

# Wastewater Systems Design & Management Workshop



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## 24 AUGUST 2017, 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 Trade Waste policy and agreement processes
- ✓ Discharge limits and approaches under Environment Protection Licences
- ✓ How to negotiate changes to your discharge conditions
- ✓ Upstream focus on cleaner production and reducing the load on the treatment plant
- ✓ **Treatment systems covered**
  - **Physical separation:** → Dissolved Air Flotation, filtration, settling systems, dewatering, screening, filtration, RO and management of sludge
  - **Biological:** → BOD reduction using MBRs, activated sludge, anaerobic digestion and the latest technologies etc
  - **Chemical treatments:** → use of coagulants, flocculants, filter aids, chemical destruction etc
  - **Maintenance and operations:** pumps, mechanical, chemical and process control
- ✓ Waste and liquid waste management and costs and how to reduce them

### Details at a glance

Date: 24 August 2017 - Sydney

Time: 8:30 am – 5 pm; Registration from 8:20 am.

Venue: Dooleys Waterview Club, crn Clyde Street,  
and Silverwater Road Lidcombe

# WASTEWATER SYSTEMS DESIGN AND MANAGEMENT - AGENDA

8:40 am	Registration and Coffee	
8:30 am	Welcome and Introduction	ASBG
8:35	<b>Overview Of Trade Waste Policy</b> — sewer limits and changes to Sydney Water's standards including proposed charge rates e.g. BOD increases	<b>Dr Para, Parameshwaran, Sydney Water</b>
9:15	<b>Other regulatory issues</b> , limits and legal processes involving waste water and its by-products	<b>Andrew Doig, ASBG</b>
9:45	<b>Introduction to Trade Wastewater Treatment</b> ; What is there to treat? An overview of the mechanisms of treatment. Treatment options – Pre-treatment, Primary treatment, Secondary (Biological) treatment and advanced treatment options	<b>James Hall, Hydroflux Industrial</b>
10:30	<b>Morning coffee and Networking</b>	
10:50	<b>Pre-treatment and Primary Treatment processes</b> - screening, balancing, DAF and clarifiers, chemical conditioning processes (coagulants and polymers)	<b>James Hall, Hydroflux Industrial</b>
	<b>Biological treatment</b> : how it works, activated sludge, trickling filters, anaerobic and advanced systems → low energy usage; low footprint	<b>Bruce Willis Director, Hydroflux Utilities</b>
12:00 pm	<b>Lunch</b>	
1:00	<b>Secondary Treatment Processes</b> – aerobic and anaerobic biological systems to further reduce BOD	<b>Bruce Willis, Hydroflux Utilities</b>
1:50	<b>Sludge Management</b> – dewatering options to reduce offsite disposal costs	<b>Mitch Hastings, Hydroflux Industrial</b>
2:20	<b>Tertiary Treatment Process</b> --. – Filtration, Disinfection and Reverse Osmosis	<b>Mitch Hastings, Hydroflux Utilities</b>
3:05	<b>Afternoon Tea</b>	
	<b>WORKSHOP</b> - Participants are invited to bring their own wastewater treatment plant problems with them and have them analyzed by our team of experts	
5:00	<b>Close</b>	

PRICE (incl GST)	VENUE	DATE
ASBG, NSW BC members, Hydroflux clients and supporters <b>\$395</b> Non-Member <b>\$495</b>	<b>Dooleys Waterview Club Crn Clyde and Silverwater Road SILVERWATER</b>	<b>8:30 am - 5 pm 24 August 2017</b>

E-notes, morning tea is included in the package

REGISTER ME FOR THE  
*Wastewater  
Systems Design  
Workshop*

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Expiry date \_\_/\_\_/\_\_

**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.