



Monitoring/Water Quality Improvements Committee

10/21/2021 11:00 am Virtual Meeting

Minutes

Discussion and Possible Approval of the Following:

1. In the absence of the Committee Chair, Mike Adam called the meeting to order at 11:02 AM.
2. Mike Prusila performed the Roll Call: MEMBERS PRESENT: Mike Adam, Rob Flood, Gary Glowacki, Brian Kuebker, Rosemary Heilemann; MEMBERS ABSENT: Al Giertych, Austin McFarlane
Others present: Mike Prusila, Ashley Strelcheck, Jacob Jozefowski, Alana Bartolai, Chuck Bodden, Joel Sensenig, Len Dane, Tom Morthorst, Rishab Mahajan, Adrienne Nemura
3. Public Comment - None
4. Approval of 09/16/21 Monitoring/Water Quality Improvements Committee Meeting Minutes
Motion by Heilemann, second by Flood to approve as presented.
AYES: Flood, Adam, Kuebker, Heilemann; NAYS: None. Motion passed 4-0
5. Approval of Alternate Voting Status for Gary Glowacki, Lake County Forest Preserve District
Motion by Heilemann to approve, second by Flood.
AYES: Flood, Adam, Kuebker, Heilemann; NAYS: None. Motion passed 4-0
6. Old Business
 - a. Monitoring Updates
 - i. Flood updated the Committee that North Shore Water Reclamation District monitoring is going well, and that there was an earlier issue with the Russell Road site with DO readings beyond 20% relative difference between sonde and sampler in bucket sample. Other sondes functioning very well. North Shore will likely retrieve Russell Rd. sonde in December or early January to avoid freezing
 - ii. Bartolai updated the Committee that the August water column monitoring data was submitted, the Health Dept. will be submitting the latest data soon. They noticed TSS (Total Suspended Solids) values outside of acceptable range, but those were due to very low mass of TSS. TKN (Total Kjeldahl Nitrogen) data on Aug. 26 had a couple issues with being outside of hold time, but was ultimately accepted. The department is done with monitoring this year (2021).
 - b. Upper Des Plaines 2019 Year 3 Report Revisions
Prusila reported that MBI made revisions to the draft report based on Committee member comments.

Heilemann motioned, seconded by Flood to recommend the executive board accept the 2019 MBI monitoring report.

AYES: Flood, Adam, Glowacki, Keubker, Heilemann; Nays: None. Motion passed 5-0.

7. New Business

- a. Geosyntec NARP Updates: SNAP methodology and IPS tool for development of the Nutrient Assessment and Reduction Plan (NARP)

Adrienne Nemura gave a presentation on Geosyntec's review of the IPS (Integrated Prioritization System) tool and recommendations for MBI's 2022-2023 monitoring plan.

MBI uses a procedure developed by Ohio EPA (SNAP), which was modified and added to the IPS tool.

Flood asked if continuous monitoring just hasn't been performed long enough and if more data is needed on Dissolved Oxygen swings. Nemura responded that longer sonde deployment would be preferable, the impact on DO in the North Branch Chicago River for example may be due to topography, sediment oxygen demand, and macroinvertebrate community. Longer deployment may not provide additional clarity as to what the factors contributing to low DO are.

Recommendations to MBI's 2022 plan are to collect nutrient, sestonic chlorophyll-a, and benthic algae data at the same location and same time; fish and macro data will not assist NARP development; add site on Hastings (10-4) and drop site on North Mill (10-1); verify SNAP before it is used on 2022 data

Bodden clarified that there isn't a different method that is being proposed, it would just be putting modified SNAP on hold? Nemura responded that is correct.

- b. MBI 2022-2023 Draft Contract Review – Geosyntec Recommendations

Strelcheck asked if approving the contract with MBI will delay Geosyntec's progress.

Mahajan responded that it would not impact progress, the concern was how the data would be applied.

Adam stated he would like to get opinions from other committee members on this and would like to delay recommendations on the contract and review at Special or December meeting.

- c. Lake County Health Dept. 2022 Water Quality Monitoring Contract Review.

Bartolai noted there are no major changes to the 2021 contract, prices are similar, it is about \$100 more.

Flood motioned, seconded by Heilemann, to recommend approval of the Technical Services Agreement as presented to the Executive Board. AYES: Flood, Glowacki, Kuebker, Heilemann; NAYS: None, ABSTAIN: Adam. Motion passed 4-0-1.

8. Member Comments

Bodden noted North Shore Water Reclamation District (NSWRD) is member of NBWW & DRWW. Under the special condition related to the NARP, a section states to continue comprehensive water quality monitoring program consisting of bioassessment monitoring, flow monitoring and water column and sediment chemistry sampling and analysis and modify these programs as necessary to meet NARP objectives. Another special condition is that the permittee shall perform monthly monitoring upstream and downstream of outfall for a number of parameters. This second special

condition is not in Deerfield's permit in the North Branch Chicago River watershed & workgroup. IL EPA suggested that NSWRD submit a permit modification for that special condition, which it will do. He believes this special condition is in the permits for all treatment plants in the DRWW.

9. Next Monitoring/Water Quality Improvements Committee Meeting 12/16/21 at 11:00 am

10. Adjournment

Motion to adjourn by Heilemann, second by Flood. AYES: Flood, Adam, Glowacki, Keubker, Heilemann; Nays: None. Motion passed 5-0.

Meeting adjourned at 12:11 PM.