

Minnesota 3M PFC Settlement

Agenda for Drinking Water Supply Technical Subgroup 1 Meeting

Wednesday, November 20, 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 draft Chapters 4-6 of the Conceptual Drinking Water Supply Plan and future cost considerations
- Clearly identify next steps.

1. Welcome	Jason Moeckel – DNR Gary Krueger – MPCA Milt Thomas – MPCA	1:00 p.m.
2. Updates a. Work groups	Jason Moeckel – DNR Gary Krueger – MPCA	
3. Check-in and feedback on: a. October one-on-one meetings b. Other items?	Jason Moeckel – DNR Gary Krueger – MPCA Milt Thomas – MPCA	
4. Discuss draft Chapters 4-6 of the Conceptual Drinking Water Supply Plan	Terill Hollweg – Abt Associates Mark Lorie – Abt Associates	
5. Update on scenario development for the Conceptual Drinking Water Supply Plan	Shalene Thomas – Wood Hannah Albertus-Benham – Wood	
6. Public comments and questions	Milt Thomas – MPCA	2:20 p.m.
7. Break		2:30 p.m.
8. Update on scenario development for the Conceptual Drinking Water Supply Plan (cont'd)	Shalene Thomas – Wood Hannah Albertus-Benham – Wood	2:40 p.m.
9. Future planning and cost consideration discussion	Terill Hollweg – Abt Associates Mark Lorie – Abt Associates	
10. Next steps: Upcoming activities and tasks, future meetings, and agenda items to request	Terill Hollweg – Abt Associates Jason Moeckel – DNR Gary Krueger – MPCA	
11. Public comments and questions	Milt Thomas – MPCA	3:50 p.m.

**Minnesota 3M PFC Settlement
Drinking Water Supply Technical Subgroup 1 Meeting
November 20, 2019, Meeting Notes**

Group members in attendance:

Marian Appelt	Gary Krueger
Chris Bryan	Lucas Martin
Ryan Burfeind	Jason Moeckel
Brian Davis	Shawn Nelson
Dan DeRudder	Stephanie Souter
Jack Griffin	Richard Thron
Jon Herdegen	Jim Westerman
Greg Johnson	

Presenters:

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

Welcome

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

Updates and follow-up

Gary Krueger (MPCA) provided an overview of the two recent work group meetings. He also updated the subgroup on the public meetings that were held last month and the status of the capacity grants.

Discuss draft Chapters 4-6 of the Conceptual Drinking Water Supply Plan

Terill Hollweg (Abt) provided an update on the development of the Conceptual Drinking Water Supply Plan and asked for any initial subgroup feedback on draft Chapters 4-6. Six draft chapters were recently shared with the subgroup for review, including revised Chapters 1-3 (consisting of the introduction, background, and approach) and new draft Chapters 4-6 (consisting of the model development and results, water supply improvement option identification and evaluation, and conceptual project identification).

The subgroup members had no initial feedback. Subgroup members were asked to provide any additional feedback on the draft chapters 4-6 by December 2, 2019.

Update on scenario development for the Conceptual Drinking Water Supply Plan

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. As part

of this effort, Wood held meetings with the local government units (LGUs) to discuss the scenario groupings and followed-up with specific communities/entities as needed. Hannah also noted some refinements that Wood has made to the scenario groupings since last month.

As a next step, Wood will be evaluating the scenarios using the drinking water and groundwater models. Hannah noted that the groundwater model has been built, but during calibration, a software error was discovered. Wood is actively addressing the issue, but it is likely there will be a delay in the schedule by a few weeks. An update will be sent to the subgroup next week with the plan moving forward.

Next, Hannah discussed how the results will be summarized. It is currently anticipated the results summary will include an overview of the scenarios, maps of the projects included in each scenario, modeling considerations, and cost estimates (including capital costs as well as operations/maintenance costs). Hannah then discussed the assumptions for the scenario modeling and development, including those related to population growth, drinking water demand, and costs.

Finally, Hannah presented the series of maps that were developed for each of the scenarios. The subgroup members were then asked to review the maps during a break. After reviewing the maps, the subgroup members had a number of technical questions related to the scenarios and assumptions.

Due to the delay in the schedule, there was also a discussion about whether to hold the December subgroup meeting. The subgroup suggested that the December meeting be canceled and have an update via email instead.

Public comments and questions

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

Future planning and cost consideration discussion

Mark Lorie (Abt) facilitated a discussion on future planning and cost considerations, including considerations related to (1) future growth and development, (2) operations and maintenance, and (3) contingencies. Some subgroup members expressed support for using settlement funds for operations and maintenance, and contingencies. But, generally, the subgroup members thought this discussion would be easier to have once specific costs for each scenario were developed. The Co-Trustee plan to revisit this conversation in the future with work groups when more cost information is available. The subgroup was asked to provide any additional feedback via email as well.

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

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

- Review draft chapters 4-6 of the Conceptual Drinking Water Supply Plan (feedback by 12/2/2019)
- Review the expanded chapter 4 of the Conceptual Drinking Water Supply Plan (to be distributed in December)
- Review the partial preliminary results summary (to be distributed in December).

With the December meeting canceled, the next Subgroup 1 meeting will be held on January 15, 2020.

Public comments and questions

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