



Technical Advisory Committee

The Centre at Elgin

(East Conference Room)

100 Symphony Way, Elgin

April 23, 2019

Meeting Minutes

Present: Pete Wallers, Chairman representing MWCOG; Nora Beck, CMAP; Tim Wilson, City of St. Charles; Walt Kelly, ISWS; Natalie Karney, Village of South Barrington; Matt Wilson, City of St. Charles; Don Zelinga, Robinson Engineering; Matt Asselmeier, Kendall County; Jerry Elliott, Sugar Grove Township Water Authority; Dan Nagle, Sugar Grove Township Water Authority; Bob Leible, City of Aurora; Dave Segal, Elgin Sustainability Commission; Faye Sinnott, BACOG/SSCC; Bob McKay, USGS; Scott Kuykendall, McHenry County; Tim Zasada, Village of Oswego; Derek Hiland, DeKalb County; Kevin Fecske, Village of Barrington; Tim Holdeman, EEI; Angie Smith, EEI; Russ Farnum, Village of Algonquin; Amy Gahala, USGS; Jodie Wollnik, Kane County.

Pete Wallers called the meeting to order at 10:02 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.

Approval of March Meeting Minutes: Jerry (SGTWA) made a motion. Tim (St. Charles) seconded.

General Discussion on Current Water Topics in the NWPA Area: Bob (AU) reported that they took some samples for microplastics and had it tested in Norway and they have all come back as non-detect.

Presentation: *Recent Research on Microplastics in Karst Groundwater in Illinois* Walt (ISWS) commented on all the different parties that were involved in putting the presentation together. Plastic debris is widespread within surface-water environments. Karst aquifers have enlarged secondary porosity due to dissolution by recharge (rainwater and snow melt) along fractures. Groundwater in karst areas is often contaminated. Microplastics are fragments of plastic <5 mm in length and divided into five categories: fiber, fragment, bead, foam or film.

There are basically two karst regions in Illinois – southwest Illinois and northwestern Illinois (JoDaviess County) “Driftless Area”. Sinkholes develop due to unstable ground/soil; sinkholes can be 30 to 100m in size. Two samplings were conducted – Nov 2017; 8 springs and 3 shallow wells in the NW Illinois area and 6 springs in SW Illinois. Findings showed most springs and wells contained elevated concentrations of Nitrate-N and chloride. Springs of SW Illinois contained elevated phosphate concentrations an order of magnitude greater than springs of NW IL. All springs contained coliform bacteria and E coli indicating enteric sources such as septic effluent. PPCP’s were found from 14 of 15 sites sampled in NW Illinois.



Microplastics were found in 16 of 17 in both regions. Detections were all microfibers, maximum concentration of 15.2 pieces per liter. Based on this and previous investigations, the most likely source of PPCPs and microplastics in the karst aquifers is septic effluent.

Surface Water – Loyola has published information related to this topic – Tim Hoellein, Rachel McNeish University of Wisconsin-Milwaukee has an active program as well. Google microplastics/rivers.

Sensible Salting Committee (SSC) (Update): Scott (Chair) reported that the committee intends to work with the SaltSmart program.

CMAP (Update): Nora (CMAP) handed out copies of the Beyond Blue Grass brochure for further review/comment. Two other updates: released the broad level of the regional demand forecast for water 2050 and have been working with Pete and Angie on reactivating the newsletter for NWPA and the one-pager as well. Pete (MWCOG) commented on Nora and Margaret's Demand Forecasting work was very helpful for the Joliet region update.

ISAWWA (Update): None currently.

MPC (Update): Danielle asked Pete to remind everyone about the Drinking Water 1-2-3 Academy dates and registration is open. The first one was held at Joliet Junior College and it was well attended. There will be one here on July 23rd in lieu of the TAC meeting.

ISWS (Update): Walt (ISWS) commented that the HB passed in the Senate regarding the statewide study for water rates. A couple of other updates – George Roadcap won an award (CAPE) for the work he has done and they continue to meet with the Southwest Water Planning Alliance. Their next meeting is May 14th and they will be going to the Three Rivers Manufacturing meeting that day as well. In addition, the Prairie Research Institute (PRI) has developed a Coal Ash Response Team.

IDNR (Update): Pete (MWCOG) reported that IDNR is redoing the State Water Plan and they have established several different committees to help complete this item.

Executive Committee Update: Pete (MWCOG) reported that there will be some new members that will be orientated in May – two new Mayors; Chuck Nelson, Deputy Mayor of Aurora, Matt Brolley, Village of Montgomery; new replacement from DeKalb County as well.

Other Business:

Pete (MWCOG) commented on the upcoming presentation topics, Nora gave a brief update on upcoming topics.

IDPH Amendments – they are tasked to respond.

SB1532 Lead Service Line Replacement – there was a new release last Friday; there is a meeting today that ISAWWA, City of Aurora and others will be attending. The statewide impact is somewhere between \$6-9 billion



for replacement. There is a big push to get this bill passed and approved by May 31st so we will see what happens.

Tim Wilson (SR) commented that the IAWPC has a chloride survey out and encouraged others to participate. This is out because of the bill introduced by Huff and Huff right now.

Scott (McHenry County) commented on the McHenry County WRAP next meeting is May 8th.

The next meeting will be held on May 28, 2019 at the Centre at Elgin.

The meeting was adjourned at 11:06 AM.

Submitted by _____ Angie Smith, EEI