



Monitoring/Water Quality Improvements Committee

Minutes

11/17/2022 12:30 p.m.

Lake County Division of Transportation

600 W. Winchester Rd.

Libertyville IL 60048

1. Call to Order

Chair Waters called the meeting to order at 12:34 PM.

2. Roll Call

Present: Steve Waters, Mike Adam, Joel Sensenig, Nick Huber, Brian Kuebker, Chris Johnson (voting rights conferred after 5.a below)

3. Public Comment

Lisa Feichter, Gurnee resident commented on a trucking facility looking to buy 26 acres along the Des Plaines River Trail. There are resident concerns due to proximity to the river. They are gathering information on potential impacts to the corridor.

4. Approval of Meeting Minutes

a. 7/21/22 Monitoring/Water Quality Improvements Committee Meeting Minutes

Motion Adam, second by Sensenig to approve the 7/21/22 Monitoring/Water Quality Improvements Committee Meeting Minutes.

AYES: Waters, Adam, Sensenig, Huber, Kuebker; NAYS: None.

Motion passed 5-0.

5. Old Business

a. Approval of alternate voting status for Chris Johnson, Sierra Club (alternate for Rosemary Heilemann)

Motion by Adam, second by Huber to approve alternate voting status for Chris Johnson.

AYES: Waters, Adam, Sensenig, Huber, Kuebker; NAYS: None.

Motion passed 5-0.

b. Monitoring Updates

- i. North Shore Water Reclamation District Updates – Rob Flood reported that all 3 sondes are in place; 2 sondes had been out of service for periods: Russell Rd. was out Aug-Oct, Rt 120 was out Aug-Oct. Both were repaired and back in place. NSWRD will send out data this month from previous 3 months for QA/QC approval.
- ii. Lake County Health Department Updates – Alana Bartolai reported that the August Data underwent QA/QC review and the department had addressed a few issues with August data. She clarified the hold time and sample prep issues and their resolution, there were no questions from the committee. LCHD will be finalizing the last data of the season and sending in for QA/QC soon.

c. Monitoring Committee member vacancy

The committee discussed how the current member vacancy might be filled. Ideas included a nominee from a smaller or mid-sized community. The committee suggested adding a note to the annual newsletter and solicit nominees/volunteers in an email to the membership.

6. New Business

a. Geosyntec NARP Update

Karoline Qasem (Geosyntec) provided an update on the chlorophyll model for the Nutrient Assessment and Reduction Plan (NARP). Geosyntec identified some spikes in chlorophyll, filtered those out and did not include in the model calibration. She also presented the Mill Creek reach model, and identified the need to verify WWTP phosphorus data for Lindenhurst & LCPW Mill Creek WWTPs. Geosyntec is looking for 20-30% RRMSE for the water quality model. There is an issue with model not capturing nitrogen spikes. Geosyntec proposes not calibrating model to capture N spikes. The chlorophyll-a calibration is challenging as there are many variables, and could not get a complete calibration, the RRMSE = 63%. There is too much variability in the river system for a model to capture chlorophyll a perfectly. The Dissolved Oxygen model RRMSE is in the low 20%.

Adam commented that there is no reason to expend more resources modeling chlorophyll-a; Flood noted that sondes vs. lab sampled chlorophyll-a can have varying degrees of correlation due to the proxy variables measured by the sonde, the lab measurements are more reliable.

Committee consensus was to move forward and identify any major issues if they appear in the model.

b. Recommendation to Executive Board to approve Geosyntec contract Amendment #2 No cost time extension to January 31, 2023.

Motion by Adam, second by Sensenig to recommend to Executive Board approval of Geosyntec contract Amendment #2 No cost time extension to January 31, 2023.

AYES: Waters, Adam, Sensenig, Huber, Kuebker, Johnson; NAYS: None.

Motion passed 6-0.

c. Recommendation to Executive Board to approve 2023 LCHD DRWW Monitoring Contract

The 2023 contract is similar to last year's contract, with a very slight increase over 2022 cost.
Motion by Sensenig, second by Huber to recommend to Executive Board approval of 2023 LCHD
DRWW Monitoring Contract

AYES: Waters, Sensenig, Huber, Kuebker, Johnson; NAYS: None, Abstain ADAM.

Motion passed 5-0-1.

d. Recommendation to Executive Board to approve 2023 DRWW Meeting Schedule

Motion by Adam, second by Kuebker to recommend to Executive Board approval of 2023
DRWW Meeting Schedule.

AYES: Waters, Adam, Sensenig, Huber, Kuebker, Johnson; NAYS: None.

Motion passed 6-0.

7. Member Comments

- a. Strelcheck inquired if the committee had ideas for content for annual accomplishments or the newsletter.
- b. Waters asked the committee if the DRWW submit the data to IL EPA for inclusion in the integrated report. Committee consensus is yes, reach out to Chris Davis this year and in future years. MWRD provides data every year.

8. Next Monitoring/Water Quality Improvements Committee Meeting January 19, 2023

9. Adjournment

Motion to adjourn by Sensenig, second by Adam. Meeting adjourned at 1:43 PM.