



## Technical Advisory Committee

### The Centre at Elgin

(East Conference Room)

100 Symphony Way, Elgin

February 27, 2018

### Meeting Minutes

Present: Pete Wallers, Chairman representing MWCOG; Kyla Jacobsen, ISAWWA; Danielle Gallett, MPC; Paul Schuch, Retired Kane County Water Resources; Walt Kelly, Illinois State Water Survey; Al Wehrmann, Intera, Inc.; Jodie Wollnik, Kane County; Jeff Babich, Sugar Grove Water Authority; Tim Zasada, Village of Oswego; Jerry Elliott, Sugar Grove Water Authority; Daniel Abrams, Illinois State Water Survey; Allison Neubauer, Illinois Indiana Sea Grant; Amy Gahala, USGS; Ryan McDillon, Village of Lake in the Hills; John Kawka, Morris Engineering; Julian Kiss, Trotter; Derek Hiland, DeKalb County; Scott Wilson, St. Charles; David Schumacher, City of Aurora; Scott Kuykendall, McHenry County; Jeff Freeman, EEI; and Angie Smith, EEI

Pete Wallers called the meeting to order at 10:01 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 January Meeting Minutes:** Jodie (Kane County) made a motion to approve the meeting minutes. Jerry (Sugar Grove Water Authority) seconded. All in favor minutes approved.

**General Discussion on Current Water Topics in the NWPA Area:**

Kyla (ISAWWA) reported that Elgin is seeing unusually high turbidity in the Fox River. They are also seeing some water quality issues now that are usually seen in the summer time.

Jerry (Sugar Grove Water Authority) reported that they have handed out the Drinking Water 1-2-3 guides to the Sugar Grove Water Authority board and the Village of Sugar Grove Board as well.

Allison (IISG) stated that there is a webinar next week regarding turf grass.

**Presentation: *Simulations Showing the Impact of a New Sandstone Wellfield and Analyses of the Dolomite Systems in Will County:*** Daniel (ISWS) stated that he gave this presentation at the last Joliet Water Commission meeting. Previous ISWS work has examined desaturation of the St. Peter Sandstone. This presentation will focus on the Ironton-Galesville, "the last line of defense".



Static pumping heads in 2014 in St. Peter and the Ironton-Galesville. The problems are exacerbated when wells are pumping. St. Peter = 50-200 ft of drawdown when pumping; 200-400 ft of drawdown when pumping. Rapidly reaching the Ironton-Galesville will start to be dewatered. Risk of desaturation by 2050.

Part 1: Update on status of sandstone; recent trend in water levels; trends at 1 & 5 represent historic records. Nick Gornick at Joliet provided some current readings so that they could compare to the 2014 data. All other wells have been going down at a pretty consistent rate. Data trends in the Joliet region – long term trend shows available head declining by 0.6% per year. The modern trend is that were talking 15-30 years before the wells hit the top of the Ironton-Galesville. This is with no growth scenario. If there is rapid growth by any of these wells then it will cut the life span in half.

Location of future water demand – hypothetical wells; any growth in Kendall County will affect the wells. Could be Oswego or Yorkville (groundwater / Fox River); Joliet (groundwater / Kankakee River); Plainfield (Lake Michigan). Lockport is putting in a permit for a new deep well right now so ISWS will be running some scenarios with that information. Discussion was had amongst the group of who gets notified when a new well may be drilled? The group referenced the Illinois Water Law, 1983 and the Soil and Water Conservation Districts notifying IEPA and ISWS of drilling of new wells. Danielle (MPC) is willing to facilitate and set-up a meeting with ISWS with the area Soil and Water Conservation Districts. Scott (McHenry County) will also facilitate with the SWCD in McHenry County.

ISWS wants to get into a position where they can offer assistance in determining the location of a new well is the best placement.

If a new wellfield is built within approximately 2.5 miles from the western well field results in heads falling to the top of the Ironton-Galesville. Both the new and existing well fields in western Joliet would likely fail in this scenario. Even just a single well in Joliet, Rockdale, Channahon or Shorewood could have impacts that propagate outside of municipal boundaries. This is true for both public supply and industrial wells. Joliet provides monthly water level data to the ISWS to help them evaluate the situation. Communities are strongly encouraged to provide similar sets of data.

CMAQ is working on their updated population and demand numbers, as well and those will be put into the model when they are released.

**Sensible Salting Committee (SSC) (Introduction and Discussion):** Scott (McHenry County) reported that the committee did meet last week. Since starting the committee has added a couple new members. The big focus will be creating a BMP Sensible Salting Guide. The committee has received approval to use Fortin's Guide as the basis for this guide. Risk management was a big discussion at the last meeting. Education is going to be key to this issue. There is a ILCA Summer Snow Days in July 25<sup>th</sup> and 26<sup>th</sup> at Pheasant Run Resort and Conference Center in St. Charles.

**CMAQ (Update):** No report.

**ISAWWA (Update):** Kyle (ISAWWA) reminded the group that WATERCON is coming up in March. The big thing is Senate Bill 3080 that is going to require all municipalities for all full service lead service lines in the next 10 years.



There is a WUC meeting this afternoon and that will be discussed. Did send out a request to oppose the bill; the hearing has been postponed to next week.

**MPC (Update):** Danielle (MPC) stated that she has brought another box of the Drinking Water 1-2-3 Guides. If you need more copies just let her know. Have been working with most of the COGs in order to facilitate the distribution of the guides and the information. Going to BACOG tonight.

IDNR funded CMAP and then asked MPC to help with work on the water supply planning with Will County. Working with the Joliet Water Commission and other communities that are not associated with this group as well. Tom Weisner, is now a Senior Fellow at MPC, have been sitting down with the nine communities so far. There are Mayors that are very much on board and then there are some that don't really know what is going on. Will also be presenting with ISWS at the Will County Municipal League the morning of Thurs., March 8<sup>th</sup>. MPC's role is to facilitate these meetings and gather information.

Kicking off a CMAP funding LTA with Oswego, Yorkville and Montgomery. Will not be making a hard recommendation on what they should do. It will be a public report and will include scenarios so other communities can look at it and compare their information.

**ISWS (Update):** Walt (ISWS) mentioned that the Mahomet Aquifer Task Force has been put together and has been tasked to protect the water quality. There are 25 participants, mostly elected officials. By the end of the year they will be coming up with some recommendations. Dr. George Roadcap is the PRI member.

**IDNR (Update):** No update.

**Executive Committee Update:** Pete (MWCOG) reported that Mayor Kaptain has been working with the Elgin Public Library here in town to create a moveable exhibit regarding water. We need to get a subcommittee together. Kyla (ISAWWA) will assist on the committee.

Jodie (Kane County) stated that they had prepared one related to lawn watering. Danielle (MPC) suggested that pulling from already existing educational materials from ISAWWA, Alliance for Water Efficiency would be beneficial.

**Other Business:**

**Fox River Implementation Plan:** The Fox River Study Group has partnered with GeoSyntec to gather some more information. Also, going to be working with the Army Corp of Engineers to continue looking at the removal of dams in the Fox River area.

The next meeting will be held on March 27, 2018 at the Centre at Elgin.

The meeting was adjourned at 11:56 AM.

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