

## Minnesota 3M PFC Settlement

### Agenda for Drinking Water Supply Technical Subgroup 1 Meeting

Wednesday, June 19, 2019

1:00 p.m.-4:00 p.m.

Cottage Grove City Hall — Training Room  
12800 Ravine Parkway South, Cottage Grove

#### Meeting Purpose:

- Achieve a common understanding of progress to date on Settlement activities
- Obtain Subgroup 1 input on expedited projects and the Conceptual Drinking Water Supply Plan process
- Clearly identify next steps.

1. Welcome	Jason Moeckel – DNR Gary Krueger – MPCA Milt Thomas – MPCA	1:00 pm
2. Updates a. Work groups b. Ion Exchange pilot study c. Lake Elmo and St. Paul Park projects d. May 29th LGU meeting	Jason Moeckel – DNR Gary Krueger – MPCA	
3. Check-in and feedback on: a. June 5th Watershed Districts meeting b. Other items?	Jason Moeckel – DNR Gary Krueger – MPCA Milt Thomas – MPCA	
4. Expedited Projects: Feedback and questions from Subgroup 1 members	Terill Hollweg – Abt Associates	
5. Comments and questions	Milt Thomas – MPCA	2:30 pm
6. Break		2:40 pm
7. Update on Conceptual Drinking Water Supply Plan a. Drinking water and groundwater modeling b. Concept-level project meetings c. Process map	Jim Feild – Wood Brian Hamrick – Wood Hannah Albertus-Benham – Wood Shalene Thomas – Wood	2:50 pm
8. Upcoming tasks, interim deliverables, homework, and timeline	Hannah Albertus-Benham – Wood	
9. Upcoming meetings and review/request for specific agenda items	Terill Hollweg – Abt Associates Jason Moeckel – DNR Gary Krueger – MPCA	
10. Comments and questions	Milt Thomas – MPCA	3:50 pm

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## Drinking Water Supply Technical Subgroup 1 Meeting

### June 19, 2019 Meeting Notes

Group members in attendance:

Brian Bachmeier	Jack Griffin	Jason Moeckel
David Brown	Stu Grubb	Matt Moore
Chris Bryan	Jon Herdegen	Stephanie Souter
Ryan Burfeind	Mary Hurliman	Jim Stanton
Dan DeRudder	Greg Johnson	Ryan Stempski
Stephen Ebner	Gary Krueger	Richard Thron

Presenters:

- Jason Moeckel, Minnesota Department of Natural Resources (DNR)
- Gary Krueger, Minnesota Pollution Control Agency (MPCA)
- Terill Hollweg, Abt Associates (Abt)
- Shalene Thomas, Wood
- Brian Hamrick, Wood
- Jim Feild, Wood
- Hannah Albertus-Benham, Wood
- Milt Thomas, facilitator, MPCA

### Welcome and Updates

Gary Krueger (MPCA) and Jason Moekel (DNR) welcomed Subgroup 1 and provided a series of updates, including:

- The Co-Trustees (MPCA and DNR) are close to finalizing agreements for two projects to address PFAS-related issues in the East Metropolitan Area, including: a new municipal well in Lake Elmo; and a temporary treatment system in St. Paul Park.
- At the work group meetings yesterday and today, the work groups had good discussions about the proposed expedited projects. Work group members provided input and asked questions on projects, and the Co-Trustees will be considering their feedback when they make their funding decisions.
- Cottage Grove submitted their final proposal for the ion exchange pilot study. As proposed, the pilot study would evaluate ion exchange as a potential treatment technology for removing PFAS from drinking water.
- The Co-Trustees held a meeting with the local governmental units (LGUs) on May 29<sup>th</sup> in Cottage Grove. It was well attended, and the Co-Trustees gave an overview of the progress to date and upcoming settlement activities.
- MPCA, DNR, and Wood held a meeting with the watershed districts on June 5<sup>th</sup> to the groundwater model and available data.
- A status update on Project 1007 will be provided at the July meeting.

