

Wastewater Systems Design & Management Workshop



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BRISBANE SEMINAR - 28 MAY 2025

Do you need to treat wastewater? Not sure how to achieve discharge compliance?
Is your wastewater treatment plant operating poorly? Do you want to reduce operational costs?
Have you recently installed new equipment?
Then this workshop is for you!

Many companies need to install, operate and manage wastewater treatment systems to remain in compliance with discharge requirements. This also means dealing with the waste streams that the treatment plant produces. To help sites better manage their wastewater systems, ASBG together with the Hydroflux Group have put together this workshop to explain the range of treatment processes available and how to comply with regulatory requirements, always striving for the lowest total operating costs. This course covers:

- ✓ Overview of Urban Utilities trade waste policy and agreement structure.
- ✓ Discharge limits direct to waterways under Environment Authorities looking at the AWQG2018.
- ✓ Upstream focus on cleaner production and reducing the load on the treatment plant.
- ✓ **Treatment systems covered:**
 - **Preliminary treatment** → Screening and balancing.
 - **Physical separation** → Dissolved air flotation, filtration, settling systems, dewatering, screening, filtration, RO and management of sludge etc.
 - **Biological** → The process of BOD reduction using activated sludge, anaerobic vs. aerobic.
 - **Chemical treatments** → Understanding coagulants and flocculants, filter aids etc.
- ✓ Solid and liquid waste management costs and how to reduce them.
- ✓ Carbon reduction initiatives → Emerging trends towards carbon neutral industry.

Details at a glance

Date: 28 May 2025 – Brisbane
Time: 8:30 am – 5:15 pm; Registration from 8:20 am
Venue: The Glen Hotel, Eight Mile Plains

WASTEWATER SYSTEMS DESIGN AND MANAGEMENT - AGENDA

8:20 am	Registration and tea/coffee	
8:25	Welcome and introduction	
8:30	Overview of trade waste policy – Trade waste agreement process, discharge limits and billing structures.	Fiona Irwin, Urban Utilities
9:10	Approval for direct discharge to stormwater and waterways – Navigating the DES’s regulatory systems, process, AWQG2018 and what to expect.	Andrew Doig, ASBG
9:50	The major costs of treating wastewater – A look at the main costs of treating water including a real example of a trade waste agreement	James Hall, Hydroflux Industrial
10:35	Morning tea and networking	
10:50	An introduction to wastewater treatment – A review of the four fundamental process steps of industrial water treatment and what each step achieves.	Mitch Hastings, Hydroflux Industrial
11:30	Preliminary treatment – What is preliminary treatment and why is it important? A look at the two main process steps used to undertake preliminary treatment.	Matthew Foster, Hydroflux Industrial
12:00	Lunch	
12:45	Primary treatment overview – Why do primary treatment? Learn the secret to making it work effectively, including a discussion on primary treatment chemistry.	Ambrose Mollenhauer, Hydroflux Utilities
1:00	Primary treatment equipment – Dissolved Air Flotation and clarifiers explained.	Jimmy Zhang, HI
1:50	Secondary treatment – What it does and how it works. Aerobic vs anaerobic.	Ambrose Mollenhauer
2:20	Tertiary treatment process – Filtration, disinfection and reverse osmosis.	Mitch Hastings
3:05	Afternoon tea	
3:25	Sludge management – Dewatering options to reduce offsite disposal costs.	James Hall
4:00	Carbon Neutral – Strategies and advantages from carbon reduction initiatives.	Sorrell Handforth, Cress Consulting
4:30	WORKSHOP – Participants are invited to bring their own wastewater treatment problems along and have them analysed by our team of experts.	All
5:15	Close	

PRICE (incl. GST)	VENUE	DATE
ASBG members and Hydroflux clients Face to face \$475 Non-Member \$550 E-notes included in the package, includes catering	The Glen Hotel Cnr Logan Rd & Gaskell Street Eight Mile Plains, QLD	28 May 2025 8:30 am to 5:15 pm

All attendees to receive slides from the presentations and certificates of attendance (useful for CPD points).

Phone: 0407 238 258 for info.
Email: asbg@asbg.net.au
Other courses: www.asbg.net.au



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Cancellation: If you are unable to attend, a substitute delegate from your organization is welcome at no extra charge. No refunds for cancellations in writing closer than 3 working days from the event no refunds can be made, but notes will be forwarded following the event. See [ASBG's terms](#) for details. A **Tax Invoice** will be issued for each registration. **Confirmation** will be provided one week prior to the course if registration received.

