

Minnesota 3M PFC Settlement

Agenda for Drinking Water Supply Technical Subgroup 1 Meeting

Wednesday, January 15, 2020

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

Woodbury City Hall — Ash/Birch Conference Rooms

8301 Valley Creek Rd, Woodbury

Meeting Purpose:

- Achieve a common understanding of progress to date on Settlement activities
- Provide an update on Project 1007
- Clearly identify next steps.

1. Welcome and check-in	Jason Moeckel – DNR Gary Krueger – MPCA Milt Thomas – MPCA	1:00 pm / 10 minutes
2. Updates a. Work groups b. Proposed public input process	Jason Moeckel – DNR Gary Krueger – MPCA	1:10 pm / 10 minutes
3. Conceptual Drinking Water Supply Plan update	Hannah Albertus-Benham – Wood Shalene Thomas – Wood	1:20 pm / 30 minutes
4. Mt. Simon analysis	John Seaberg – DNR Glen Champion – DNR Jason Moeckel – DNR	1:50 pm / 30 minutes
5. Public comments and questions	Milt Thomas – MPCA	2:20 pm / 10 minutes
6. Break		2:30 pm / 10 minutes
7. Project 1007 update	Rebecca Higgins – MPCA Amanda Lanning – AECOM Marie De Los Santos – AECOM	2:40 pm / 60 minutes
8. Next steps: Upcoming activities and tasks, future meetings, and agenda items to request	Terill Hollweg – Abt Associates Jason Moeckel – DNR Gary Krueger – MPCA	3:40 pm / 10 minutes
9. Public comments and questions	Milt Thomas – MPCA	3:50 pm / 10 minutes

**Minnesota 3M PFC Settlement
Subgroup 1 Meeting
January 15, 2020, Meeting Notes**

Group members in attendance:

Marian Appelt	Gary Krueger
Brian Bachmeier	Jason Moeckel
Ryan Burfeind	Matt Moore
Brian Davis	Karla Peterson
Jack Griffin	Richard Thron
John Hanson	Molly Wellens
Jon Herdegen	Jim Westerman
Greg Johnson	

Presenters:

- Gary Krueger, Minnesota Pollution Control Agency (MPCA)
- Jason Moeckel, Minnesota Department of Natural Resources (DNR)
- Hannah Albertus-Benham, Wood
- Glen Champion, DNR
- Rebecca Higgins, MPCA
- Amanda Lanning, AECOM
- Marie De Los Santos, AECOM
- Terill Hollweg, Abt Associates (Abt)
- Milt Thomas, facilitator, MPCA

Welcome and check-in

Gary Krueger (MPCA) and Jason Moeckel (DNR) welcomed the subgroup.

Updates

Gary Krueger (MPCA) provided a few updates, including:

- Cottage Grove and Woodbury have put in requests for temporary treatment systems.
- In addition to some of the same topics on today's agenda, the main work groups discussed the public input process for the upcoming public meetings.
- PFAS-containing foam was found in Raleigh Creek. This will be discussed during the Project 1007 update.

Conceptual Drinking Water Supply Plan update

Hannah Albertus-Benham (Wood) provided an update on the scenario development and modeling. Using the final conceptual project list, Wood is grouping the conceptual projects into four scenario groups, including (1) community-specific; (2) regional supply; (3) treatment; and (4) integrated. Once grouped, Wood is analyzing the scenarios using the drinking water and groundwater models.

To date, Wood has developed results for the treatment scenarios (2020 populations) and regional surface water supply scenarios. As a next step, Wood will finalize the analyses for all four scenarios. The full results will be shared with the two work groups and Subgroup 1 in mid-February, and discussed at the February Subgroup 1 meeting.

There was a discussion about some of the technical and costing aspects of the scenarios. One subgroup member asked about the review process for the groundwater model. Hannah noted that Wood has been working closely with MPCA, DNR, MDH, and Minnesota Geological Survey (MGS) on the model development throughout the process. Wood will also be including information on the model development in the appendices, which will be shared with the Subgroup 1 members for review.

Mt. Simon analysis

Glen Champion (DNR) presented on the recent analysis looking at the potential use of the Mt. Simon aquifer for drinking water. He provided an overview of the Mt. Simon aquifer, potential areas of analysis, and the analysis methods and results. Overall, they found that the potential for using the Mt. Simon aquifer is limited. Thus, Wood will not include well fields drilled to the Mt. Simon aquifer as part of the regional scenarios. However, Mt. Simon supply wells may be considered in specific circumstances where fewer wells are necessary.

The subgroup members had a few questions related to the technical aspects of the analysis.

Public comments and questions

Members of the public were given the opportunity to ask questions. One member of the public asked about how to get maps of the 3M disposal sites. Gary Krueger (MPCA) suggested to look at the MPCA website for this information. Another member of the public asked if UV has been tested to break down PFAS. Karla Peterson (MDH) mentioned that granular activated carbon and ion exchange are the two common technologies used to treat drinking water. Shalene Thomas (Wood) added that there are a number of technologies that are being developed and noted that a work group presentation from December 2018 presented on this topic.

Project 1007 update

Rebecca Higgins (MPCA), Marie De Los Santos (AECOM), and Amanda Lanning (AECOM) provided an update on Project 1007. This project is included in the 2018 3M Settlement, which states: “the MPCA shall conduct a source assessment and feasibility study regarding the role of the Valley Branch Water District’s project known as Project 1007 in the conveyance of PFCs in the environment.” To conduct this study, MPCA has retained AECOM and is also coordinating efforts with DNR, MDH, MGS, the Minnesota Department of Transportation, the Valley Branch Water District, and the University of Minnesota.

First, Rebecca provided an overview of Project 1007, PFAS transport pathways in the East Metropolitan Area, and the investigation progress to date. Second, Marie discussed the different factors that need to be considered when conducting this study and the phased investigation approach. Third, Amanda discussed the below ground investigations. Lastly, Rebecca talked about the results from the above ground investigations. Importantly, Rebecca noted that during these investigations they found PFAS-containing foam in the Raleigh Creek area.

The subgroup members had a number of questions related to the technical aspects of the study and the PFAS-containing foam.

Next steps: upcoming activities and tasks, future meetings, and agenda items to request

Terill Hollweg (Abt) presented upcoming steps and deadlines, including:

- The full scenario results will be distributed to the subgroup prior to February's subgroup meeting
- The informational and listening sessions will be held during the last week of February.

The next Subgroup 1 meeting will be held on February 19, 2020, in Cottage Grove.

Public comments and questions

Members of the public were given the opportunity to ask questions. One member of the public asked about Subgroup 2 and 3. Liz Kaufenberg (MPCA) suggested they sign up to get email updates on the 3M Settlement website (<https://3msettlement.state.mn.us/>). Karla Peterson (MDH) asked whether the dates of the informational and listening sessions will be posted to the 3M Settlement website. Liz Kaufenberg (MPCA) confirmed that they would be added. Another member of the public asked about the treatment of wells in Woodbury. Jim Westerman (Woodbury) said that the City is working on getting the information out to the community and suggested to look at the Woodbury website for more information.