



**Des Plaines River Watershed Workgroup**

**Monitoring/WQ Improvements Committee Meeting**

**12/20/2018 1:00 pm**

**Lake County Stormwater Management Commission Medium Conference Room**

**500 W. Winchester Road, Libertyville IL 60048**

**Meeting Minutes**

**Discussion and Possible Approval of the Following:**

1. Call the Meeting to Order  
Joe Robinson called the meeting to order at 1:04 pm.
2. Roll Call  
Committee Members present were: Joe Robinson, Mike Adam, Mike Zemaitis, Leslie Berns, Austin McFarlane, Steve Vella, and Rosemary Heilemann. A quorum was present. Other Attendees present were: Beth Adler, Mike Warner, Tom Morthorst, Brian Dorn, and May Keen.
3. Approve Previous Meeting Minutes (10/18/18)  
Motion to approve October 18, 2018 DRWW Monitoring/WQI Committee Meeting Minutes.  
First Motion: Mike A.  
Second Motion: Austin M.  
Motion passed unanimously.
4. Public Comment  
Beth A. introduced Max Spehlmann as the new Des Plaines River Watershed Workgroup intern. The monitoring committee welcomed Max S.
5. Sampling Plan Recommendations for 2020 - 2025  
Beth A., Mike A., and Joe R. got together and came up with a few options for a 2020-2025 sampling plan. Joe R. explained the current program and reviewed the three options.

- a. Option 1: Cut sites from 71 to 18. Stop sampling analytes which were mostly resulting in non-detects.
- b. Option 2 Keep all 71 sites but stop sampling for analytes which were mostly resulting in non-detects (PCBs, BOCs, etc.).
- c. Option 3 Keep water column chemistry sampling at all 71 sites but cut biology sampling down to 14 core sites annually, the entire watershed would be sampled every five years. MBI would need to review the reduced biological data to ensure their needs would still be met. This option would save \$144,000.

Joe R. mentioned the proposed changes for the NPDES permits which requires Total Organic Carbon (TOC) to be sampled at every site. Chris Yoder of MBI suggested sampling BOD for \$35 a sample. Further sampling discussion and negotiation with Chris Y. is expected. Any changes to the monitoring strategy will need to be submitted to the EPA for approval.

#### 6. Map of IL00 Permits in the Watershed – Updated

Beth A. presented and explained the updated map of IL00 Permit locations in the watershed designed by the Stormwater Management Commission GIS team. Joe R. stated that this map will assist in coming up with the sources of high levels of fecal coliform hotspots in relation to small waste water treatment plant locations.

#### 7. Sampling Site Locations

Beth A. mentioned an inconsistency in MBI's 2016 report where site 16-9 (Unnamed Tributary Werhane Lake Drain) and site 16-10 (Werhane Lake Drain) were switched. These inconsistencies are expected to be rectified before the release of MBI's 2017 report. In addition, MBI created a new site called 16-10b, but it should be called 16-9b because it's located on the Unnamed Tributary. Joe R. suggested changing the b (in 16-9b) to a number in the 2017 report. Further discussion about sampling site locations above and below riffles followed. Joe R. suggested adding a site near site 13-18. Beth A. will contact Chris Y. about naming the additional site 13-19.

#### 8. Old Business

None.

#### 9. Other Business

Max Spehlmann presented Microsoft power BI. Chris Yoder is considering using this software to share his modelling work with the DRWW. The Committee Members considered a Microsoft Power BI subscription. Further discussion on work hours with Chris Y. is expected.

Mike Adam explained the box and whiskers plots of dissolved oxygen sent by MBI. The data represents three days of datasonde collection and shows expected DO fluxes throughout the day. This data will be used for future reference of site locations to consider. More explanation of the results is expected in the final report from MBI.

Max Spehlman explained his public education and outreach memo. His idea is to spread awareness of DRWW via newsletters and website changes. Beth Adler added that the newsletters would be replacements for two of the General Membership meetings in 2019.

#### 10. Next Monitoring/WQI Committee Meeting January 17, 2019 at 1:00 pm at the Lake County Central Permit Facility, Medium Conference Room

## 11. Adjourn

Motion to adjourn.

First Motion: Leslie Berns

Second Motion: Mike Adam

Motion passed unanimously and meeting adjourned at 2:02 pm.