



Wastewater Operator Pre-Conference

Tuesday, February 4, 2025

****PROGRAM IS SUBJECT TO CHANGE****

Time	Topic	Title	Presenter
7:00 a.m. to 7:30 a.m.	REGISTRATION		
8:00 a.m. 8:30 a.m.	Activated sludge: Aeration	Fundamentals	Graham McCarthy
8:30 a.m. to 9:00 a.m.		Dynamics	
9:00 a.m. to 9:30 a.m.		Energy	
9:30 a.m. to 10:00 a.m.		Mixing	
10:00 a.m. to 10:30 a.m.		Design	
10:30 a.m. to 10:45 a.m.	BREAK		
10:45 a.m. to 11:30 a.m.	Energy efficiency	Testing & Diagnostics	Graham McCarthy
11:30 a.m. to 12:00 p.m.		Sustainable Practices	
12:00 p.m. to 12:30 p.m.	LUNCH		
12:30 p.m. to 1:45 p.m.	Densification	Introduction	Matt Reeve
1:45 p.m. to 2:00 p.m.	BREAK		
2:00 p.m. to 3:00 p.m.	Membranes	Introduction of Membrane Bioreactors;	Grant MacInnis
		MBR Equipment and Process Flows	
		Membrane Cleaning and Maintenance	
3:00pm to 3:15pm	BREAK		
3:15 p.m. to 4:15 p.m.	Densification in Membrane Bioreactors	Sludge Filterability and Time-To-Filter	Matt Reeve
		Case Study	
		Impacts to Bioreactor Performance and Energy Efficiency	
4:15 p.m. to 4:30 p.m.	Q&A		