



WASTEWATER SYSTEMS DESIGN AND MANAGEMENT WORKSHOP

Organised by:



Sponsored by:



28 February 2019, SYDNEY

**Is your wastewater treatment plant operating well?
Do you need staff training in this area? Do you want to cut the costs of running your plant?
Have you recently installed new equipment?**

Many companies need to operate and manage their wastewater treatment systems to remain in compliance and reduce high costs associated with sewage and waste disposal. To help sites better manage their wastewater systems this workshop takes you through the range of processes and regulatory requirements needed to select and operate your wastewater system at its optimum level.

This course covers:

- ✓ Overview of Sydney Water's Tradewaste policy and agreement processes
- ✓ Discharge limits and approaches under Environment Protection Licences
- ✓ Upstream focus on cleaner production and reducing the load on the treatment plant
- ✓ An indepth look at a Sydney Tradewaste Agreement
- ✓ **Treatment systems covered**
 - **Preliminary Treatment:** → Screening and balancing
 - **Chemical conditioning:** → Understanding coagulants and flocculants, filter aids, etc.
 - **Primary Treatment** (physical separation): → Dissolved air flotation, clarifiers
 - **Secondary Treatment** (biological): → The process of BOD reduction using activated sludge
 - **Tertiary Treatment:** → Ultrafiltration and reverse osmosis
- ✓ Solid and liquid waste management costs, and how to reduce them

Details at a glance

Date: 28 February 2019 - Sydney
Time: 8:30 am – 5:00 pm Registration from 8:20 am
Venue: Dooleys Waterview
Clyde Street, SILVERWATER

WASTEWATER SYSTEMS DESIGN AND MANAGEMENT WORKSHOP - AGENDA

8:20	<i>Registration and Coffee</i>	
8:30	Welcome and Introduction	ASBG
8:35	Overview Of Trade Waste Policy - sewer limits and changes to Sydney Water's standards including proposed charge rates e.g. BOD increases	Dr Para Parameshwaran , Sydney Water
9:00	Other Regulatory Issues , limits & legal processes of wastewater and its by-products	Andrew Doig , ASBG
9:30	The Major Costs of Treating Water - A look at the main costs of treating water including an indepth look at a Sydney Water Tradewaste agreement.	James Hall , Director Hydroflux Industrial
10:15	Morning Coffee and Networking	
10:30	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
11:00	Preliminary Treatment - What is preliminary treatment and why is it important? A look at the two main process steps used to undertake preliminary treatment.	Mathew Pugh , Director 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.	Bruce Willis , Director Hydroflux Utilities
1:30	Primary Treatment Equipment - DAF and clarifiers explained.	Mathew Pugh
2:00	Secondary Treatment - Understanding aerobic biological treatment - how it works.	Bruce Willis
3:15	Afternoon Tea	
3:30	Tertiary Treatment - Filtration, disinfection and reverse osmosis.	Mitch Hastings
4:00	Sludge Dewatering - Why dewater? How to reduce off-site disposal costs.	James Hall
4:30	WORKSHOP - Participants are invited to bring their own wastewater treatment plant problems with them and have them analyzed by our team of experts	All
5:00	Close	

PRICE (inc GST)	VENUE	DATE and TIME
ASBG, NSW BC members, Hydroflux clients and supporters \$395 Non-members \$495 E-notes, morning tea included in the package	Dooleys Waterview Clyde Street SILVERWATER	28 February 2019 8:20 am – 5:00 pm

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WSDM Seminar and
Workshop

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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.