

THIS MEETING IS BEING RECORDED

**CBP Water Quality Goal Implementation Team
Toxic Contaminants Workgroup
Meeting Agenda**

Date: Wednesday, May 11, 2022
Time: 1:00 - 3:00 PM
Location: Conference Call (remote only)
Calendar Page: [Link](#).



Meeting Information*

Meeting link: <https://umces.webex.com/umces/j.php?MTID=m93545cbfc3169ddb8ea692d62a1ead9a>

Meeting number: 260 060 2763

Password: #toxics2022

OR

Phone: 1-408-418-9388 United States Toll

Access code: 260 060 2763

**Please join by either computer audio or phone, not both. Viewing the webinar in the desktop app is recommended over the web browser. If experiencing bandwidth issues, turning off video when not speaking is recommended.*

| Agenda Item and Desired Outcome | Time | Background Docs, Notes, and Action Items |
|---|------|---|
| <ul style="list-style-type: none">• Introductions and Announcements<ul style="list-style-type: none">• Microplastics found in human blood for first time Plastics The Guardian• Better Targeting CBP Resources to Achieve Multiple Outcomes: Approaches and Tools• Revealed: the dangerous chemicals in your food wrappers PFAS The Guardian• PFAS devastate a Maine farm, but pose a much wider problem - The Washington Post• STAC PFAS Workshop May 17-18 in Annapolis (contact Meg Cole-colem@chesapeake.org -if interested in attending in person or virtually) | 1:00 | <ul style="list-style-type: none">• Update the PCB Story Map• TCW will be added to an upcoming AgWG agenda to present on TCs in Ag watersheds.• TCW member are encouraged to review and submit feedback/ edits to the logic and action plans for the Toxic Contaminant Research and Policy and Prevention Outcomes to Greg Allen and Emily Majcher. |
| <ul style="list-style-type: none">• Refining Sources of PCBs in the Back River Watershed – Emily Majcher, USGS<ul style="list-style-type: none">• Highlights from newly published report documenting wastewater and contaminated stormwater as drivers of PCB input to Back River, Baltimore, Maryland. | 1:10 | <ul style="list-style-type: none">• Link to paper |

THIS MEETING IS BEING RECORDED

| | | |
|--|------|--|
| <ul style="list-style-type: none"> • PCB TMDL Discussion Summary - Greg Allen, USEPA, and Emily Majcher, USGS <ul style="list-style-type: none"> • Recap and synthesis of March meeting discussion • Topical areas of focus for TCW function related to PCB TMDLs | 2:00 | <ul style="list-style-type: none"> • <i>Summary Paper posted to calendar page (as available)</i> |
| <ul style="list-style-type: none"> • SRS Items- Greg Allen, USEPA, and Emily Majcher, USGS <ul style="list-style-type: none"> • Introduction to SRS timeline • PCB-focused items from strategies and LAPs • Charge to members for updates | 2:30 | <p>Resources / Links for SRS:</p> <ul style="list-style-type: none"> • ChesapeakeDecisions: Meeting and Deadlines Link (filter on “clean water” cohort) • ChesapeakeDecisions: Document Status Link (filter on “clean water” cohort previous versions can be downloaded from the “download templates” section on the right side of the page) • TCW Research and Policy and Prevention Management Strategies and Logic and Actions plans are found the on the TCW Homepage under “projects and resources” |
| <ul style="list-style-type: none"> • Wrap Up and Adjourn | 3:00 | <ul style="list-style-type: none"> • <i>Next meeting: Wednesday, June 8, 2022</i> |

Summary of Actions and Decisions

Action: TCW member are encouraged to review and submit feedback/ edits to the logic and action plans for the Toxic Contaminant Research and Policy and Prevention Outcomes to Greg Allen and Emily Majcher.

