

**Minnesota 3M PFC Settlement  
Drinking Water Supply Technical Subgroup 1 Meeting  
January 16, 2019 Meeting Notes**

Members in attendance:

Brian Bachmeier		Gary Krueger
Dave Brown		Steve Love
Chris Bryan		Jason Moeckel
Ryan Burfeind		Tony Runkel
Stephen Ebner		Stephanie Souter
Jack Griffin		Jim Stanton
Kurt Haakinson		Richard Thron
Jon Herdegen		Jamie Wallerstedt
Greg Johnson		Jim Westerman
Jim Kotsmith		

Presenters:

- Shalene Thomas and Brian McBride, Wood
- Terill Hollweg and Dave Mills, Abt Associates (Abt)
- Karla Peterson, Minnesota Department of Health (MDH)

### **Welcome and Introductions**

Jason Moeckel (DNR) and Gary Krueger (MPCA) welcomed Subgroup 1 and invited the subgroup members to introduce themselves.

### **Updates**

Jason and Gary provided updates from the recent work group meetings. The Citizen-Business Group met yesterday, and the Government and 3M Working Group met today. The co-Trustees discussed their recent meeting with the legislators, the reports they are developing, and updates on private well PFAS sampling. The work group members discussed project ideas for Priority 1, including expedited projects and long-term options. The work groups also received updates on Subgroup 1 activities and next steps for standing up Subgroup 2.

### **Check-in**

Jason asked for the subgroup members' thoughts on the last meeting and if they had any questions on their roles/responsibilities and the scope of the Conceptual Drinking Water Supply Plan. There was a discussion on the role of the contractors, last months' data request, and the group's role in evaluating regional approaches.

### **Overview of Goals and Data for Regional Community Water System Profiles**

Brian McBride (Wood) presented an overview of the goals and data needs for the regional community water system profiles effort. As part of this presentation, Brian discussed the objectives of the effort, the types of information that are needed, how the information will be used, and the methods for gathering and processing the information. Brian emphasized that the community water system profiles and

modeling are essential to determine the right fit for drinking water solutions. To date, Wood has already compiled a large amount of information. Wood will be working with each community directly to identify and incorporate any additional information needed. The proposed deadline for collecting the community profile information is February 1st.

Brian also discussed the initial set of technical options to be considered in the Conceptual Drinking Water Supply Plan. These options include the four alternatives evaluated in the Washington County Municipal Water Coalition Water Supply Feasibility Assessment, as well as four additional alternatives. The subgroup discussed additional options, such as the reuse of water and regional water systems. The subgroup also had questions on how the different options will be evaluated and the final output of the model that will be supporting the Conceptual Drinking Water Supply Plan. The initial list of technical options will be provided to the subgroup for further review, noting final suggestions for additional options need to be received by February 12th.

### **Public Comments and Questions**

Members of the public were given the opportunity to ask questions.

### **Presentation on PFAS Treatment for Drinking Water and Uncertainties**

Shalene Thomas (Wood) and Karla Peterson (MDH) provided a presentation on PFAS treatment options for drinking water and potential considerations when evaluating options.

First, Shalene provided an overview of how technologies move through the stages of development, the current status of PFAS technologies, the key variables to consider in selecting a treatment option, and an overview of the three technologies currently in use to treat water with PFAS contamination (i.e., granular activated carbon, ion-exchange, and membrane filtration/reverse osmosis).

Karla provided additional input on considerations when evaluating these technologies, including public health, environment, capital costs, operation and management costs, and changing science. Karla also noted that while only granular activated carbon is currently approved to treat PFAS in MN, MDH plans to start evaluating other technologies for treating PFAS in the near future.

### **Next Steps**

Shalene provided an overview of Wood's scope for the development of the Conceptual Drinking Water Supply Plan. Key components include drinking water and groundwater modeling, water supply alternatives analysis, and water supply feasibility analysis. There was a discussion about ensuring existing information and models are used to the extent feasible, capturing growth and community-specific information into the profiles, the specificity of the preferred alternative, and the importance of a collaborative process.

Shalene provided an overview of the new SharePoint site that will be used by the subgroup to compile, organize, share, and review information. The subgroup members will be receiving an invitation to the SharePoint site in the next few days.

Jason and Gary asked the subgroup for input on future agenda items. The subgroup members requested presentations on rural water systems, regional water systems, other communities that have addressed PFAS contamination, and the proposed groundwater modeling effort.

Terill Hollweg (Abt) revisited the homework assignments for Subgroup 1, including providing additional information for the community water system profiles and reviewing the initial list of technical options. MPCA and DNR will provide additional guidance in a follow-up email.

Dave Mills (Abt) revisited the request to have interim meetings.

The next meeting will be held on February 20, 2019.

### **Public Comments and Questions**

Members of the public were given the opportunity to ask questions.