

## Workshop series

### Health risk assessment of recycled water using bioanalytical techniques – The science and its application

Gold Coast	14 <sup>th</sup> October 2011
Sydney	27 <sup>th</sup> October 2011
Melbourne	17 <sup>th</sup> November 2011
Adelaide	18 <sup>th</sup> November 2011
Perth	24 <sup>th</sup> November 2011

Water Quality Research Australia (WQRA) and the National Water Commission (NWC) is supporting a series of workshops on the science behind the use of bioanalytical methods in water quality assessment in conjunction with the presentation of the results of a recently completed research project funded under the Raising National Standards program of the National Water Commission (Waterlines report #48. <http://www.nwc.gov.au/www/html/3062-waterlines-48.asp>). The workshops will be of interest to water scientists, engineers, catchment managers, regulators, government departments and water scheme proponents.

#### Workshop purpose

The purpose of the workshops is to:

1. To inform and educate members of the water industry and government on the science underpinning the use of the emerging method of biological monitoring that specifically targets bioactive organic chemicals.
2. To present the research outcomes of a recently completed project called 'A National Approach to Risk Assessment, Risk communication and Management of Chemical Hazards from Recycled Water' jointly funded by the NWC Raising National Standards program, WQRA and industry partners.
3. To present the information within the context of regulatory risk assessment and monitoring as briefly discussed in the *Australian Water Recycling Guidelines, Phase 2 Augmentation of drinking water supplies (2008)* and to explore opportunity for incorporation of the techniques into monitoring programs.

## Presenters

The presenters were lead investigators for the 'A national approach to risk assessment, risk communication and management of chemical hazards from recycled water' project, the final report of which was published in May 2011 by the NWC.

- A/Prof Heather Chapman, Smart Water Research Centre, Griffith University
- Dr Stuart Khan, UNSW
- Dr Frederic Leusch, Smart Water Research Centre, Griffith University
- Dr Andrew Humpage, Australian Water Quality Centre, Adelaide
- Dr Tarren Reitsema, Department of Water, WA
- Commissioner Chris Davis, NWC

## Enquiries

Heather Chapman

Email: [h.chapman@griffith.edu.au](mailto:h.chapman@griffith.edu.au)

## Registration

There is no cost to attend the workshops however registration is required for catering purposes. Please complete the last page and email to

[H.Chapman@griffith.edu.au](mailto:H.Chapman@griffith.edu.au)

## Workshop schedule (Smart Water Research Centre, Griffith University, Gold Coast)

9 am - 9.30 am	Coffee and registration		
9.30 am		Welcome and overview of workshop	Commissioner Chris Davis, NWC
9.40 am	Session 1	Introduction and context	Heather Chapman
9.50 am	Session 2	Science behind the use of bioanalytical techniques for water quality assessment	Fred Leusch
10.20 am	Morning tea		
10.40 am	Session 3	Outcomes of the NWC project - technical results on water quality - BIOANALYTICAL	Fred Leusch and Andrew Humpage
11.20 am	Session 4	Outcomes of the NWC project - technical results on water quality - CHEMISTRY	Stuart Khan
11.50 am	Session 5	Regulations and monitoring programs - an integrated approach	Andrew Humpage and Heather Chapman
12.20 pm	Session 6	Question and answer session	All
12.50pm	Close and lunch		

### Workshop schedule (Sydney, Melbourne and Adelaide)

noon - 1pm	Registration and lunch		
1 pm		Welcome and overview of workshop	Commissioner Chris Davis
1.10 pm	Session 1	Introduction and context	Heather Chapman
1.20 pm	Session 2	Science behind the use of bioanalytical techniques for water quality assessment	Fred Leusch
1.50 pm	Session 3	Outcomes of the NWC project - technical results on water quality - BIOASSAYS	Fred Leusch and/or Andrew Humpage
2.20 pm	Session 4	Outcomes of the NWC project - technical results on water quality - CHEMISTRY	Stuart Khan
2.50 pm	afternoon tea		
3.10 pm	Session 5	Regulations and monitoring programs - an integrated approach	Andrew Humpage and Heather Chapman
3.40 pm	Session 6	Question and answer session	All
4.30 pm	Close		

### Workshop schedule (Duxton Hotel, Georges Terrace, Perth)

9 am	Coffee and arrival		
9.30 am		Welcome and overview of workshop	Commissioner Chris Davis
9.40 am	Session 1	Introduction and context	Heather Chapman
9.50 am	Session 2	Science behind the use of bioanalytical techniques for water quality assessment	Fred Leusch
10.20 am	Morning tea		
10.40 am	Session 3	Outcomes of the NWC project - technical results on water quality - BIOANALYTICAL	Fred Leusch and Andrew Humpage
11.20 am	Session 4	Outcomes of Ecotoxicity Toolbox project	Tarren Reitsema and Fred Leusch
11.50 am	Session 5	Regulations and monitoring programs - an integrated approach	Andrew Humpage and Heather Chapman
12.20 pm	Session 6	Question and answer session	All
12.50 pm	Close		
12.50 pm	LUNCH		
1.50 pm	Site visit to Beenyup Treatment Plant (numbers limited)		

**Health risk assessment of recycled water using bioanalytical techniques – The science and its application in water quality monitoring**

## Registration form

Please indicate which workshop/s you wish to attend . Location details will be provided with confirmation of registration.

Gold Coast	14 <sup>th</sup> October 2011	<input type="checkbox"/>
Sydney	27 <sup>th</sup> October 2011	<input type="checkbox"/>
Melbourne	17 <sup>th</sup> November 2011	<input type="checkbox"/>
Adelaide	18 <sup>th</sup> November 2011	<input type="checkbox"/>
Perth	24 <sup>th</sup> November 2011	<input type="checkbox"/>
<b>Perth only</b>		<input type="checkbox"/>
Beenyup site visit		

Please enter your details below

<i>Title</i>		
<i>Name</i>	<i>First</i>	<i>Last</i>
<i>Organisation</i>		
<i>Position</i>		
<i>Address</i>		
<i>Suburb</i>		
<i>State</i>		
<i>Postcode</i>		
<i>Work Phone</i>		
<i>Mobile Phone</i>		
<i>Email address</i>		
<i>Dietary requirements (blank if none)</i>		

Please complete registration form and email to [h.chapman@griffith.edu.au](mailto:h.chapman@griffith.edu.au) by the following dates.

**RSVP dates**

Gold Coast      7<sup>th</sup> October 2011  
 Sydney          21<sup>st</sup> October 2011  
 Melbourne      4<sup>th</sup> November 2011  
 Adelaide        4<sup>th</sup> November 2011  
 Perth            11<sup>th</sup> November 2011