



Des Plaines River Watershed Workgroup

Monitoring Committee

4/20/2017

1:00PM – 2:30PM

Lake County Central Permit Facility

500 W. Winchester Road, Libertyville IL 60048

Meeting Minutes

1. Call the meeting to order: Joe Robinson called the meeting to order.
2. Roll Call (see end of these notes for individuals present)
3. Approve Previous Meeting minutes: Mike Adam made a motion to approve the minutes from 3/16/17, Al Giertych seconded the motion. The motion passed unanimously.
4. Public Comment: None.
5. Monitoring Program Review and Update – Joe Robinson led the update. He handed out a table that he created showing sampling locations that had greater than a non-detect for chloroform, copper, fluoranthene (PAH), iron, manganese, mercury and phenanthrene (PAH). Joe noted there were no hotspots. The lower main stem had 3 exceedances of chloroform, which Joe said could be from a POTW using chlorine to disinfect. He also noted 2 sampling locations in the upper main stem that exceeded for Iron and Manganese, he thinks these metals are coming into our Watershed from Wisconsin. Although there were 10 locations where mercury was above the detection limit, Joe felt the levels were low. There were only 2 hits of PAHs. Joe stated that if the monitoring is to be used for MS4 permit compliance it would need to include all impairments (PCB, etc.) that we were hoping to stop sampling for. Joe noted that DO is listed as an impairment for Indian Creek, Mill Creek and Buffalo Creek, which has a TMDL for DO. He recommends leaving DO/pH on Suburban Labs' ("SL") list of items to monitor for. He also recommended taking VOCs off the list of parameters to sample for in sediment in order to save money.

Sampling Location Changes. Joe would like to add a Tier 4 site above the riffle @ Don Hey's wetland, so DRWW can evaluate if the riffle acts like a dam (DO sag). Joe asked Kathy Paap if Wetlands Research Inc. (WRI) would allow DRWW access to the property, she agreed. Kathy said WRI would like an existing monitoring location on Seavey Ditch to be moved south to where their pilot project in Sullivan Woods would begin. WRI would like to know what is coming off the Golf Course. Joe asked Kathy to send an email setting out exactly what they want for DRWW's consideration.

Suburban Labs (SL). There are 3 issues we need to resolve. The conductivity data does not correlate well with the chloride data, the metals detection limits were increased without DRWW's consent and the reporting format of the data. Joe estimates there is approximately \$1,000 worth of data that is unusable. Mike Adam reported that SL had told him that the

conductivity probe was not correcting for temperature changes and they are going to try to correct the conductivity data. Report format is the third – need all the info to populate the IEPA's EDD format.

Summary of Changes to Monitoring Program:

- a. Add 1 Tier 4 site (biology only) upstream of Don Hey's Riffle
- b. Consider changing location on Seavey Ditch per Kathy Paaps request
- c. Do not analyze for VOCs in sediments.

Proposed 2017 Monitoring Costs for WQ and Sediment: Joe handed out a table summarizing his estimate of cost for extending the SL contract through 2017. He is estimating \$49,218 for WQ sample collection and analysis and \$12,838 for sediment analysis.

Chris Yoder's Proposal for Continuous Datasonde Monitoring of DO, pH, Temperature and Conductivity: Mike Adam reported that the LCHD's 2 datasondes would need to be refurbished at a cost of \$2,000 each and they do not have the budget to do this nor budget to send LCHD staff out to install the datasondes, collect the data, etc. Joe suggested we get a price quote from Chris Yoder for this work. We need to know who will be the manpower? How many locations? How many datasondes? How long will they be left in one location?

Beth A. reported that the Monitoring Strategy was updated and submitted to IEPA for Watershed Plan 319 Grant Reporting with data in the EFF format.

6. Flow Monitoring - Jim B. asked how MBI will use DRWW's flow data? Beth had a conversation with Chris Yoder of MBI and he told her that he will use the flow data but it is weak since there are not many locations. Chris also believes that habitat will be the #1 stressor in our Watershed. Jim B. also brought up the fact that a single use IBI number is not practicable for highly urbanized areas. IEPA only uses one number regardless of how urbanized the area is. DRWW could fight IEPA on this issue, but it would take us off task and may be better to stay on track.
7. Suburban Labs Contract – already discussed under number 5 above.
8. Meeting with DuPage River Salt Creek Watershed Workgroup (DRSCW). Patty Werner typed up her notes from the meeting. She summarized her 3 take-aways from the meeting: (1) DRSCW feels Chris Yoder (M BI) is doing good work and modeling for them; (2) NIP should be a documentation of where we are now and where we are going; (3) DRSCW invited DRWW to collaborate with them in their next round of modeling with MBI to save costs.
9. Watershed Plan Update – Mike Prusila (LCSMC) reported that the Watershed Plan contractor, Northwater is willing to meet with Mike Adam and Joe Robinson to answer any questions they have. Northwater plans to create load-duration curves from USGS sampling sites for Phosphorus (P), Nitrogen (N), Chloride (Cl), bacteria and maybe Copper (Cu) and Zinc (Zn). These load-duration curves will be used to calibrate the Non-point source (NPS) model (SWAMM) because DRWW does not have enough flow data to create the curves.
10. May General Membership Meeting will be a canoe trip down the Des Plaines River.
11. Old Business.
12. Other Business – Welcome Jeanette Burger of the Sierra Club.
13. Next Monitoring Committee Meeting will be June 15, 2017.
14. Adjourn: Mike Adam made a motion to adjourn, seconded by Steve Vella. The motion passed unanimously.

Committee Members Present:

Joe Robinson, DRWW Monitoring/WQ Improvements Committee Chair, NSWRD

Al Giertych, DRWW Vice President, Lake County DOT

Leslie Burns (alternte for Jim Anderson), DRWW Member at Large, Lake County Forest Preserve District

Steve Vella, Village of Libertyville

Jim Bland, Sierra Club

Mike Adam, LCHD

Austin McFarland, LCPW

Others Attendees:

Brian Dorn, DRWW President, NSWRD

Beth Adler, DRWW Technical Coordinator

Mike Prusila, Lake County Stormwater Management Commission

Rob Flood, North Shore WRD

Kathy Paap, Wetlands Research, Inc.

Patty Werner, Lake County SMC

Jeanette Burger, Sierra Club