SCIENTIFIC & TECHNICAL ADVISORY COMMITTEE

Meeting Agenda

DATE & TIME: *July 30, 2021 -- 9:00 a.m. to 12:00 p.m.*

VIRTUAL MEETING: *Z*oom: https://udel.zoom.us/j/98410695414 Passcode: science
Phone: 1-646-876-9923*; Meeting ID:* 984 1069 5414

AGENDA ITEMS

Call to order, Welcome, New Members, Introductions - Jenn Volk, Chair

Announcements

Old Business

State of the Bays Report Update – Dr. Marianne Walch

New Business

DNREC's Process to Develop the 303d/305b Report –*Dave Wolanski, DNREC*

David Wolanski will give an overview of the process to create the Integrated Report that combines the 305(b) Report and the 303(d) List. The Integrated Report is required under the Clean Water Act and EPA regulations every even numbered year.

Overview of the Integrated Report Process – *Bill Richardson, EPA*

This presentation will provide an overview on the regulatory requirements for the Integrated Report which states use to meet water quality assessment requirements under Clean Water Act Sections 305(b) and 303(d). The discussion will also include how assessment information informs other water management programs.

Microplastics Research in Delaware Bay/Inland Bays – Dr. Jonathan Cohen and Taylor Hoffman, UD

Over the past 5 years we have been studying microplastics in the Delaware Bay, tidal creeks, and more recently the Inland Bays. This presentation will cover what we have been finding in terms of microplastics in water and biota, along with insights into fate and transport.

Developing a Preliminary Conceptual Ecological Risk Assessment and Science Strategy for Microplastics in the Potomac River –Kelly Somers, EPA

Microplastics (MP) are polymer particles less than 5 mm long and are an emerging contaminant of concern. The potential human health and environmental impacts of plastic pollution is being studied globally. Its impacts on aquatic resources and the food chain could have lasting impacts. The Chesapeake Bay's Science and Technical Advisory Committee (STAC) recognized this growing threat and hosted a workshop to start exploring the state of the science. Following the workshop, the Chesapeake Bay Program Plastic Pollution Action Team (PPAT) was formed and tasked by the Chesapeake Bay Management Board with overseeing the development of ecological risk assessments (ERAs) looking at the effects of microplastics on Chesapeake Bay resources. The US EPA contracted with Tetra Tech and collaborated with the PPAT and the STAC to develop a preliminary conceptual ecological risk assessment, a uniform size classification and terminology document and a science strategy to address microplastics. This presentation will discuss the project outcomes, outputs and results.

Open

Adjourn

Next Meeting: October 29, 2021; 9:00 a.m. to 12:00 p.m.