

Source Water Protection Citizen Technical Advisory Committee (CTAC)
Source Water Assessment Plan Update - Subcommittee Meeting

December 12, 2019

Final Meeting Minutes

Meeting Location: Tidewater Utilities Conference Room

WELCOME & INTRODUCTIONS – Douglas Rambo, P.G., DNREC, Division of Water

Mr. Rambo called the meeting to order at 10:10 a.m. and welcomed everyone. He asked for introductions around the table. The attendance list is included at the end of the meeting minutes.

REVIEW AND APPROVAL OF THE OCTOBER 23, 2019 DRAFT MEETING MINUTES

Mr. Rambo asked if anyone had any edits to the October draft meeting minutes. No edits were suggested at this time but later during the meeting Mrs. Anita Beckel suggested the following edits:

- On page 2, change Route 201 to Route 301
- On page 3, add Combined Radium next to each breakdown under the fourth bullet point

The above edits were made to the finalized minutes. The final meeting minutes are posted online at <https://publicmeetings.delaware.gov/Meeting/63874>.

ADDITIONAL COMMENTS ON CHAPTERS 1, 2, & 3 - Douglas Rambo, P.G., DNREC, Division of Water

Mr. Rambo said, “I’m looking for additional comments that you may have on draft Chapters 1, 2, & 3. Chapters 4 & 5 were sent out yesterday.” Mr. Rambo stated he didn’t think there was enough time for everyone to review Chapters 4 & 5. He continued, “Chapter 3, *Contaminants of Concern*, has been our Chapter of most discussions from the beginning.” Mr. Rambo again asked if there were any additional comments or questions regarding Chapters 1, 2, & 3.

Mr. Rambo asked Mr. Keith Mensch, “One of the questions I had in Section 3.1, when was the last update to the Public Drinking Public Water System Regulations?” Mr. Mensch thought it was January 1, 2016, and he stated there will be another update coming soon. Mr. Mensch added that it will also depend on when the Plan is actually completed. Mr. Rambo added that he hopes to have this sent to EPA in the first six months of 2020. Mrs. Beckel stated that she believes the Regulations were actually updated on January 1, 2017, and not January 1, 2016.

Ms. Shelly Cohen, public citizen, and Mr. Keith Mensch discussed a revision made by EPA about chloroform.

Mr. Rambo asked Mr. Mensch if it was alright to have PFOS and PFOA being in the Secondary MCL listing since they have a lifetime health advisory similar to the health advisory for sodium or “something like that”? Mr. Mensch replied, “Sure.”

Mr. Patrick Brown said, “Just to point out, the footnotes in those tables are reflecting January 1, 2016.”

Discussion continued in regards to the Regulations update being either 2016 or 2017.

Mr. Rambo asked if there were any other questions regarding Chapters 1-3. Mrs. Beckel and Subcommittee stated that PFOS and PFOA should be listed under Unregulated rather than Secondaries. Discussion continued. Mr. Rambo said he will make that change.

Mr. Mensch asked if the Table should be called Table 3-1 on some pages and Table 4-1 on others. Mr. Rambo replied, “It used to be Chapter 4. It is now Table 3-1.” Discussion continued.

Ms. Laura Dale stated that she will clean up this section in the copy that is sent.

REVIEW OF CHAPTER 4 – Douglas Rambo, P.G., DNREC, Division of Water

Mr. Rambo stated that Mr. Todd Keyser was scheduled to be at today’s meeting to assist with the chapter to talk about the Risk Analysis for the Unregulated Water Quality and how we might relate that information to the public especially when there are a significant number of substances and compounds that may be detected in the water but not at very large amounts.

Mr. Rambo said, “As you know, the Susceptibility Assessment of the Source Water Assessment is basically the combination of everything related to the individual source or combination of sources from the vulnerability based upon the construction of the facility tied into the overlying land use, all of the point sources of contamination found within the source water protection area, and then any raw water quality data that we can get from the water systems to determine if there are concerns related to the water quality and as the italics in this Section says that we will be addressing the presence of treatment in the Source Water Assessment and we’ll provide a small narrative to that effect but making the public understand that this is a report on what is coming out of the well prior to it going out to distribution. The treatment and distribution report is handled by the Office of Drinking Water and their requirements for Consumer Confidence Reports. The two reports used together will give you a very detailed overview of where the water is taken from and how it’s treated and what potential issues are found on the drinking water system once it’s treated and sent out.” He continued, “A lot of this did not change from the first Source Water Assessment Plan. Vulnerability determination is still the same as it was going through the flow chart and determining what the source is whether it’s surface water, groundwater, Piedmont Coastal Plain, unconfined, or confined.”

