

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

June 27, 2019

Final Meeting Minutes

Meeting Location: Tidewater Utilities Conference Room

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

Mr. Rambo called the meeting to order at 10:05 a.m. and welcomed everyone. He asked for introductions around the table. Mr. Rambo stated that the WRA and DGS were unable to attend today's meeting. The attendance list is included at the end of the meeting minutes.

**REVIEW AND APPROVAL OF THE MAY 30, 2019 DRAFT MEETING MINUTES**

Mr. Rambo asked if anyone had any edits to the May meeting minutes. Prior to today's meeting, Mrs. Anita Beckel e-mailed the following edits that were made prior to the meeting:

- On the 1st page, last paragraph, second line I think it is more accurate to say locational data instead of location data.
- On the 2nd page, 1st full paragraph I think the word is inherent instead of inheriting.
- On page 7, the next to the last line from the bottom says 2000 and it should be 2018.
- On page 10, the very last paragraph please insert 'a' between 'not source'.
- On Page 10, the last line please replace the word 'system' with the word 'program'.
- Ms. Eisenbrey may have mentioned this to you already but on page 12, 'lead and coppers', copper is usually singular. No 's' on the end.

No additional edits were suggested.

Final meeting minutes are posted online at <https://publicmeetings.delaware.gov/Meeting/62635> .

**FOLLOW-UP DISCUSSION OF UPDATES TO TABLE 4-1 – Douglas Rambo, P.G., DNREC, Division of Water**

Mr. Rambo told the Subcommittee that he made some of the edits that were suggested at the last meeting such as the following:

- Subscript 6 was added to the footnotes.
- It was asked at the last meeting why PFAS was listed under the secondaries and Mr. Rambo stated he discussed this with Mr. Keith Mensch and it was decided that because the other health advisory limit which we have for sodium was also listed there but Mr. Mensch was alright with the understanding that it will be moved to the regulated primaries within the next couple of years, dependent upon the EPA's schedule for promulgation of an MCL. Mr. Jim Bennett asked Mr. Rambo if Delaware was

developing an MCL for that and Mr. Rambo said, “Not that I’m aware of. It’s based on the EPA promulgation estimates in a couple years before an MCL is put in place.”

- Ms. Virginia Eisenbrey asked Mr. Rambo if 1,4-dioxane was on the list and Mrs. Amber Bataille showed here where it (dioxin) was listed. Mr. Rambo said we’ll have to add one for dioxane. Mr. Hassan Mirsajadi asked Mr. Rambo if it was tested for in the Red Clay Creek. Mr. Rambo asked Mr. Larry Finnicum if SUEZ was detecting any dioxane and Mr. Finnicum replied, “Not to my knowledge, no.” The Subcommittee discussed.
- Mr. Rambo and Mrs. Bataille discussed the color coding breakouts to help the reader distinguish the different tiers in terms of the susceptibility. Mr. Rambo said he will look into this.

### **FOLLOW-UP DISCUSSION OF MAPPING ISSUES – Douglas Rambo, P.G., DNREC, Division of Water**

Mr. Rambo stated that this was just a place holder on the agenda in case there was any follow-up questions from the last meeting.

Mr. Rambo mentioned that last week EPA has validated a new test for PFAS in groundwater, source water, and wastewater (Method 8327) and is expanded to 24 PFAS compounds. Mr. Rambo presented to the Subcommittee. He stated, “All of the ones that were on EPA 537 aren’t on here. Plus 10 or so more. I just wanted to bring this to your attention so you do have additional options and the media has been expanded beyond drinking water.” Mr. Rambo said if there any questions they can be followed-up with EPA.

### **ESRI – STORY MAPS FOR SOURCE WATER ASSESSMENTS – Douglas Rambo, P.G., DNREC, Division of Water**

Mr. Rambo said, “One of the things that we are going to look to do to better present our source water assessments, especially to the public, is going to be through the use of story maps.” Mr. Rambo presented and discussed story map examples of Source Water Protection in Kentucky and Drinking Water Protection in Minnesota.

Mr. Rambo said, “SUEZ has a Watershed Control Plan that we could mention as part of the source water assessment as far as their management. The City of Wilmington has a Source Water Protection Plan that goes into ordinances that they’ve passed to protect the Brandywine within the city limits that we could mention. They include links to different organizations for people to go to for information on source water protection.” He continued to discuss.

