



Bioanalytical Screening of Recycled Water Workshop

Southern California Coastal Water Research Project
Costa Mesa, California
June 11, 2018



AGENDA

1:10	Why Bioanalytical Screening?	Nancy Denslow
1:40	Amending the Policy	Tessa Fojut
2:10	Stakeholder Feedback	Jennifer West
		Megan Plumlee
2:40	Practical Considerations	Alvine Mehinto
3:10	Summary & Next Steps	Keith Maruya
3:30	Adjourn	

10-15 min of Q&A will be reserved for each topic



ADDITIONAL INFORMATION

This meeting is open to the public and is being webcasted at:

<https://attendee.gotowebinar.com/register/3079896287745637379>

For more information on the Workshop and the Science Advisory Panel, please visit the project webpage at:

<http://sccwrp.org/ResearchAreas/Contaminants/RecycledWaterAdvisoryPanel.aspx>

If you would like to receive project updates, please contact

Keith Maruya keithm@sccwrp.org

Tessa Fojut Tessa.Fojut@waterboards.ca.gov

PROPOSED AMENDMENT TO THE RECYCLED WATER POLICY



Public Hearing

Tuesday, June 19, 2018 – 9:30 a.m.

Joe Serna, Jr.–CalEPA Headquarters Building
Coastal Hearing Room
1001 I Street, Second Floor
Sacramento, CA 95814

Staff Contacts

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(916)341-5582

Written Comments

**Written Comment Letters must be received
by 12:00 noon on Tuesday, June 26, 2018**

Email to Jeanine Townsend, Clerk to the Board,
commentletters@waterboards.ca.gov
(if less than 15 megabytes in total size).

Subject line: “Comment Letter – Proposed Recycled Water
Policy Amendment.” Electronic submission by email in pdf
text format is preferred.

Paper comment letter to Jeanine Townsend, State Water
Resources Control Board, 1001 I Street, 24th Floor,
Sacramento, CA 95814.



Summary and Next Steps

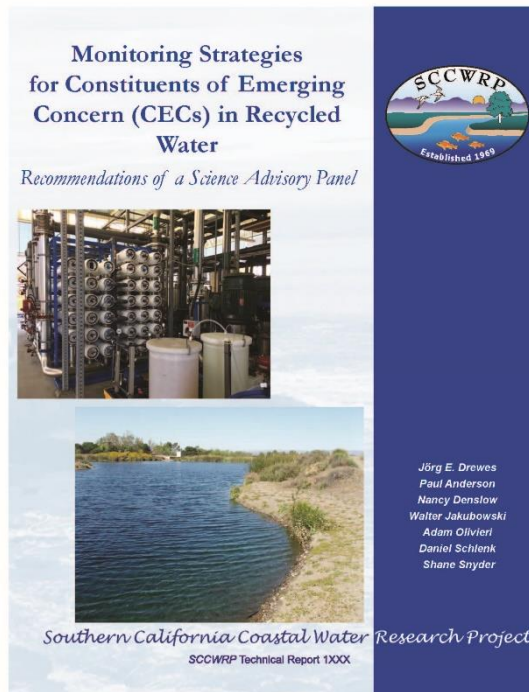
Keith Maruya, Tessa Fojut

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Panel Recommendations

The results and recommendations presented herein are documented in a final report (SCCWRP TR1020), released to the public on 27 April 2018



Key Contact: Keith Maruya,
keithm@sccwrp.org



Recycled Water Policy Amendment

Attachment A - CEC monitoring requirements

- QA/QC
- Targeted chemistry
- **Bioanalytical screening tools**
- Monitoring locations and phased approach
- Data evaluation & response actions

Public hearing: June 19, Sacramento & webcast

Written comments due: June 26 at noon

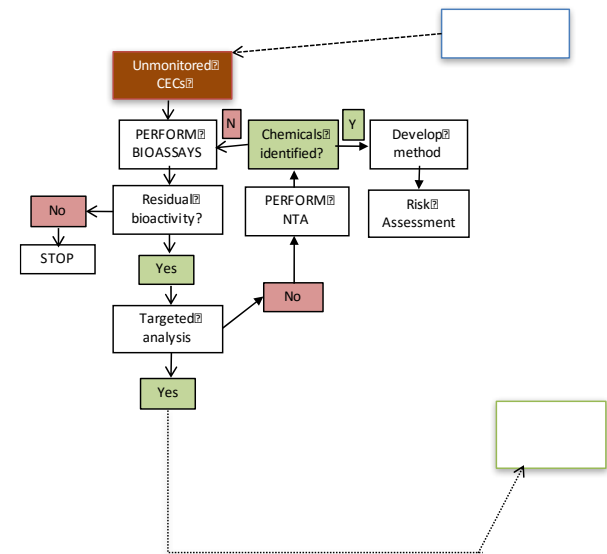
Key Contact on CECs: Tessa Fojut
Tessa.Fojut@waterboards.ca.gov



Improving our Monitoring Tools

The Water Board is working with topical and industry leaders to:

- 1) Create a relevant, robust and interpretable bioanalytical monitoring toolbox
- 2) Advance non-targeted methods for identifying problematic CECs





Phased Implementation of Bioanalytical Tools

- The Water Board is aware of the strengths and weaknesses of bioanalytical screening tools
- The Water Board is proposing phased implementation of these tools
- The Water Board is committed to informing the process with the infusion of the latest science and technology developments



CEC Definition (2020 and beyond?)

‘Constituents of emerging concern’

- Personal care products
- Pharmaceuticals
- Industrial
- Agricultural
- Natural hormones
- Inorganic constituents (boron, chlorate)
- Food additives and constituents (phytoestrogens, caffeine, sweeteners)
- ***Transformation products***
- ***Nanomaterials***
- ***Microplastics***
- ***Antibiotic resistance***