



## Development of bio-analytical techniques to assess the potential human health impacts of recycled water

### Cross-Project Meeting#1

10/11 November 2011, SCCWRP, Costa Mesa, CA

The meeting will have three main components:

1. Seminar titled “Bioanalytical Tools in Water Quality Assessment” given by Drs. B. Escher and F. Leusch. Stakeholders, SCCWRP member agency and interested academic parties will be invited. Discussion to follow (Thurs am)
2. Cross-project meeting between California and WRRF project teams to brief each other, identify areas for collaboration and forge agreement for sharing of information/materials and division of tasks (~0.5 day; Thurs pm & Fri am)
3. Internal project team meetings as needed (~ 0.5 – 1 day; Thurs am & Fri)

### 1. “Bioanalytical Tools in Water Quality Assessment” – a seminar by Drs. Beate Escher & Fred Leusch

A 2 hour seminar followed by a one hour discussion period. The seminar will provide an overview on the current state of bioanalytical tools and their potential applications in water quality monitoring that is targeted for a diverse audience of practitioners and regulators. Invited participants will be from the scientific, regulatory and regulated communities. Seminar will be webcast for those who wish to view/participate remotely. A discussion period will follow the seminar that will be structured to address priority questions/comments from the CA and WRRF project participants (investigators and PAC members) and as time permits, questions from the larger audience. The primary goal of this session is to bring interested parties to the same level of understanding regarding the pros and cons associated with these tools.

Participants	Organisation	Participation
Discharger & regulator reps	SCCWRP Member Agencies	Live & remote
SCCWRP Staff	SCCWRP	
CA & WRRF Team Members	Various	
CA & WRRF Team Affiliates & Support Staff	Project Team Organizations	
Invited stakeholders	Various	

## 2. Cross-project Meeting of CA and WRRF teams

**Objective:** to delineate and understand individual project goals; explore possible synergistic interactions and collaborations between both projects, propose & approve collaborative approach (e.g. information and/or material sharing; division of research, method development and/or validation tasks)

### Agenda items:

- Project goals and progress to date (60 min)
  - Literature review
  - Selection of candidate bioassays
  - Water extraction protocols
- Vendor presentations (45 min)
- Identification of commonality & areas of potential overlap & redundancy (60 min)
  - Bioassays targeted
  - Water quality and sharing of samples/extracts
  - Bioassay data interpretation & communication strategies
- Stakeholder issues and concerns (30 min)
- Discussion & agreement on collaboration and path forward (Friday late am session)

Participants	Role (Organisation)	Participation
Beate Escher; Fred Leusch; Shane Snyder; Erin Snyder*; Anita Poulsen; Brad Clarke*	WRRF Project PIs (various)	Yes
Keith Maruya; Nancy Denslow; Dan Schlenk; Shane Snyder; Sandy Westerheide	CA Project PIs (various)	Yes
Blythe Layton; John Griffith; Steve Bay	SCCWRP Staff	Invited
Julie Minton, Stefani McGregor	WRRF Project Administration	Yes
Charlie Carter; Gary Dickenson; Dave Mazzer*; Don McEnhill; Dave Smith; Vickie Wilson	CA PAC Members (various)	Yes
Michael Bartkow*; Denise Hosler*; Laura Kennedy; Menu Leddy; Max Zarate- Bermudez	WRRF PAC Members (various)	Yes
Jonathan Bishop	California Water Resources Control Board	Invited
Peter Behnisch (BDS); Shelley Force Aldred, Nathan Trinklein (SwitchGear); Gerry Pelane, Kun Bi (Invitrogen)	Vendor representatives	presentation(s) & selected segments

\*Remote participation

### 3. Internal Project Meetings

Objectives: discuss progress to date; finalize tasks/decisions that are due; identify wish lists and points of collaboration; plan, schedule and assign next steps/tasks

Agenda items: to be determined by Project Teams:

#### WRRF

- Final selection of Category 2 bioassays in all labs

- Development of "SOP" of the validation of a category 2 bioassay

- Plans for first small scale comparison study of core labs beginning in 2012

- Points of collaboration with partner project

#### CA

- Discussion of literature search

- Final selection of candidate bioassays

- Future deliverables and milestones

Participants	Organisation	Participation
WRRF Project Team Members	Various	
CA Project Team Members	Various	
Vendor representatives		by invitation

**DEVELOPMENT OF BIOANALYTICAL TECHNIQUES FOR MONITORING OF  
CHEMICALS OF EMERGING CONCERN IN RECYCLED WATER**

**JOINT MEETING BETWEEN CALIFORNIA AND WATER REUSE RESEARCH  
FOUNDATION PROJECT TEAMS**

**NOVEMBER 10 - 11, 2011  
MEETING AGENDA**

**To be held at:  
Southern California Coastal Water Research Project  
3535 Harbor Blvd. Costa Mesa, CA 92626**

**Portions of Meeting will be webcast at [conference.sccwrp.org](http://conference.sccwrp.org)**

**Thursday, November 10**

8:30 Coffee & pastries

9:00 Welcome & Introductions

Keith Maruya (SCCWRP)  
Julie Minton (WRRF)

9:15 Bioanalytical tools in water quality assessment,  
(available by webcast)

Beate Escher (Univ. Queensland)  
Frederic Leusch (Griffith Univ.)

11:15 Discussion/Q&A (webcast)

Moderators: Keith Maruya,  
Julie Minton

12:00 LUNCH (provided on site for \$10)

1:15 Cross-Project Meeting, Part 1

WRRF Project Team Members  
CA Project Team Members

3:30 - 3:45 BREAK

3:45 Individual Project Meetings

5:00 Adjourn for Day

**DINNER WITH WRRF AND CA PROJECT TEAM MEMBERS**

**Friday, November 11**

8:00 Coffee & pastries

8:30 Individual Project Meetings (cont.)

10:15 – 10:30 BREAK

10:30 Cross-Project Meeting, Part 2

WRRF Project Team Members  
CA Project Team Members

11:45 Action Items & Wrap Up

Beate Escher, Keith Maruya

Noon Adjourn