



Technical Advisory Committee
The Centre at Elgin
(East Conference Room)
100 Symphony Way, Elgin

July 24, 2018

Meeting Minutes

Present: Pete Wallers, Chairman representing MWCOG; Walt Kelly, Illinois State Water Survey; Daniel Abrams, Illinois State Water Survey; Nora Beck, CMAP; Dave Martin, Village of Montgomery; Jerry Elliott, Sugar Grove Water Authority; Tim Zasada, Village of Oswego; John Dillon, ISAWWA; Bob Leible, City of Aurora; Matt Asselmeier, Kendall County; Derek Hiland, DeKalb County; Scott Kuykendall, McHenry County; John Kawka, Morris Engineering; Margaret Schneemann, IISG; Allison Nebauer, IISG; Angie Smith, EEI.

Pete Wallers called the meeting to order at 10:03 A.M.

Welcome, Roll Call and Introductions: Pete (MWCOG) welcomed everyone to the meeting. Introductions were given by those present.

Agenda Changes and Announcements: None at this time.

Approval of June Meeting Minutes: Bob (AU) made a motion. John (ISAWWA) seconded. All in favor minutes approved.

General Discussion on Current Water Topics in the NWPA Area: Bob (Aurora) reported that they are in low flow for the river right now. Water quality is good.

Presentation: *Sustainable Yield Story and DeKalb County Update*, Daniel Abrams (ISWS): Daniel is presenting this presentation prepared by Devin Mannix at ISWS. All screen shots were prepared by the web maps that have been updated on their website.

The BIG question is – what is the sustainable yield? Meaning leakage through the Maquoketa Shale aggregated over a County. This also accounts for reductions in natural groundwater discharge that exceeds 10% from predevelopment. The leakage to the sandstone shows that DeKalb County has quite a bit of leakage because there's no Maquoketa shale. Kane County and McHenry County have a light layer of Maquoketa shale so they have some leakage going on as well. Northeastern counties do not have leakage. Putting all of these items together show sustainable yield exceedance (St. Peter). Also took the information and looked at the Ironton-Galesville which shows pumping is increased.

Effective Sustainable Yield Exceedance shows that both Kane and Will Counties exceed 10-15MGD.



They have made new calculations on their risk zones – developed for St. Peter and Ironton-Galesville. Only two risk zones for each sandstone unit. St. Peter Risk Zone: Head is less than 200 ft above the top of the St. Peter and head is less than 50% of predevelopment head above the top of the St. Peter. (This affects LaSalle County and DeKalb County) St. Peter in 2050 risk shows Kane, Kendall, DuPage and Will Counties are at risk. Starting to see a little bit of risk in DeKalb County near Sycamore.

Ironton Galesville risk zones: head is less than 550 feet above the Ironton Galesville; no secondary check because leakage to the Ironton-Galesville is negligible. Shows Kane, Kendall, Will, McHenry and Lake Counties as well – these are at 550 feet.

Observations – sustainable yield exceedance indicates that a county is withdrawing more water than is entering the aquifer within the county. Risk zones indicate that local well issues may arise right now. Just because an area exceeds sustainable yield does not mean that it will be immediately at risk – Will County exceeded sustainable yield for over a century before being at risk.

www.isws.illinois.edu/illinois water supply planning - interactive maps -- open to feedback

Pete (MWCOC) would like to see if the horizontal flow can be incorporated into the model. Daniel (ISWS) will update that value on this interactive map and bring it back to the group again to take a look at. Nora (CMAP) suggested that you take the data from ONTO2050 and incorporate it into the model that way we would really see what the sustainable yield would be. John (ISAWWA) suggests that looking at the region as a whole instead of County by County would be a better approach.

Daniel (ISWS) throw something out that we are seeing in the model – when we go out 50 years as is there's very low change. Once a new well is placed we see changes immediately region wide. This would lead us to believe that depending on where and when new wells are drilled could cause issues in the long run.

Daniel will go back to Springfield and do the same analysis with horizontal flow for both total and Ironton-Galesville. Simple thing to look at water supply planning regions. Do one more version based off of the geological boundaries only. Bring it back to the Sept/Oct meeting for further discussion.

Sensible Salting Committee (SSC) (Update): Scott (McHC) gave a brief update on the status of the committee. A table of contents has been prepared and people have been assigned different sections. Targeting October for first draft deadlines. Our next meeting is scheduled for August 20th at 3:30 PM. Reminder about the ILCA Summer Snow Days on July 25th and 26th at Pheasant Run Resort and Conference Center in St. Charles.

CMAP (Update): Nora (CMAP) announced that the draft plan for ONTO2050 has been released and it is on their website. They are accepting public comments through August 14th. They will be having 10 open houses throughout the region. The final release is scheduled for October 10th at Millennium Park in Chicago from 10 AM to 12 PM.

The second update is in regards for the Annual Call for LTA projects. This will be shifted to the Fall this year. They will open Sept. 6th and close towards the end of October. Really looking for projects that will help implement WATER ONTO2050. Decision will be made in March 2019.



Third update is that they have completed the report for OSYOMO, Joliet project and the water loss tool on their website.

ISAWWA (Update): John (ISAWWA) stated that Kane County Connects had an article that includes all the Counties in Kane that have water conservation ordinances in place. The annual regulatory update which will be held here at Elgin will be held on November 1st.

MPC (Update): No update at this time.

ISWS (Update): Walt (ISWS) stated Kevin O'Brien is now the permanent director.

IDNR (Update): No update at this time.

Executive Committee Update: Pete (MWCOG) reported that they are still working on updating the Strategic Plan.

Other Business:

Moveable Drinking Water Display for Elgin Public Library: Pete (MWCOG) reported that we did finish the first draft of the panels and they have been sent off to the City for feedback/approval before sending to the library.

Fox River Implementation Plan: Pete (MWCOG) they are continuing with some modeling.

IDPH: Pete (MWCOG) stated that we did verbally hear that the lining of lead service lines was not approved by IDPH.

Allison (IISG) – working on a draft brochure and will send it to the group for review/feedback prior to the September meeting.

The next meeting will be held on September 25, 2018 at the Centre at Elgin. There is no meeting in August.

The meeting was adjourned at 11:45 AM.

Submitted by _____ Angie Smith, EEI