### **Expedited Projects: Feedback and Questions**

Subgroup 1 members discussed the proposed expedited projects. First, Terill Hollweg (Abt) provided an update on the expedited project process. A request for expedited project applications was opened from April 10<sup>th</sup> to May 25<sup>th</sup>. A total of 18 applications were received by the deadline date, totaling approximately \$26.8 million. Applicants included the cities and communities within the East Metropolitan Area, Washington County, and other individuals and organizations.

The subgroup discussed a range of topics, including:

- Questions and clarifications on specific projects
- Thoughts or concerns with aspects of projects
- General filters to use when applying the eligibility criteria to the proposed projects
- The importance of consistency in funding across projects.

The Co-Trustees will be making the final funding decisions on expedited projects in early July, and will be considering the input of the work groups and Subgroup 1. The Co-Trustees intend to share their decisions with the subgroup during the July meeting.

### **Public Comments and Questions**

Members of the public were given the opportunity to ask questions. A member of the public noted the importance of communicating the change out requirements for granular activated carbon (GAC) filters.

### **Update on the Conceptual Drinking Water Supply Plan**

Brian Hamrick, Jim Feild, Hannah Albertus-Benham, and Shalene Thomas (Wood) provided an update on the Conceptual Drinking Water Supply Plan.

First, Brian Hamrick provided an update on the drinking water modeling effort. Brian noted that the drinking water models are 90-95% complete. Currently, Wood is quality checking (QCing) the community models. Once that is done, next steps include: sharing the models with the LGUs for their review of the assumptions; identifying and addressing any issues; combining community models into a regional model; incorporating expedited projects and future/proposed infrastructure; and using the model to evaluate the scenarios.

Second, Jim Feild provided an update on the groundwater modeling effort. Recently, Wood has submitted the geologic model to the Minnesota Geological Survey (MGS) and DNR for review. Wood also met with the watershed/conservation districts to learn more about available data. Current tasks include: revising the geological model based on MGS/DNR review; plotting groundwater model elevations; compiling pumping data; and plotting PFAS data by aquifer. There was a question on the model outputs, but Jim noted they are still focused on model construction.

Third, Hannah Albertus-Benham provided an update on identifying concept-level projects. Hannah noted that Wood recently met with representatives from the communities to begin identifying concept-level projects. General topics of discussion included the community's preferences and objectives, types of projects that are more or less favorable, and municipal ordinances in place that may restrict options. They also discussed the water supply improvement options, expedited projects, and the process for evaluating projects and scenarios. As a next step, Wood plans to hold another set of meetings with the communities to continue the discussion. The work group members acknowledged that these meetings were very valuable. One work group member mentioned that there was a discussion about having a group meeting for the rural water communities to collectively discuss options.

Last, Shalene Thomas discussed the general process for completing the Conceptual Drinking Water Supply Plan. There are three primary activities to the process, including: (1) the screening of the water supply improvement options; (2) the evaluation of concept-level projects; and (3) the evaluation of scenarios. Wood is currently drafting the process for completing these activities, and plans to share this at the next Subgroup 1 meeting in July.

#### **Upcoming Tasks, Interim Deliverables, Homework, and Timeline**

Hannah Albertus-Benham (Wood) gave a presentation on upcoming activities and interim deliverables from June through September. Upcoming tasks include: providing input on concept-level projects (Wood will continue to reach out to Subgroup 1 members), and reviewing the draft groundwater Conceptual Site Model (July). One Subgroup 1 member asked about the process to submit concept-level projects if you are not an LGU. Wood responded that the plan is to coordinate with all Subgroup 1 members.

#### **Upcoming Meetings and Review/Request for Specific Agenda Items**

Terill Hollweg (Abt) revisited the meeting schedule. The next monthly Subgroup 1 meeting is scheduled for July 17<sup>th</sup>. Terill asked the Subgroup 1 members if they had any specific agenda items they would like to see at future meetings. Topics included the process map and the weighting of the Priority 1 criteria.

#### **Public Comments and Questions**

Members of the public were given the opportunity to ask questions. No questions or comments were offered.