Mr. Rambo said that the USGS and WRA have been doing a lot of work on the use of story maps to get information like this across to the public and we will be working with them to determine the best layout that we can use for this. It’s a very understandable format.”

<https://www.arcgis.com/apps/MapSeries/index.html?appid=f5c2a727ba9f43aca1d2c39cd0d8695e/>

<https://umn.maps.arcgis.com/apps/Cascade/index.html?appid=471adf0c04ab478f8480619cb408514a>

<https://kygis.maps.arcgis.com/apps/MapSeries/index.html?appid=7496a20a4f0a413985cd1213c4be9b25>

Mr. Finnicum asked Mr. Rambo that if this was done, what would the timeframe be to get it up and running and what support would he need. Mr. Rambo answered, “First, the Plan has to be approved and then it would depend on the data we get from Public Health because that is one of our challenges right now is we’ve typically been trying to rely on five years of raw water data to make a valid assessment but we’re hard pressed to have that amount of data. We’re lucky if we’re able to pull up one or two sampling events for a system in the last five years. So we have to figure out how far we want to go back with the water system and then determine is one sampling event a valid sample for the water system, especially if something has been detected and we don’t see a follow-up sample to verify.” Mr. Rambo stated those are questions he is going to try to answer through this process but as far as how long it would take us to turn around one of these he said, “The format is very simple in ArcGIS online and for us it would be a lot of cutting and pasting from our existing source water assessment templates into it.” He continued to say if we’re able to get additional information from others, that could be included as well. He added, “Getting that all together, one of these could easily be turned out within a couple of weeks but that’s provided we have all the data.”

Mrs. Bataille said, “The goal is that this would be the end report in addition to the more technical report.” Mr. Rambo said, “This would be our public facing document.” Mrs. Bataille said, “A link would be on our webpage to the story map rather than the actual assessment.” Mr. Rambo said this format is more easily updateable than our current format and if information were to change it could easily be updated and it’s very user friendly.

Mrs. Samantha Smith asked Mr. Rambo, “We’re not currently looking at doing this prior to our assessment being approved?” Mr. Rambo said, “Correct. It will be after the Plan is approved.” Mrs. Smith asked, “How many systems are we looking at currently?” Mr. Rambo replied, “Currently in Delaware we have around 490 water systems but we have to come up with a priority ranking to develop how we’re going to go about the implementation of this.” Mrs. Smith said, “Is there any indication these systems would provide us with their source water assessment for us to review as opposed to us doing it for them?” Mr. Rambo answered, “We can set-up funding in the source water section of the source water protection portion of the State budget to do source water assessments to allow water systems to do their own but they would have to petition through us to all that to happen because our Plan has stated that the Department will do all the source water assessments.” Mrs. Smith asked the Subcommittee, “Would anyone be interested in doing their own?” Mrs. Bataille mentioned that they found out last week during the EPA All States Conference that in Pennsylvania they’re actually requiring the operator or owner of the system to start doing their own source water assessments as they bring sources online. She continued to discuss examples with the Subcommittee and the Subcommittee discussed.

## **OPEN DISCUSSION / PUBLIC COMMENT**

Mrs. Bataille mentioned to the Subcommittee that the 2018 Farm Bill was passed and 10% of the funds that are going towards the Farm Bill have to go towards source water protection. She stated that in terms of over the next five years, the length of the Farm Bill, there's a lot of money that would be available for source water protection. She continued to discuss funding with the Subcommittee. Mr. Rambo stated that the announcement for the National Water Quality Initiative was published yesterday and that will be discussed further at the July 18, 2019, CTAC meeting. The Subcommittee continued discussion.

Mr. Rambo mentioned the next regular CTAC meeting is currently scheduled for July 18<sup>th</sup> at 9:00 a.m. at the Kent County Administration Building, Conference Room 220 and will include discussions about the 2018 Farm Bill and coastal and flooding issues.

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

Meeting adjourned at 10:46 a.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, Source Water Protection Program

Bennett, Jim – U.S. EPA Region 3

Burris, Kimberly – DNREC, Division of Water, Administration

Eisenbrey, Virginia – Artesian Water Company

Finnicum, Larry - SUEZ

Guyer, Jay – Municipal Services Commission

Mirsajadi, Hassan – DNREC, Watershed Assessment

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

Shannon, Sheila – Tidewater Utilities

Smith, Samantha – DNREC, Division of Water, Source Water Protection Program