

**Minnesota 3M PFC Settlement
Drinking Water Supply Technical Subgroup 1 Meeting
September 18, 2019 Meeting Notes**

Group members in attendance:

Brian Bachmeier	Gary Krueger
Chris Bryan	Jason Moeckel
Ryan Burfeind	Matt Moore
Brian Davis	Tony Runkel
Stephen Ebner	Jim Stanton
Jack Griffin	Ryan Stempski
Jon Herdegen	Richard Thron

Presenters:

- Jason Moeckel, Minnesota Department of Natural Resources (DNR)
- Gary Krueger, Minnesota Pollution Control Agency (MPCA)
- Erin Daugherty, Wood
- Brian Hamrick, Wood
- Terill Hollweg, Abt Associates (Abt)
- Karla Peterson, Minnesota Department of Health (MDH)
- Milt Thomas, facilitator, MPCA

Welcome and Updates

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 and encouraged Subgroup 1 members to meet with their representatives from those work groups to coordinate on activities. He also updated the subgroup on the public meetings scheduled for October 22nd and 24th, 2019.

Conceptual Drinking Water Supply Plan (CDWSP) update and discussion

Conceptual project list

Erin Daugherty (Wood) explained the process for developing the draft conceptual project list. There were three primary steps to this process, including: (1) Wood developing preliminary conceptual project summaries based on discussions with local government units (LGUs); (2) Wood meeting with Subgroup 1 members to discuss the preliminary conceptual project summaries; and (3) Receiving additional project ideas from the public, work group members, and Subgroup 1 members via an online portal. Once compiled, Wood distributed the draft conceptual project list to the work groups and Subgroup 1 via SharePoint for review. This list included all potential projects (none were eliminated at this point).

Erin presented an example conceptual project summary for one of the communities. Each summary provides information on the community and the conceptual project list.

The subgroup members did not seem to have problems accessing SharePoint, but only a few members had a chance to look at the list ahead of the meeting. Erin asked the work group members to speak with Carson Smith (Wood) regarding SharePoint issues.

Erin presented the conceptual project list by (1) Source – Wood-submitted (which incorporated discussions with LGUs) or online-submitted; (2) Scale – regional, municipal, neighborhood, or individual; (3) Community; and (4) Water supply improvement option. Erin also presented the categories of potential conceptual projects, including: (1) Individuals on private wells and neighborhoods; (2) Local municipal; (3) Small-scale regional; and (4) Large-scale regional. She also described five projects that did not fit into any of the above categories.

Small break-out groups

The work group members broke into two groups and were asked to consider three questions: (1) Do the conceptual projects meet your expectations? (2) Are there projects that are missing that should be considered? (3) Are there any projects you are reconsidering?

The subgroup provided feedback after the small group discussions, including:

- The importance of considering the current infrastructure and treatment plants (mostly developed for groundwater)
- Looking at the feasibility of interconnects
- Refining the project list, including removing duplication, providing additional project information, and fixing technical errors
- Incorporating projects proposed by MDH
- Looking at the cost analysis
- Looking at options for Washington County parks
- Considering how the geology affects contaminant movement
- Using private wells for fire protection and irrigation.

There was also a question on how water will be treated. Erin explained granular activated carbon (GAC) is the primary treatment option being considered.

Comments on the conceptual project list (including additional project ideas) should be sent to pfcinfo.pca@state.mn.com by September 25, 2019. The goal is to have a final list by the end of the month.

Next steps

Brian Hamrick (Wood) discussed next steps on the development of the Conceptual Drinking Water Supply Plan. Once the conceptual project list is finalized, the conceptual projects will be grouped into four scenarios: (1) Community-specific; (2) Regional supply; (3) Treatment; and (4) Integrated. Over the next two months, Wood will evaluate the scenarios using their drinking water and groundwater models. As part of this, Wood will meet with the LGUs to ensure they are appropriately modeling the drinking water supply infrastructure. Wood will also develop costs for each scenario. These results will inform the preliminary results summary developed in December. The work groups, Subgroup 1, and the public will be given the opportunity to review the preliminary results summary in January and February 2020. The Conceptual Drinking Water Supply Plan is anticipated to be finalized in March 2020.

The subgroup members had questions on (1) how the costing would be completed and (2) how future growth would be taken into account.

Public comments and questions

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

Minnesota Department of Health (MDH) update

Karla Peterson (MDH) provided an update on the MDH health study and well factsheet.

MDH health study

MDH has not yet been informed if their MDH health study was funded. However, if they are awarded, they can provide an update at one of the next meetings. MDH also developed a factsheet on the study which can be found on the MDH website:

<https://www.health.state.mn.us/communities/environment/hazardous/docs/pfas/pfashealthimp.pdf>.

Well factsheet

MDH developed a draft factsheet on the costs and benefits of private well owners connecting to a public water supply system. The factsheet addresses both financial benefits and costs as well as non-financial benefits and costs.

Work group members provided comments and questions on the factsheet. Additional comments and questions should be emailed to Karla Peterson within the next two weeks.

Other water system examples

Terill Hollweg (Abt) discussed the list of other water system examples that was circulated before the meeting. Some of the examples had already been presented to the work group previously. There were no comments or questions from the work group on the other water system examples.

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

Terill Hollweg (Abt) presented upcoming steps and deadlines:

- Conceptual project list: provide feedback by September 25th
- Participate in LGU and Wood meetings to review infrastructure for scenario modeling (October/November)
- Chapters 4-6 of the Conceptual Drinking Water Supply Plan: distribute for review during the end of October
- Public meetings: October 22nd and 24th

The next subgroup meeting will be held on October 16, 2019.

One subgroup member asked for an update on the expedited projects. Gary Krueger (MPCA) noted that they are moving forward with funding agreements for the approved projects and the final list will be shared when all agreements are finalized.

Public comments and questions

Members of the public were given the opportunity to ask questions. There were no comments or questions provided.