



ABN 96 053 888

AGCSA Water Management Workshops

In 2007 the Australian Golf Industry Council (AGIC) conducted research into how the current drought and subsequent water restrictions have impacted Australian golf courses. Alarming, the study found that only 40% of golf courses across the country had a formal water management plan in place.

To fill this void, 2009 saw the AGCSA launch its online 'Water Management Review'. A component of the AGCSA's Water Management Initiative, the review is aimed at golf clubs that do not have a water management plan and provides golf course personnel with an easy to use template. The review comprises a detailed online questionnaire, which when completed will generate a comprehensive report outlining your clubs current water status. The management review also identifies and outlines where efficiencies can be made.

To help assist golf clubs to implement the Water Management Review, the AGCSA will be conducting a series of workshops whereby attendees will have access to a computer. Please Note: Places are limited so book early to guarantee a spot.

The workshops will be facilitated by the AGCSA's John Geary.
To access the Water Management Review please visit the AGCSA'S Water Initiative web portal;
<http://water.agcsa.com.au/water-management-review>

WHERE: QUEENSLAND

IT Training Solutions

Thurs, September 2

Option 1

NEW SOUTH WALES

Port Macquarie Community Centre

Tues, August 31

Option 2

Wollongbar Institute of TAFE

Wed, September 1

Option 1

Batemans Bay Eurobodalla Adult Education Centre

Wed, September 8

Option 1

Wodonga Institute of TAFE

Thur, September 9

Option 2

WESTERN AUSTRALIA

Wembley Golf Club

Tues, September 21

Option 1

TASMANIA

TAFE Tasmania - Alanvale Campus

Wed, September 29

Option 2

TIME: OPTION 1 8.30am registration
8.45am – 12.45pm

OPTION 2 9.30am registration
10.00am – 2.00pm

COST: Members FREE
\$60.00 Non Members (GST Inc) (includes Morning Tea)

Members of the AAP will earn 3 CEP's by attending this workshop

Name:

Organisation:

Membership Number:

Mobile: Email:

I will be attending:

- IT Training Solutions
- Port Macquarie Community Centre
- Wollongbar Institute of TAFE
- Batemans Bay Eurobodalla Adult Education Centre
- Wodonga Institute of TAFE
- Wembley Golf Club
- TAFE Tasmania - Alanvale Campus

- Queensland
- New South Wales
- New South Wales
- New South Wales
- New South Wales
- Western Australia
- Tasmania

Send/fax completed registration form and payment:

AGCSA, Suite 1, Monash Corporate Centre, 752 Blackburn Road, Clayton, VIC 3168 Fax (03) 9548 8622

If you have any queries please contact John Geary on 03 9548 8600





ATTENDEES CHECKLIST

The Water Management Review questionnaire is comprehensive and asks for input on a range of topics. To help fast track the completion of the questionnaire the following information should be collated before attending the workshop.

✓ Does your golf club have a Water Policy? If so, please document.

✓ Regulatory Framework:

The primary legislation, regulations and guidelines of particular significance to water use include;

- Type of licence
- Issuing Authority
- Relevant information
- Expiry date

✓ Turf Survey

The predominant turfgrass species and cultivars include;

	Number	Grass species/cultivar	Irrigated Area (Ha)
Greens			
Green Surrounds			
Tees			
Fairways			
Practice Fairway			
Turf Nursery			
Other			
Total Irrigated Area			

✓ Water Sources

Please indicate the water sources currently being used for irrigation and the volume available per year.

	Current Permit	Permit amount (Megalitre)
Dam(s) and Lake(s)		
River Extraction		
Bore Extraction		
Recycled Water		
Above Ground Tanks		
Other		
Total Available Water		

✓ Water/Irrigation Costs

Please complete the following;

	Comments (2009/2010 Budget)	2008/2009 Budget Annual Expense	2009/2010 Budget Annual Expenses
Potable Water			
Recycled Water			
Bore License			
Irrigation Repairs & Maintenance			
Other			
Other			
Total Water Costs			
Cost/ML			





Water Quality
Please complete the following;

Name of Water Source	
pH, units	
Electrical Conductivity (micro S/cm @ 25 C)	
Salinity by calculation (mg/L)	
Bicarbonate as HCO ₃ (mg/L)	
Carbonate as CO ₃ (mg/L)	
Calcium as Ca (mg/L)	
Sodium as Na (mg/L)	
Chloride as Cl (mg/L)	
Residual Sodium Carbonate (calc)	
Sodium Adsorption Ratio - SAR	

Sprinkler Make and Model Data
Please outline the sprinkler make and model specification data for the following;

	Make	Model	Nozzle Size	Operating Pressure	Sprinkler Flow Rate	Precipitation Rate	Spacing's
Greens							
Green Surrounds							
Tees							
Fairways							
Practice Fairway							
Turf Nursery							
Other							

Irrigation Schedule
Please complete the following;

	Area (Ha)	Frequency/week	Volume/cycle (L)	Mm/Irrigation cycle
Greens				
Green Surrounds				
Tees				
Fairways				
Practice Fairway				
Turf Nursery				
Other				
Total				





✓ Pumps Data
Please complete the following;

	Details
Pump Manufacturer	
Model Description	
Pump Type	
Power Unit	
Design Duty	
Pump Efficiency	

✓ Fertigation Data
Please complete the following;

	Details
Fertigation Manufacturer	
Model Description	
Type	
Capacity	

✓ Filter Data
Please complete the following;

	Details
Filter Manufacturer	
Model Description	
Type	
Backflushing Requirements	
Backflush Water	

Principal Partners

