



NSW Aquaculture Association Inc
Serving the Aquaculture Industry since 1994

Aquatic Technologies
International, Inc.



Department of
Primary Industries

Aqua Food Production Systems

Workshops for Recirculating Aquaculture Systems (RAS) Technology and Aquaponics; May 18, 19, and 20, 2019

Soldiers Point Bowling Club and Tailor Made Fish Farms, Bobs Farm, New South Wales, Australia

**** This agenda is subject to change prior to workshop ****

Saturday 18 May	Registration opens 07:30 Start time 08:00, please arrive by 07:45 RAS Session Day 1	Presenter	Workbook Page
0730 - 0800	Registration		----
0800 - 0810	Welcome and Introductions - Rob McCormack, Secretary/Treasurer, NSW Aquaculture Association, Inc.		
0810 - 0830	Government Requirements in Getting Started - Graeme Bowley, Senior Policy Officer - Aquaculture, Fisheries NSW		
0830 - 0845	Off-Grid Energy Australia and Aquaculture - Damien Griffith, Business Development Mgr., Off-Grid Energy Australia		
0845 - 1000	Critical Considerations in Recirculating Aquaculture Production Systems	Dr. Tom Losordo	
1000 - 1015	MORNING TEA		
1015 - 1115	Tank Hydraulics and Settleable Solids Removal	Dr. Tom Losordo	
1115 - 1200	Suspended Solids Removal Technologies	Dr. Tom Losordo	
1200 - 1300	LUNCH (Provided)		
1300 - 1345	Nitrification Processes and Biofilter Components	Dr. Tom Losordo	
1345 - 1430	Aeration and Oxygenation Processes in Recirculating Aquaculture Systems	Mr. Dennis DeLong	
1430 - 1500	Carbon Dioxide Control in Intensive Aquaculture Systems	Mr. Dennis DeLong	
1500 - 1515	AFTERNOON TEA		
1515 - 1600	Fine and Dissolved Solids Removal	Dr. Tom Losordo	
1600 - 1630	Planning and Building Recirculating Aquaculture Systems	Mr. Dennis DeLong	
1630 - 1700	Question and Answer, Wrapup, Evaluations	All	----
1700	ADJOURN, END OF DAY 1		
Sunday 19 May	Start time 08:00, please arrive by 07:45 RAS Session Day 2	Presenter	Workbook Page
0800 - 0815	Question and Answer		----
0815 - 0900	Denitrification in Aquaculture	Mr. Dennis DeLong	
0900 - 0945	Management and Operation of Recirculating Aquaculture Systems	Mr. Dennis DeLong	
0945 - 1000	MORNING TEA		
1000 - 1100	Mass Balance Analysis and Recirculating Aquaculture Systems; Dynamic Modelling	Dr. Tom Losordo	
1100 - 1200	Advancements in Solid Waste Capture and Treatment	Dr. Tom Losordo	
1200 - 1300	LUNCH (Provided)		
1300 - 1330	Disease Prevention and Control in Intensive Aquaculture Production Systems	Mr. Dennis DeLong	
1330 - 1400	UV Light and Disinfection	Mr. Dennis DeLong	
1400 - 1500	Biofilter Economics: Comparative Costs of Different Biofilter Types	Dr. Tom Losordo	
1500 - 1515	AFTERNOON TEA		
1515 - 1600	Considerations in RAS Design	Dr. Tom Losordo	
1600 - 1645	RAS Designs and Layouts	Dr. Tom Losordo	
1645	Farm Tour - Tailor Made Fish Farms, (allow 30 mins. to drive from conference centre)		
1830	CONFERENCE DINNER (Tailor Made Fish Farms Cookabarra Restaurant)		
	ADJOURN, END OF RAS WORKSHOP		----
Monday 20 May	Aquaponics Sessions Day 3: Start time 0900 hours, please arrive by 0845	Presenter	Workbook Page
0900 - 0915	Question and Answer		----
0915 - 1030	Aquaponic Theory, System Types and Approaches	Dr. Wilson Lennard	
1030 - 1045	MORNING TEA (Provided)		
1045 - 1200	Crop Protection, Environment and Light	Dr. Wilson Lennard	
1200 - 1300	Aquaponic System Design and Construction	Dr. Wilson Lennard	
1300 - 1400	LUNCH (Provided)		
1400 - 1500	Water Chemistry and Testing	Dr. Wilson Lennard	
1500 - 1600	Plant Production and Propagation	Dr. Wilson Lennard	
1600 - 1615	AFTERNOON TEA (Provided)		
1615 - 1745	Management and Economic Realities	Dr. Wilson Lennard	
1745 - 1800	Question and Answer, Wrapup, Evaluations	All	----
1800	ADJOURN - END OF AQUAPONICS WORKSHOP		----