

## Minnesota 3M PFC Settlement

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

Wednesday, April 17, 2019

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

Cottage Grove City Hall — Training Room

12800 Ravine Parkway South, Cottage Grove

**Meeting Purpose:** Provide updates and check-in on planning activities; provide an update on the drinking water model, the groundwater Conceptual Site Model, and the Conceptual Drinking Water Supply Plan; discuss next steps on the development of the Conceptual Drinking Water Supply Plan.

1. Welcome	Jason Moeckel – DNR Gary Krueger – MPCA Milt Thomas – MPCA	5 minutes
2. Updates a. Work groups b. Lakeland Shores c. Expedited project process d. Project updates e. Ion Exchange pilot study	Jason Moeckel – DNR Gary Krueger – MPCA	15 minutes
3. Check-in and feedback on: a. April 3rd meeting b. Other items?	Jason Moeckel – DNR Gary Krueger – MPCA Milt Thomas – MPCA	10 minutes
4. Update on drinking water model results, assumptions, and uncertainties	Brian McBride – Wood Erin Daugherty – Wood	40 minutes
5. Comments and questions	Milt Thomas – MPCA	10 minutes
6. Break		10 minutes
7. Update on groundwater Conceptual Site Model	Jim Feild – Wood	30 minutes
8. Update on the Conceptual Drinking Water Supply Plan: Purpose, terminology, timeline, chapters ready for review	Terill Hollweg – Abt Associates	20 minutes
9. Upcoming tasks, interim deliverables, homework, and timeline	Hannah Albertus-Benham – Wood	15 minutes
10. Next steps: Upcoming meetings and review/request for specific agenda items	Terill Hollweg – Abt Associates Jason Moeckel – DNR Gary Krueger – MPCA	15 minutes
11. Comments and questions	Milt Thomas – MPCA	10 minutes

**Minnesota 3M PFC Settlement  
Drinking Water Supply Technical Subgroup 1 Meeting  
April 17, 2019 Meeting Notes**

Group members in attendance:

Brian Bachmeier	Jack Griffin	Stephanie Souter
Dave Brown	Chris Hartzell	Jim Stanton
Chris Bryan	Jon Herdegen	Ryan Stempski
Ryan Burfeind	Greg Johnson	Richard Thron
Dan DeRudder	Gary Krueger	Jim Westerman
Stephen Ebner	Tony Runkel	

Presenters:

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

**1. Welcome and Updates**

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

- At the Work Group meetings this month:
  - The Minnesota Department of Health (MDH) provided an update on the new PFAS health-based values for PFOS and PFHxS
  - Gary Krueger provided an update on the 1007 project
  - The Co-Trustees (MPCA and DNR) submitted the April Settlement Legislative priority report.
- The Co-Trustees are now accepting project applications for consideration for expedited funding. A presentation was given at the Work Group meetings that discussed how applications can be submitted, the timeline for review and approval, and the process for obtaining Work Group feedback.
- The Co-Trustees are considering moving forward with two projects to address PFAS-related issues, including:
  - Lake Elmo: drilling a new municipal well
  - St. Paul Park: evaluating options for a temporary treatment system.
- The Co-Trustees are considering an ion exchange pilot study in Cottage Grove at their temporary treatment facility. Ryan Burfeind (Cottage Grove) provided some more detail on this project and mentioned that they will also be evaluating different types of granular activated carbon. There was a request to have the pilot project use water from different communities as a part of the study. There was also a request to have the Subgroup 1 members involved in the development and review of the proposal, and the implementation of the project.

**2. Check-in and Feedback from Subgroup Members**

Gary Krueger (MPCA) and Jason Moekel (DNR) provided updates on two recent meetings:

- On April 3rd, a meeting was held at Cottage Grove with the watershed districts
- The planned April 11th meeting with local officials was canceled due to weather.

Gary Krueger and Jason Moekel then asked the subgroup if they had any questions or comments. The topics discussed included:

- Stephanie Souter (Washington County) noted that the eligibility criteria for expedited projects included an expectation in regards to sealing wells if another drinking water source was provided. She said that Washington County has a program in place to help with this, if there is a need. The subgroup discussed this expectation and whether it's required in all instances (such as if the property owner would like to use the water for irrigation).
- There was a request to see the April 3rd presentations on the SharePoint site or Settlement website.
- There was a request to see the subcontractors' scope and budget.

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

Terill Hollweg (Abt) provided an update on the Conceptual Drinking Water Supply Plan (CDWSP), including an outline of the plan, the timeline, and an overview of the first three chapters. The draft Chapters 1-3 of the CDWSP will be posted to the SharePoint site next week for review and comment. Terill Hollweg noted that if the subgroup members are available and interested, their high-level review of the chapters would be appreciated. All comments on the CDWSP should be documented in an excel comment form, with comments posted to the SharePoint site by May 10th. In responding to a question regarding the list of water supply improvement options, Terill Hollweg clarified that the options that referenced the Washington County Water Supply Feasibility Assessment are not limited to the scope presented in that document. There was also discussion about the approach for developing and evaluating the scenarios included in the CDWSP.

### **4. Public Comments and Questions**

Members of the public were given the opportunity to ask questions. One member of the public noted that the City of Bemidji conducted an ion exchange pilot study, and suggested that it would be worth talking to the group that performed this study.

### **5. Update on the Groundwater Conceptual Site Model**

Jim Feild (Wood) provided an update on the groundwater model. He discussed the outline of the conceptual site model memorandum, the potential groundwater model objectives, the areal coverage of the model, the proposed model layers for bedrock, and next steps. There was discussion about the extent of the model area and potential data that are available for groundtruthing.

### **6. Update on the Drinking Water Model Results, Assumptions, and Uncertainties**

Erin Daugherty (Wood) provided an update on the drinking water model. She discussed the objectives of the model, the schedule, the information that is being collected and processed, and next steps. As part of the data processing, she discussed how the Wood team is compiling public water supply information from each of the communities and converting to a common format to use in the model. One subgroup member noted that there is additional information that could be pulled in for one community.

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

Hannah Albertus-Benham (Wood) gave a presentation reviewing the timing of the different efforts for Subgroup 1 for April through July, highlighting the interim deliverables that will soon be ready for review, including Chapters 1-3 of the CDWSP and the groundwater conceptual site model.

### **8. Next Steps: Upcoming Meetings and Review/Request for Specific Agenda Items**

Terill Hollweg (Abt) asked the Subgroup 1 members if they have any specific agenda items they would like to see at future meetings. Suggested topics included:

- The recent report the Metropolitan Council published looking at ways to reduce water use
- Revisit the groundwater model and its capabilities to model PFAS contamination and the movement of the PFAS plume
- An update from MDH on the change in the health-based values for PFAS.

### **9. Public Comments and Questions**

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