



## Technical Advisory Committee Zoom Meeting

July 28, 2020

### Meeting Minutes

Present: Peter Wallers, MWCOG; Natalie Karney, Village of South Barrington; Jeff Babich, SGTWA; Kevin Fecske, Village of Barrington; Gary Clark, IEPA; Matt Asselmeier, Kendall County; Suzanne Willis, DeKalb County; Jeff Freeman, EEI; Michael Magnuson, Crystal Lake; Walt Kelly, ISWS; Ed Coggin, Weston Solutions; Justin Keller, MPC; Allen Wehrmann, Intera; Daniel Abrams, ISWS; Carlo Cavallaro, Aqufinity; Nora Beck, CMAP; Scott Kuykendall, McHenry County; Annie Storey, ISAWWA; John Dillon, ISAWWA; Derek Hiland, DeKalb County; Faye Sinnott, FC/SCWP; Paul Schuch, Retired Kane County Water Resources; Wes Cattoor, IDNR; John Higgins; Austin McFarlane, Lake County; Jodie Wollnik, Kane County Water Resources; Angie Smith, EEI.

Peter Wallers called the meeting to order at 10:02 A.M.

**Welcome, Roll Call and Introductions:** Pete (MWCOG) welcomed everyone to the meeting.

**Agenda Changes and Announcements:** None.

**Approval of June Meeting Minutes:** Derek (DeKalb County) made a motion to approve. John (ISAWWA) seconded. Minutes approved.

**General Discussion on Current Water Topics in the NWPA Area:** Pete (MWCOG) opened up the group for discussion.

Ed (WS) noted that the CARES program can reimburse for expenses with the type of monitoring for COVID-19. Continuing to work with City of McHenry for this. The State of Wisconsin is implementing a statewide program through the CARES program as well. Also being done in Idaho, Colorado, California and some communities in the southeast. Most of the facilities are doing weekly sampling or two if they have capabilities to do that. Working with McHenry County Health Department and the biggest issue is educating people about the program. Scott (McHenry County) clarifying to explain the benefits to people – main benefit is that municipalities can plan for the outbreak that they could see. Ed (WS) monitoring facilities in certain areas to give a heads up. MWRD is sending out samples to Stanford. Lake County Health Department and North Shore Sanitary District are looking to put a program together under the CARES Act. It's not very prevalent in Illinois yet. Google wastewater based epidemiology, COVID-19 for more information.

**Presentation: “Sustainable Yield Calculations and Modeling Updates”:** Daniel (ISWS) gave an update on the modeling that has been conducted down in Will County with Joliet and the surrounding communities. Joliet is planning to switch away from the sandstone aquifer to Lake Michigan by 2030. Daniel went through the timeline of events that have gotten the area to where they are today. He also showed the current risk, the risk in 2050 even with Joliet going off of the aquifer. Findings are showing that Joliet going off the aquifer alone will not be



enough to sustain the aquifer in Will County. Using the same metric that was used for Joliet for McHenry County shows provisional results that there is a risk of a pocket in northern Kane County and McHenry County as well. Aquifer depths and casings for the wells are similar in McHenry County. In McHenry County, there are some similar observations. The following drawdown was observed 359 ft, 285 ft and 202 ft. These ranges for drawdown are similar to Joliet as well. We do not have local vetting of pumpage, instead we are using future pumping which is currently a combination of CMAP's regional demands and locally define demands. Local vetting can uncover additional considerations: planned industrial growth, water conservation efforts, plans to shift sources from shallow to deep aquifers. If anyone has any flow logging information, it would be beneficial to the model so please send it to Daniel. Discussion was had amongst the group for ways to gather more information on the deep aquifers.

New estimates for supply and demand trying to mimic the Texas Model – all are provisional. Alternative method: calculate the volume in the aquifer during predevelopment and removal of water from storage that should last 200 years into the future. Multiple methods are still being experimented with. Kane County shows they are at or above the demand for supply. McHenry County shows that the demand is below the supply. Discussion was had amongst the group for different metrics that could be used for calculating the estimates. If anyone has any additional thoughts, please shoot him an e-mail. Future work: explore storage estimates from predevelopment conditions, assess vertical leakage impacts, correlate to observed head declines, improve local estimates to complement county totals, apply the same methodology to the shallow aquifers of the region. Next update will focus on the shallow aquifer examples for Kane, McHenry and DeKalb Counties.

**Sensible Salting Committee (SSC) (Update):** Fortin Consulting will be having a virtual *Salting Symposium* August 4<sup>th</sup> and 5<sup>th</sup> for chloride issues. They will be talking about a statewide program as well.

**CMAP (Update):** Will be sending the summary for everything that was completed. Also working with Wes (IDNR) on securing future funding so we can get back to work for NWPA and SWPG.

**ISAWWA (Update):** Jeff (EEI/ISAWWA) commented that virtual training will be continuing through August. John and others will be starting to set-up face-to-face training starting in September. The WUC is looking at doing the regulatory update as virtual. The employment of workers for the IL Preference Act was invoked for state/federal funding for projects; 90% need to be residents of Illinois. Annie (ISAWWA) added accepting abstracts for WATERCON2021 and closes September 1<sup>st</sup>.

**MPC (Update):** Justin (MPC) reported no major updates, still working on Drinking Water 1-2-3 Academy LTA projects.

**ISWS (Update):** Daniel (ISWS) reported that they are going to be trying to do some sampling in Will County on the Sandwich Fault Zone this Fall. Lake County sampling is probably going to be pushed to 2021. They've been given a work at home order through December. Most likely will apply to in-person meetings as well.

**IDNR (Update):** IDNR is putting in a lot of resources in this region and would like to see the NWPA spend more time and resources working toward a sustainable water supply.

**USGS (Update):** None



**Other Business:** Pete (MWCOG) nothing at this time.

The next meeting will be held on September 22, 2020 at 10 AM, most likely via Zoom. No meeting in August.

The meeting was adjourned at 11:58 AM.

Submitted by \_\_\_\_\_ Angie Smith, EEI