

08:16:12 From Cindy Cicigoi : You can type your questions in the chat at any time.

08:19:07 From Kingsley Acha : In relation to PFAS, is the waste water treatment plant efficient in removing PFAS? Which method is used because much research is going on towards the use of activated carbon filters

08:26:26 From Jennifer McMillin : Congrats on Green Lab certification!! Nice work.

08:26:37 From Christopher Winslow : Reacted to "Congrats on Green La..." with 🙏

08:26:40 From Michael Bean : Reacted to "Congrats on Green La..." with 🙏

08:46:01 From Rusty Deane : Sailors love that buoy data too!!

08:51:42 From Samantha Martin : Reacted to "Sailors love that bu..." with ❤️🙏

08:54:03 From Ryan Rehmer : Stone Laboratory was a fantastic experience and recommend it for anyone who has a college student in sciences.

08:54:18 From Marie Fehik-Kirk : Reacted to "Congrats on Green La..." with 🙏

09:06:59 From kathy smachlo : You mentioned low % of P sources, but not what is the major source—is it farms?

09:08:17 From Laurel Sheppard : Where does the Great Lakes Protection Fund fit in? Great Lakes Alliance?

09:08:27 From Rusty Deane : Reacted to "Sailors love that bu..." with ❤️🙏

09:08:28 From Rusty Deane : Removed a ❤️🙏 reaction from "Sailors love that bu..."

09:08:46 From Kingsley Acha : How is the dredged material treated before reuse? I understand it is a huge volume.

09:10:02 From Laurel Sheppard : What's the status of the Grand River?

09:12:52 From Christopher Winslow :  
<https://ohioseagrant.osu.edu/research/collaborations/habs>

09:14:12 From Michael Bean : Reacted to "https://ohioseagrant..." with 🙏

09:15:43 From Christopher Winslow : Kathy, rest is coming from landscape runoff. Because most of the land within the Maumee watershed is used for agricultural purposes, yes....75-85% of nutrients are coming from agricultural fields (farms). Thankfully, many farmers are working with the Ohio Department of Agri., USDA, and folks on this call to reduce their runoff.

09:16:07 From Michael Bean : Reacted to "Kathy, rest is comin..." with 🙏

09:16:18 From Christopher Winslow : Ryan, thanks for the kind words.

09:16:53 From Christopher Winslow : You can look at classes and register here....<https://ohioseagrant.osu.edu/education/stonelab>

09:17:16 From Ryan Rehmer : Reacted to "Ryan, thanks for the..." with 🙏

09:19:25 From Christopher Winslow : Laurel, both the Great Lakes Protection Fund and work of the Great Lakes Alliance support many of the efforts you heard about today. I personally sit on many grant review panels and work with both federal and state agency staff. This ensures that research is not duplicative but that augments ongoing efforts.

- 09:20:32 From Christopher Winslow : We, Ohio Sea Grant and Stone Lab, don't work much on/in the Grand River. Perhaps NEORSD can weigh in during Q&A.
- 09:21:19 From Laurel Sheppard : Thanks, Christopher.
- 09:28:13 From Christopher Winslow : Acha, OEPA, USEPA, USGS, and US Army Corps have, and continue to take sediment samples from many, many locations to ensure it isn't "contaminated". There are still certain river miles that have contaminated sediments that can't be used for all or any of the "beneficial uses" I highlighted (farm field placement, construction materials, wetland restoration). These sediments are still placed in upland containment facilities. No open lake disposal.
- 09:34:30 From kathy smachlo : I would think that incineration of biosolids would lead to release of toxins into the air, water, soil, and the residue from the burning. What is known about this? Biosolids used on farm fields can contain PFAS and other toxins. How is this being approached? Is treated water being tested for PFAS, phthalates, micro plastics, etc?
- 09:35:45 From august fluker : Our youth is our greatest asset. Awesome?
- 09:36:04 From Christopher Winslow : Reacted to "Our youth is our gre..." with 🤔
- 09:37:06 From Samantha Martin : Reacted to "Our youth is our gre..." with ❤️🤔
- 09:37:25 From Drew Ferguson : Replying to "Our youth is our gre..."

We truly believe that the equitable human investment in water connectivity in Northeast Ohio is as critical as the physical infrastructure.

- 09:40:39 From Kingsley Acha : Granulated activated carbon removes more than 90 % of antibiotics
- 09:41:02 From Drew Ferguson : <https://davisam.org/>
- 09:42:16 From Kingsley Acha : Backwash is a method that can be used to extend the life span of the filters and when the life span is out, it is burnt
- 09:44:34 From Kingsley Acha : much studies is going on in Sweden using carbon filters to remove PFAS because pilot studies already show that the filters are efficient in removing more than 90% of antibiotics
- 09:48:04 From David Servidio : Microplastics are a concern and gaining a lot of attention these days. Is the District studying microplastics? If so, do concentrations of microplastics appear to be increasing in waterbodies within the District's service area?
- 09:49:20 From Michael Bean : Do you have data, post dam removals, Akron system improvements, on the Cuyahoga River? Overall quality...etc
- 09:50:06 From Laurel Sheppard : Microplastics have been found in human blood and in bottled water! And in deep parts of the ocean. It's everywhere!
- 09:54:29 From David Servidio : Wow, thanks everyone for the input on microplastics!

09:58:26 From Michael Bean : This has been a great presentation! Thanks to everyone involved!

09:58:31 From kathy smachlo : Some farms have been shut down by EPA due to PFAS contamination.

10:00:03 From Marie Fechik-Kirk : <https://cuyahogaaoc.org/>

10:00:11 From Michael Bean : Reacted to "<https://cuyahogaaoc....>" with 🙏

10:00:37 From Michael Bean : Replying to "<https://cuyahogaaoc....>"

Thank you!

10:01:30 From Christopher Winslow : [winslow.33@osu.edu](mailto:winslow.33@osu.edu)

10:02:27 From Scott Broski : [broskis@neorsd.org](mailto:broskis@neorsd.org)

10:02:41 From Christopher Toddy : Thank you!

10:02:42 From David Cox : thank you