm in length and stands 1800mm high, engineered to withstand extreme conditions. The barrier, weighing 1045kg, has been designed in two segments for ease of deployment.

By implementing this flood mitigation solution, the Wodonga Pump Station is now better equipped to withstand extreme weather events, safeguarding essential infrastructure and ensuring continued plant operations during periods of high water levels.

RECENT PROJECT GALLERY

INNOVATIVE - CUSTOMISED - SUSTAINABLE



Segmented stopboards for an urban water application



How effective are your Debris Exclusion Screens?



Modular FloodFree Bulkhead



Tilting Flood Barrier



In-house Hydrostatic Testing



In-house Training Sessions



FloodFree Public Transport



AWMA LayFlat on the Test Slab



In-house testing of Install Procedure

AWMA IS EXHIBITING AT THESE MAJOR EVENTS IN 2025

EVENT	DATE	LOCATION
Floodplain Management Australia Conference (FMA)	13 – 16 May 2025	Pullman Melbourne
Ozwater'25	20 – 22 May 2025	Adelaide Convention Centre
Water New Zealand Conference & Expo	25 Sept – 3 Oct 2025	Christchurch, NZ
NZSOLD ANCOLD	19 – 20 Nov 2025	Christchurch, NZ

FLOOD | ENVIRONMENTAL | IRRIGATION | WATER TREATMENT | DAMS | ENERGY & RESOURCES



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