Meeting Minutes

- **Announcements and Introductions**
- **Back River**
 - Discussion on sediments and scouring. Grain size was not measured. Some of the sediments measured for the tMDL in the tidal portion per 300 nano grams and the highest was 10 at the other site. Baltimore can get up as high as 500. For passive samplers- what is driving it during the 2–3-month period. Is it the base condition / PCBs absorbing over time or is there that much influence from storm events etc. Some of the other data from UMBC and it was showing a lot of variability throughout the year. One of Upal’s previous students looked at a lot of this and how far out it is sampling. In a flowing stream it’s not as big of a deal because the water is constantly being exchanged. In the sediment it does create a small diffusion zone. There could be different ways the sampler is exposed. What happens with a variable storm event? The sampler would give you the average. For Herring Run the sediment was gravelly and sandy, there was also a lot of movement from the water column and the sediment. In the case of lower beaver dam creek. We don’t know what exactly is going on. We didn’t measure the actual sediment concentration in the sediment. The sediment texture is another important consideration. Boggles the mind when sewage sludge etc. gets spread back out onto fields. If you insert 5% charcoal, it prohibits bio uptake.

THIS MEETING IS BEING RECORDED

- There is a lot of infrastructure dollars flowing and could some of it be used to reduce inputs at Back River (replacing pipes etc. It's a difficult question and what flows of money are being used etc.)? Maybe there are small improvements to be made. Most PCBs are highly hydrophobic.
- What can we do- translate research into management actions to reduce bioavailability?
- **Webex Chat Summary:**
 - from Trevor Needham to everyone: 1:14 PM*
The PFAs in biosolids is coming from consumer products
 - from Marel King, CBC to everyone: 1:14 PM*
During this year's legislative session, Maryland passed a law prohibiting the use of PFAS in firefighting foam, rugs and carpets, and food packaging. HB0275 and SB0273
 - from Karl Berger to everyone: 1:16 PM*
Can't solve my volume issue now, but biosolids in Maine situation were primarily from a paper manufacturing facility, which didn't come across in Washington Post article. Almost all municipal plants are at background levels for PFOA and PFOS in the 5 - 10 ppb level.
 - from Zachary Steckler to everyone: 1:19 PM*
Is the GIS site live now?
 - from Emily Majcher to everyone: 1:20 PM*
Those joining late, could you note your affiliated agency in the chat if not in your signature? thank you
 - from Hilary Swartwood to everyone: 1:21 PM*
Link to GIS maps: <https://gis.chesapeakebay.net/targeting/>
 - from Zachary Steckler to everyone: 1:22 PM*
Thank you, and this is Zach Steckler with PADEP.
 - from Marel King, CBC to everyone: 1:29 PM*
Emily: Can you repeat the figure comparing the Back River discharge to non-tidal flow?
 - from Trevor Needham to everyone: 1:31 PM*
@Mark King, the total flow from the plant is greater than the total flow from gaged non-tidal rivers
 - from Len Schugam to everyone: 1:45 PM*
Emily: What was the grain size distribution of the stormflow sediments?
 - from Greg Allen to everyone: 1:46 PM*
Way to be on the front lines Trevor!
 - from Trevor Needham to everyone: 2:28 PM*
GAC is like fairy dust to me; I find it can always help
- **PCB Roundtable Discussion**
 - MD: incorporating comments into guidance. Looking at publishing by the end of the month or at least having a final draft.
 - VA: integrating permitting into their source track down and PMP guidance. Hope to have something by the end of this year. There is also track down component built in to it.
- **SRS**

THIS MEETING IS BEING RECORDED

- Greg Allen and Emily Majcher provided an overview of the SRS timeline for 2022. Particular focus was given to PCB related items with the Toxic Contaminant Research and Policy and Prevention Logic and Action Plans. TCW Member are encouraged to send any SRS related updates to Greg and Emily.
- **Action:** TCW member are encouraged to review and submit feedback/ edits to the logic and action plans for the Toxic Contaminant Research and Policy and Prevention Outcomes to Greg Allen and Emily Majcher.

Call Participants

Greg Allen, EPA

Hilary Swartwood, CRC

Emily Majcher, USGS

Vicki Blazer, USGS

Trevor Needham, USGS

Doug Austin, SEE- EPA

Greg Allen, EPA

Karl Berger, MWCOG

Len Schugam, UMBC

Leon Tillman, NRCS

Marel King, CBC

Mark Richards, VA DEQ

Matt Kundrat, PA DEP

Mindy Neil, WV DEP

Nathalie Lombard, PADEP

Zackary Steckler, PA DEP

Raffi Marano, EPA

Alice Fulmer, WRF

John Rebar, DNREC