



RMP Emerging Contaminants Workgroup Meeting

April 30th, 2015

**San Francisco Estuary Institute
First Floor Conference Room
4911 Central Avenue, Richmond
10:00 am - 4:00 pm**

Lunch will be provided

Webex Info

Call-in Toll Number: 1-650-479-3208

Access Code: 626 941 909

URL: <https://sfei.webex.com/sfei/j.php?MTID=ma8f4437c7b8713a565afeceb586c4cee>

AGENDA

1.	Introductions, Approval of Minutes, and Goals for Today's Meeting (Attachment) The goals for today: <ul style="list-style-type: none">● Provide updates on recent and ongoing ECWG activities● Identify potential new ECWG members● Recommend which special study proposals should be funded in 2016 and provide advice to enhance those proposals	10:00 Phil Trowbridge
2.	Information: Update on the CEC Strategy Review of the RMP prioritization scheme and classification of CECs. Note next steps for each tier in terms of monitoring and how the data will inform management decisions. Briefly describe smaller special studies: <ul style="list-style-type: none">● Annual emerging contaminants support● Add-on microplastics monitoring in margin sediments	10:05 Rebecca Sutton

3.	<p>Information: Update on Alternative Flame Retardants Monitoring</p> <p>The alternative flame retardants project is nearing completion. We are evaluating these constituents in multiple matrices including ambient Bay water, effluent, stormwater, sediment, bivalves, and harbor seal blubber. A brief summary of the results will be presented.</p>	10:35 Rebecca Sutton
4.	<p>Information: Update on Bioanalytical Tools (Attachment)</p> <p>The University of Florida and SCCWRP have finished the deliverables for Year 1 and begun work on the deliverables for Year 2. The final Year 1 report is attached. In Year 2 of the study, <i>in vitro</i> and <i>in vivo</i> bioassays will be performed using San Francisco Bay wastewater effluent and receiving waters. An overview of results to date and the plans for 2015 will be presented.</p>	10:55 Nancy Denslow
5.	<p>Information: Targeted Metabolomics - Measuring the Effects of Environmental Stressors on Sentinel Species</p> <p>AXYS has conducted a pro bono metabolomic study of resident Bay species. Metabolomics is the study of cellular response to external stresses such as contaminants.</p>	11:30 Bharat Chandramouli
6.	<p>Information: Update on Effluent Monitoring - Perfluorochemicals</p> <p>The priority CECs in effluent project is nearing completion. Wastewater effluents from eight local treatment plants were collected for poly- and perfluoroalkyl substance analysis by AXYS. In addition, a pro bono collaboration with the Department of Toxic Substances Control added a significant component to the study, an oxidation assay to indirectly estimate the total concentration of polyfluorinated compounds. A brief summary of the results will be presented.</p>	11:40 Erika Houtz
7.	<p>Information: Update on Effluent Monitoring - Fipronil</p> <p>The priority CECs in effluent project is nearing completion. Wastewater influents and effluents from eight local treatment plants were collected for analysis of fipronil and degradates. A brief summary of the results will be presented.</p>	12:00 Ellen Willis-Norton
	Lunch	12:10

<p>8.</p>	<p>Information: Benzotriazole UV Stabilizers and Substituted Diphenylamine Antioxidants: Emerging Organic Pollutants in San Francisco Bay</p> <p>A pro bono collaboration with Environment Canada provides exploratory data on these contaminants in ambient Bay water samples.</p>	<p>12:45 Amila De Silva</p>
<p>9.</p>	<p>Discussion: Potential New ECWG Members</p> <p>Dr. David Sedlak will be leaving the ECWG in 2015 after many years of service. The RMP would like to identify researchers who could potentially take his place, taking into account the type of expertise that is needed to complement the other ECWG members. Another option is to maintain the workgroup as it is now.</p> <p>Desired Outcome: List of potential new ECWG members</p>	<p>1:00 Panel</p>
<p>10.</p>	<p>Proposed Special Study for 2016: Pharmaceuticals (Attachment)</p> <p>Previous RMP surveys indicate some pharmaceuticals occasionally exceed toxicity thresholds. The RMP CEC Strategy and prioritization methods within the new state CEC guidance suggest a pilot monitoring effort is warranted. In addition, new analytical methods have been developed to target additional pharmaceuticals not previously examined in the Bay.</p> <p>For this agenda item, the Principal Investigator will present the proposed research, followed by questions and comments from the ECWG. The goal is to gather feedback on the merits of the proposal and how it can be improved. A broader discussion of all the proposals will be held in Agenda Item 12. The formal recommendation for funding will be made during Agenda Item 13.</p>	<p>1:15 Rebecca Sutton</p>

<p>11.</p>	<p>Proposed Special Study for 2016: Non-targeted Analysis of Water-soluble Organic Compounds (Attachment) The RMP CEC Strategy and new state guidance emphasize non-targeted analysis as an essential means of assuring focus on the contaminants with greatest potential to impact ecosystems. With the completion of the RMP project with NIST to examine fat-soluble contaminants via non-targeted analysis, we are now well-positioned to similarly assess water-soluble contaminants, thus providing a more complete survey of Bay pollution.</p> <p>For this agenda item, the Principal Investigator will present the proposed research, followed by questions and comments from the ECWG. The goal is to gather feedback on the merits of the proposal and how it can be improved. A broader discussion of all the proposals will be held in Agenda Item 12. The formal recommendation for funding will be made during Agenda Item 13.</p>	<p>1:50 Rebecca Sutton</p>
<p>12.</p>	<p>Discussion: Recommended Studies for 2016 The workgroup will review and critique the proposals presented within the broader context of emerging contaminants and Bay health.</p>	<p>2:25 Phil Trowbridge</p>
<p>13.</p>	<p>Decision: Recommendations for 2016 Special Studies Funding RMP Special Studies are identified and funding through a three-step process. Workgroups recommend studies for funding to the Technical Review Committee (TRC). The TRC weighs input from all the workgroups and then recommends a slate of studies to the Steering Committee. The Steering Committee makes the final funding decision. For this agenda item, the ECWG is expected to decide (by consensus) which studies to recommend to the TRC. To avoid an actual or perceived conflict of interest, the Principal Investigators for proposed special studies are expected to leave the room during this agenda item.</p> <p>Desired Outcome: Recommendations from the ECWG to the TRC regarding which special studies should be funded in 2016 and their order of priority.</p>	<p>3:35 Karin North</p>
<p>14.</p>	<p>Report out on Recommendations</p>	<p>3:50 Karin North</p>
<p>15.</p>	<p>Wrap up and adjourn</p>	<p>4:00</p>