

Integrating Science and Developing Approaches to Inform Management for Contaminants of Concern in Agricultural and Urban Settings

A Scientific and Technical Advisory Committee (STAC) Workshop

Dates: May 22-23, 2019

Location: Sheraton Inner Harbor
300 S Charles St., Baltimore, MD 21201

[Workshop Webpage](#)



Day 1 – Wednesday, May 22

Start time (duration, min)		Presentation Topic	Organization	Speaker
10:00 am (30)	Introduction	Logistics, Workshop Objectives	USGS	Scott Phillips
10:30 am (20/10)	Session I: Primary Contaminants and their effects on Fish Health and Consumption Advisories	Fish health issues and relation to contaminants in agricultural settings	USGS	Vicki Blazer
11:00 am (20/10)		Fish health issues and relation to contaminants in urban setting	USFWS	Fred Pinkney
11:30 am (30, 5 minutes for each panelist)		Jurisdictional Panel, each member will discuss: -Status of fish health issues and consumption advisories in each state and DC. -Opportunities to use sediment and nutrient reduction efforts for Bay TMDL to mitigate toxic contaminants.	State agencies and DC	One representative from each state and DC
12:00 pm (45)		<i>Lunch (provided)</i>		
12:45 pm (20/10)	Session II: Primary Contaminant Sources, Fate, and Transport	Lessons from other watersheds: Legacy Contaminants and Lessons Learned in Puget Sound and other restoration efforts	UW Tacoma	Andy James
1:15 pm (20/10)		Lessons from other watersheds: Legacy Contaminants and Lessons Learned in the Great Lakes and other restoration efforts	Manhattan College	Kevin Farley
1:45 pm (20/10)		Urban sources of contaminants of emerging concern: what is getting into the Chesapeake Bay and how can we reduce that load	UMBC	Lee Blaney
2:15 pm (20/10)		Endocrine Disrupting Chemicals found in agricultural settings of the Chesapeake watershed	USGS	Kelly Smalling
2:45 pm (15)	<i>Break and move into breakout sessions</i>			
3:00 pm (90)	BREAK OUT SESSIONS: <i>One group will focus on for agricultural settings, and another on urban settings.</i> Issues to be discussed include: <ul style="list-style-type: none"> primary contaminants affecting fish health and fish consumption advisories the sources and transport of these chemicals additional information and research needed 			

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	The answers from these breakout sessions will be used to help inform the day 2 breakout sessions on approaches to mitigate the effects of contaminants in urban and agricultural settings, and additional opportunities from nutrients sediment practices.			
4:45 pm (20/10)	Session III: Mitigation and potential co-benefits with nutrient and sediment reductions	Removal of the toxic contaminants PCBs and PAHs by urban BMPs	UMD-CP	Birthe Kjellerup
5:15 pm (15)	Wrap up/Recess			Steering Committee

Day 2 – Thursday, May 23

Start time (duration, min)		Presentation Topic	Organization	Speaker
8:30 am (15)	Welcome and reports from Day 1 breakout sessions	Reports from Day 1 breakout sessions: agricultural and urban settings; Goals for day 2		Speaker from each session; steering committee
8:45 am (20/10)	Opening	Lessons Learned from other watersheds: Delaware River Basin Contaminants of Emerging Concern Surveys	DRBC	Ron McGillivray
9:15 am (20/10)	Part III: Mitigation and potential co-benefits with nutrient and sediment reductions	Overview of nutrient and sediment BMPs being used in Ag and Urban Settings by jurisdictions in Phase III WIP development	Devereux Environmental Consulting	Olivia Devereux
9:45 am (20/10)		Iron-enhanced sand filters for removal of CECs in urban stormwater	USGS Upper Midwest	Richard Kiesling
10:15 am (20/10)		Introduction to and appropriateness of in-stream innovative approaches to sediment remediation to address TMDLs	UMBC	Upal Ghosh
10:45 am (15)	<i>Break</i>			
11:00 am (20/10)	Part III (cont.)	Riparian forest buffer removal of contaminants or other ag BMP – cover crop (pesticides)	UC Davis	Bryn Phillips (remote)
11:30 am (20/10)		Mitigation of contaminants - ag BMP – manure related contaminants	Virginia Tech	Kang Xia
12:00 pm (120)	<i>Working lunch (provided) and BREAK OUT SESSIONs – One group will focus on for agricultural settings, and another on urban settings. Issues to be discussed include:</i> <ul style="list-style-type: none"> • Current practices, and their effectiveness, to mitigate the effects of toxic contaminants in each setting • Best opportunities to use nutrients and sediment practices to also mitigate contaminants in urban and agricultural settings • Remaining science and research needs for more effective mitigation of toxic contaminants 			
2:00 pm (60)	Workshop Summary and next steps	Break out reports and wrap up		
3:00 pm	<i>Adjourn</i>			