

CBP Water Quality Goal Implementation Team
Toxic Contaminants Workgroup
Meeting Agenda

Date: Wednesday, May 13, 2020

Time: 1:00 - 3:00 PM

Location: Conference Call (remote only)

Zoom Link: <https://zoom.us/j/574130465?pwd=UWpzcHJQSUw1WWsrM3JaSm0xR0Rpdz09>

Call-in: 1-929-205-6099; **Meeting ID:** 574-130-465

Password: 8294

Calendar Page: [Link](#).



Agenda Item and Desired Outcome	Time	Background Docs, Notes, and Action Items
<p>1. Introductions and Announcements</p> <ul style="list-style-type: none"> • Approval of the April Meeting Minutes • Update on Final User Guide for Fish Consumption – Caitlyn Johnstone, CBP • Recently published articles: <ul style="list-style-type: none"> • Spatiotemporal variation in occurrence and co-occurrence of pesticides, hormones, and other organic contaminants in rivers in the Chesapeake Bay Watershed <ul style="list-style-type: none"> ▪ <i>“Within the Chesapeake Bay Watershed, United States, there are concerns about the potential role of contaminant exposure on fish health. Evidence suggests that exposure to contaminants in surface water is causing immunosuppression and intersex in freshwater fish species...To address these concerns, we applied a Bayesian hierarchical joint-contaminant model to describe the occurrence and co-occurrence patterns of 28 contaminants and total estrogenicity across six river sites and over three years. We found that seasonal occurrence patterns varied by contaminant, with the highest occurrence probabilities during the spring and summer months. Additionally, we found that the proportion of agricultural landcover in the immediate catchment, as well as stream discharge, did not have a significant effect on the occurrence probabilities of most compounds.”</i> • SERC’s Shorelines Blog: We’re Winning The Fight Against Mercury Pollution <ul style="list-style-type: none"> ▪ <i>“Marylanders can celebrate at least one environmental win this year. Since 2005, toxic mercury pollution in the state’s rain has dropped over a third. The preliminary figure comes from three state monitoring stations: Beltsville, Frostburg and a weather tower in Edgewater, at the</i> 	1:00	<ul style="list-style-type: none"> • Complete the Mercury Story Map documentation • Complete the toxic contaminant indicator

<p><i>Smithsonian Environmental Research Center (SERC). All three stations belong to the Mercury Deposition Network, a collection of roughly 100 sites tracking mercury across the U.S. Maryland's success partially stems from early regulations—most notably the 2006 Healthy Air Act.”</i></p> <ul style="list-style-type: none"> • <u>Causal factors for pesticide trends in streams of the United States: Atrazine and deethylatrazine</u> <ul style="list-style-type: none"> ▪ <i>“The overall trend patterns and past investigation of use trends (Ryberg et al., 2014) indicate that regulatory changes may have been successful in encouraging atrazine degradation to DEA. The acute and chronic toxicity of DEA is less than that of atrazine for aquatic organisms (Ralston-Hooper et al., 2009); therefore, increasing DEA concentration trends would be preferential to increasing atrazine concentration trends, and in some cases, declines in DEA may follow declines in atrazine, with lag times depending on groundwater movement.”</i> 		
<p>2. GIT Funded Project Ideas – Greg Allen, EPA , Scott Phillips and Emily Majcher, USGS</p> <ul style="list-style-type: none"> • The TCW will review GIT Funded Project ideas and make a decision on which projects to put forth to the WQGIT in June. <p>3. Scott and Emily will provide an overview of project idea for “Developing approaches to integrate selected urban toxic contaminants into CAST”</p>	1:20	<ul style="list-style-type: none"> • <u>RFP</u> • <u>Draft idea for</u> “Developing approaches to integrate selected urban toxic contaminants into CAST”
<p>4. SRS Review Progress: Logic and Action Plans for Research and Policy and Prevention – Greg Allen, EPA, Scott Phillips and Emily Majcher, USGS</p> <ul style="list-style-type: none"> • Reminder of 3 main deliverables • For each outcome the workgroup will review the following questions: <ul style="list-style-type: none"> • Are there any remaining gaps? • Based on what we have learned, should we revise any actions? 	1:50	<ul style="list-style-type: none"> • TCW <u>SRS Review Schedule</u> • TCW Updated Logic and Action Plans
<p>5. STAC CEC Report Updates – Scott Phillips and Emily Majcher, USGS</p> <ul style="list-style-type: none"> • Initiate discussion of draft language for CBP’s response to STAC 	2:50	
<p>6. Wrap Up and Adjourn</p>	3:00	<p>Next meeting: June 10, 2020</p>