Chesapeake Bay Program
Toxic Contaminants Workgroup
Meeting Minutes
Date: Wednesday, May 8th, 2024
Time: 1:00 – 3:00 PM
Location: Conference Call (remote only)
Calendar Page: May Meeting Materials

Chesapeake Bay Program
A Watershed Partnership

Actions and Decisions

ACTION: TCW Members with feedback and suggestions on effective management approaches for PCB TMDLs should reach out to Greg Allen, EPA (allen.greg@epa.gov).

Agenda Item and Desired Outcome	Time	Background Docs, Notes, and Action Items

1. Introductions and Announcements – Greg Allen, US EPA
• Update on GIT funding
• June PFAS Quarterly
	1:00	• ITRC PFAS Beyond the Basics Training **Thursday, May 9th 1-3PM**
		  • Register here
		• PCB Symposium: From PCBs to PFAS **Thursday, May 9th 11AM-1PM**
		  • Register here
		• USGS Circular on their Strategic Science Vision for Microplastics
		• Greg Allen, EPA went over announcements including that the GIT Funding process was in progress and an overview of the upcoming PFAS Quarterly in June on PFAS Analytical Method Updates and Data Considerations.

2. Evaluation and Review of BMPs for the Reduction of PCBs to the Chesapeake Bay – Dr. Trevor Needham, USGS • Review of PCB reduction practices and BMPs to assist management decision making and provide information on current state of the science. The disconnect between load reduction and bioavailability and challenges to modeling approaches will be discussed.	1:15	• Paper Link • Presentation • Dr. Trevor Needham, USGS reviewed BMPs for PCB reduction. Including Stormwater Ponds and Wetlands, Green Infrastructure, Wastewater Sewer System BMPs, and Source Removal. Dr. Needham then went over limitations of current models for PCB fate and transport (data is lacking for a regional scale model, the benefits of focusing on bioavailability vs mass, and the disconnect between TSCA limits and the TMDL which can lead to 'remediated' sites continuing to be a source of PDB contamination. Dr. Needham concluded with opportunities including grey infrastructure improvement and source track down studies. • Questions included those on quantification, whether sediment removal correlates to PCB removal. Olivia Devereux, Devereux Consulting provided a brief explanation of the feasibility of implementing detailed PCB source data in CAST, which would be

		extremely difficult.
3. In-Situ Treatment of PCB-Impacted Sediments with Bioamended SediMite – Dr. Kevin Sowers, UMBC IMET, RemBac Environmental LLC • Overview of technology approach and demonstration for sequestration and biotransformation of PCBs, including a focus on the treatment of a pond in Anne Arundel County, Maryland.	2:00	• Presentation • Dr. Kevin Sowers, UMBC presented on In-situ bioremediation of PCBs via a novel product, SediMite. The presentation included an explanation of microbial degradation of PDBs, an overview of bio amended activated carbon, the principal component of SediMite, case studies which showed significant improvements in a caisson setting, and overall conclusions regarding efficacy and use cases. The presentation was followed by questions which covered topics like use in wetlands, sourcing of activated carbon, use in tidal areas, and use of solely activated carbon without microbes.
4. Discussion of PCB TMDL Implementation – Greg Allen, EPA	2:30	• Due to time constraints this discussion was shelved. Greg Allen, EPA suggested that members reach out to him with responses to the question "How can we translate findings from the two presentations to guidance that would help local jurisdictions develop effective management approaches in their PCB TMDLs?" **ACTION: TCW Members with feedback and suggestions on effective management approaches for PCB TMDLs should reach out to Greg Allen, EPA (allen.greg@epa.gov).**
Wrap Up and Adjourn	3:00	**Next meeting: Wednesday, June 12th, 2024**