

## Water Research Webinar Series

A bimonthly webinar series focused on EPA's water research

# Water Treatment Modeling Tools for Removing PFAS and Other Contaminants

Wednesday, April 29, 2020 from 2:00 to 3:00 pm ET

Registration: [attendee.gotowebinar.com/register/4501792435699697677](https://attendee.gotowebinar.com/register/4501792435699697677)



A certificate of attendance for one contact hour will be offered for this webinar

Even though carbon adsorption can be an effective treatment technology for removing organic compounds, such as PFAS, from water, it can be expensive or may not achieve desired removal objectives if improperly designed. Proper full-scale design of this adsorption process typically results from carefully controlled pilot-scale studies that are used to determine important design variables, such as the type of adsorbent, empty bed contact time, and bed configuration. However, these studies can be time consuming and expensive if they are not properly planned. To meet the need for planning effective studies and to help alleviate expense, EPA has signed an agreement with Michigan Technological University to make a series of adsorption models available to the public at no cost.

This webinar will provide an overview of the series of adsorption models, along with examples of how they can be used to help design pilot treatment systems and provide a first-cut prediction of full-scale results. The information generated from the models will provide states and utilities with a better understanding of the fundamentals of carbon adsorption and what that means to the operation, performance, and costs associated with this technology.

### Presenter:

**Thomas F. Speth, Ph.D.**



Tom is the Associate Director for Science for EPA's Center for Environmental Solutions and Emergency Response,

where he is leading efforts on PFAS, lead, and small water systems. He is a professional engineer who has worked in the field of water treatment research at EPA since 1986. Over his career, Tom has been active in numerous organizations, including the American Water Works Association and the Water Research Foundation where he has served as Trustee, Chair, and EPA Liaison on numerous divisions, committees, and advisory boards. ([speth.thomas@epa.gov](mailto:speth.thomas@epa.gov))

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