

DELAWARE RIVER BASIN COMMISSION
Toxics Advisory Committee, January 19, 2022, Meeting Minutes

Joint Virtual Meeting

The DRBC Toxics Advisory Committee and Southeast Pennsylvania Regional PFAS Discussion Group held a joint virtual meeting, chaired by Eric Bind on January 19, 2022. The meeting was started by unanimously approving minutes from the last meeting. Other business included a new industry member, an opening for a member to represent agriculture, and other TAC memberships expiring in 2022. Announcements of other meetings and webinars of potential interest to the group.

Presentations:

Delaware Estuary Microplastics Monitoring and Cleanup – Jake Bransky, DRBC

Discussion and online chat included the following: source categorization of microplastics was not included in the current DRBC study, atmospheric deposition of microplastics may be significant, plastics in soils on Delaware River islands are of concern but were not a focus of the current study, looking at museum specimens such as ANS historic fish collection would be interesting to see gut content over time. Tim Hoellein at Loyola U (<https://www.luc.edu/biology/hoellein.shtml>) has looked at museum specimens, the ubiquity and persistence of microplastics “Microplastics are everywhere — but are they harmful?” <https://www.nature.com/articles/d41586-021-01143-3> , the need for standard methods, and appropriate quality assurance blanks.

PFAS in Surface Water, Sediment and Fish from the Delaware River – Ron MacGillivray, DRBC

Discussion and online chat included PFAS trends in the environment, differences in PFAS concentrations in fish species were observed but insufficient data was obtained in the current study to differentiate between fish species and fish trophic level, immune system response to PFAS was also referred to as a human health concern https://www.michigan.gov/mdhhs/0,5885,7-339-71548_54783_54784_101856-555944-,00.html and a link to information about PFAS from the EPA was shared “PFAS explained” <https://www.epa.gov/pfas/pfas-explained>

The following attendees provided oral updates and links on PFAS: John Cargill on DNREC monitoring including collection and analysis of fish, Eric Bind on biomonitoring by NJDOH, Joe Duris on USGS activities, and Matt Fritch on PWD activities including a PFAS Resource Characterization Study <https://water.phila.gov/pool/files/pwd-pfas-characterization-study-updated-2021-09-23.pdf> ,

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The desirability of data sharing and making data accessible was discussed.

The following links were provided as part of a discussion of available PFAS data in surface waters of the Delaware River Basin:

Per- and Polyfluorinated Alkyl Substances (PFAS) and associated ancillary data from the Commonwealth of Pennsylvania, USA, 2019

<https://www.sciencebase.gov/catalog/item/5e4d5e72e4b0ff554f6d146b>

Hydrologic and Water Quality Studies of PFAS in Pennsylvania

<https://www.usgs.gov/centers/pennsylvania-water-science-center/science/hydrologic-and-water-quality-studies-pfas>

Contaminants in groundwater near former Navy bases in southeastern Pennsylvania

https://www.usgs.gov/centers/pennsylvania-water-science-center/science/contaminants-groundwater-near-former-navy-bases?qt-science_center_objects=0#qt-science_center_objects

Former Naval Air Station Joint Reserve Base Willow Grove

https://www.bracpmo.navy.mil/brac_bases/northeast/reserve_base_willow_grove.html

Former Naval Air Warfare Center Warminster

https://www.bracpmo.navy.mil/brac_bases/northeast/former_warfare_center_warminster.html

A link was also provided to the Notice of Establishment of an Interim Specific Ground Water Quality Criterion for Constituents in Class II-A Ground Water for CI-PFPECAs

[NEW JERSEY REGISTER | PAW Document Page \(lexis.com\)](#)

Presentations and meeting materials are posted on the Commission website at

https://www.nj.gov/drbc/about/advisory/TAC_jan2022.html.

TAC member participants were John Cargill, DE; Roop Guha, Sandra Goodrow, and Steve Seeberger, NJ; Jason Fagel, NY; Maria Schumack, PA; David Velinsky, Tracy Carluccio, Bart Ruitter, Scott Northey, Jason Cruz, Matt Fritch, Eric Bind, Diana Oviedo-Vargas, Brent Gaylord, EPA-R2 and Kuo-Liang Lai, EPA-R3 with fifty-one other participants.

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Participant List

Ron MacGillivray	DRBC
Willington Lin	Navy
John Cargill	DNREC
Eric Bind	NJDOH
Ann Faulds	FOHR
Dawn M. DeFreitas	Navy
Sue Herbert	Terta Tech
Ian McMullen	DNREC Div Water, ELS
Maria Schumack	PADEP
David Velinsky	ANS Drexel U
Tricia Moore	Tetra Tech
Alison Aminto	PWD
Seetha Coleman-Kammula	STRIDE Center for PFAS Solutions
Jake Bransky	DRBC
Matthew Miller	Aqua PA
Pam Bush	DRBC
Tracee Cain	
Elaine Panuccio	DRBC
Amy McMullen	PADEP HSCA Cental Office
Michael Dillon	Manko Gold Katcher & Fox
Emily Woodward	USGS
Sandra Goodrow	NJDEP
John Yagecic	DRBC
Kevin Pregent	DRBC
Craig Marleton	Aqua
Lisa Senior	USGS
Douglas Austin	EPA
Jay Cruz	PWD
Namsoo Suk	DRBC
Joe Duris	USGS PAWSC
Drew Reif	USGS

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Scott Northey	Chemours
Tracy Carluccio	DRN
Kristian Fried	Integral Consulting Inc.
Brent Gaylord	EPA Region 2
Diana Oviedo Vargas	Stroud
Jason Fagel	NYDEC
Matthew Fritch	PWD
Carol Armstrong	FOHR
Praveen Galigutte	DNREC Div Water
Jean Bart Ruiter	Chemours
Kuo-Liang Lai	EPA Region 3
Steve Seeberger	NJDEP
Roop Guha	NJDEP
Melissa Muroff	Del Co District DA Office
Anna Robuck	Mt Sinai
Kurt Reynertson	J&J
Sarah Kloss	EPA Region 2
Brian Coleman	STRIDE Center for PFAS Solutions
Kelly Anderson	PWD
Amanda Obosnenko	Aqua PA
Michelle Vetterlein	Dow
Kimberly Hudson	EPA Region 2
Laura Lockard	DNREC Div Water
Mi-Ling Li	UDEL
Carl DuPoldt	Green Bld Solutions
Melissa Bross	ANS Drexel U
Michelle Gannon	
Leah Zedella	EPA
Kristen Bowman Kavanagh	DRBC
Irene Fitzgerald	DELCORA
Gregory Cavallo	Retired DRBC /Consultant