Mr. Rambo continued to discuss what exists and needs to be reviewed in Chapter 4 by the Subcommittee.

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Mr. Rambo stated there will be susceptibility ratings for all tiers along with any land use and point sources. He added that at the end we are going to address by a paragraph or two on sea level rise, saltwater intrusion and increased flood risk mostly as an informative section for the water system. He continued to discuss.

Mr. Ross Elliott and Mrs. Amber Bataille discussed how susceptibility should be broken out. Mr. Paul Cartanza asked if they meant more visible or in written text and Mrs. Bataille said more visible. Mr. Cartanza agreed to be more visible.

Mrs. Beckel, Mrs. Bataille, and Mr. Cartanza discussed system reassessment process for sea level rise and flooding. Discussion continued with Mrs. Bataille and Ms. Cohen. Mr. Rambo stated that what the Subcommittee is doing is updating the Plan that tells us how to write the reports for those water systems. He discussed further. Ms. Eul Lee and Mr. Rambo discussed the map shown. Subcommittee continued to discuss flooding.

Mrs. Beckel commented on Page 14, next to the last paragraph, about singling out the City of Newark and suggested changing it to western or inland or higher elevated communities.

Mrs. Beckel asked if at the top of the Susceptibility Determination are the first three paragraphs an introduction or will they be in the Plan. She also asked about the numbering and if they are part of Chapter 4. She believes it is a formatting issue. Mr. Rambo said, "The Delineation of Source Water Protection Areas is Chapter 2, Contaminant Source Inventory is Chapter 3, and Vulnerability Determination is Chapter 4 which leads into the Susceptibility Determination."

Mrs. Beckel and Mr. Rambo discussed some formatting issues.

Ms. Lee commented that when the user receives the report how they are not "technical people" and she suggested changes to the report to make it easier for the user to read. For example, breaking down the lengthy paragraphs into bullet points. Mrs. Bataille mentioned that this is actually the Source Water Assessment Plan for the technical side and when the actual reports are released to the public they are easier to read. Ms. Lee, Mrs. Bataille, and Mr. Rambo continued to discuss.

Mr. Rambo stated he would like to get the draft Plan to EPA by the first half of 2020 and it will probably take between six to eight months for EPA to approve it. Discussion continued about including links in the CCR's. There was a discussion between the public and Subcommittee in regards to the reason and use for the Source Water Assessment Plan.

Mr. Rambo stated he would like to have Mr. Keyser come to the next meeting to give an overview of the Risk Determination Process. Mrs. Bataille, Mr. Rambo, and Mrs. Beckel continued a discussion regarding delineation models with the Subcommittee.

Mr. Rambo addressed the Subcommittee to please contact him with any comments on any of the Chapters and that he would like to have the full document as far as Chapters 1-5 available to review in January or February. He said, "The Water Resources Agency and us will be working

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on a surface water example and a groundwater example and try to determine what appendices we need to put into the document.”

The next Subcommittee meeting is scheduled for Wednesday, January 15, 2020, at 10:00 a.m. in the Tidewater Conference Room.

ADJOURN – Douglas Rambo, P.G., DNREC, Division of Water

Meeting adjourned at 12:30 p.m.

These minutes are not intended to be a detailed record. They are for the use of the Source Water Assessment and Protection Program, Source Water Assessment Plan Subcommittee members in supplementing their personal notes and recall of Committee discussions and presentations and to provide information to Committee members unable to attend. Minutes recorded and submitted by Kimberly Burris.

Attendees are listed below alphabetically, last name first:

Bataille, Amber – DNREC, Division of Water, Source Water Protection Program

Beckel, Anita – Delaware Rural Water

Brown, Patrick – Sussex County Engineering

Cohen, Shelly – Public Citizen

Dale, Laura - SUEZ

Elliott, Ross – DNREC, Tanks

Haggerty, Kenneth – Artesian Water Company

Lee, Eul – Public Citizen

Mensch, Keith – Division of Public Health, Office of Drinking Water

Neutz, Mary – City of Wilmington

Rambo, Douglas – DNREC, Division of Water, Source Water Protection Program