

The regular meeting of the Board of Directors of The Miami Conservancy District (MCD) sitting as the Board of Directors of The Aquifer Preservation Subdistrict (APS) was called to order at 11:20 a.m. by Beth G. Whelley, President, with Mark G. Rentschler, Vice President and William E. Lukens, member, present. The meeting was held at the Sinclair Conference Center located at 444 West Third Street in Dayton.

Members of the staff in attendance at the regular meeting: Janet M. Bly, General Manager; Rhonda K. Snyder, Secretary; James B. Casper, Manager, Operations and Maintenance; Michael P. Ekberg, Manager, Water Resources Monitoring and Analysis; Brenda Z. Gibson, Manager, Public Relations and Education; Sarah Hippensteel Hall, Manager, Watershed Partnerships; Kenneth P. Moyer, Treasurer; Donald P. O'Connor, Chief Engineer; Shannon E. Phelps, Manager of Administration; and Barry M. Puskas, Chief of Technical and Engineering Services.

Legal counsel in attendance: W. Chip Herin III, Coolidge Wall Co., LPA.

Guests in attendance: None

COMPLIANCE WITH SUNSHINE LAW AND BYLAWS

The meeting was held in compliance with the Sunshine Law and MCD and Subdistrict Bylaws. The meeting information was posted on MCD's website. Miami Valley news media and individuals requesting such notification were notified of the meeting by electronic mail dated September 21, 2021.

MINUTES

The Minutes of the Board of Directors June 24, 2021, meeting were provided to members of the Board for review and comment.

M 2021-140

The Board of Directors, on motion by Mr. Rentschler and seconded by Mr. Lukens, unanimously approved the Minutes for June 24, 2021.

Next, Mr. Ekberg presented updates for a spring 2021 groundwater sampling event, the Dayton water quality study and infrastructure review and test your well events.

2021 Ambient Groundwater Sampling

MCD staff conducted the spring 2021 groundwater sampling event from May 21 through June 4. Staff sampled 12 groundwater monitoring wells installed in the buried valley aquifer system. Pace Analytical analyzed all groundwater samples for major ions, metals, nutrients, and E. coli bacteria.

The results of the analyses showed two exceedances of drinking water maximum contaminant levels (MCL). Arsenic and E. coli were each detected in one groundwater sample at concentrations above established MCLs.

Nuisance contaminants including aluminum, iron, manganese, total dissolved solids, and total hardness were present at concentrations exceeding secondary maximum contaminant levels (SMCLs) in nine groundwater samples.

Overall, the sampling results were consistent with previous results which show good groundwater quality with limited but detectable anthropogenic impact and presence of nuisance contaminants. Nuisance contaminants in groundwater do not typically present a human health risk. They may however require public water systems and businesses to provide additional treatment in order to limit aesthetic impacts as well as impacts to infrastructure.

Dayton Water Quality Study and Infrastructure Review

LimnoTech presented a summary of all work completed thus far to Tom Raga, Chairman of the Dayton Water User Committee, Shelley Dickstein, Dayton City Manager, Michael Colbert, Montgomery County Administrator, and Frank Debrosse of Congressman Mike Turner's office in a virtual workshop meeting on August 30. Key takeaways from the workshop include the following:

Groundwater Resources Review

- Qualities that make the Buried Valley Aquifer such a valuable source of drinking water to the area, also make it vulnerable.
 - abundance
 - ease of access and pumping
 - fast recharge

- Amount of monitoring to detect contamination and intervene is very high, indicating threats to the water supply can be caught early and adjustments to operations made accordingly.

- PFAS is emerging as the most challenging water quality concern, due to it being ubiquitous, the lack of regulatory standards, and the strained relationship between the City and the Wright Patterson Air Force Base in addressing the existing PFAS contamination.

- Nitrate - identified for years as a key pollution threat, also remains an important concern.

Infrastructure Review

- Asset Management Plan deficiencies
 - Dayton's Asset Management Plan has met all of the requirements set by the EPA with 3 minor exceptions, the most significant of which is providing an up-to-date map of their distribution system.

- Continue to improve communication and working relationship with Montgomery County by implementing the Water System Committee meetings that were developed as part of the Water Service Agreement. This committee lost traction during the pandemic.

- Update hydraulic model
 - Dayton is planning the next hydraulic model update in the 2021/2022 Water Master Plan.

- Implement the DM-5 booster station project.
- Implement the stand-by power project to provide minimum level of service in the event of power loss at both WTPs.
- PFAS treatment options and projected costs

A draft report was provided to the above members of the Dayton Water Committee. A virtual meeting with the entire Dayton Water Committee to present the major findings of this project was held on September 14. LimnoTech plans to have a final project report completed in October.

Test Your Well Events

MCD supported a test your well event targeting private water system owners in Butler and Preble counties. The event was sponsored by the Butler and Preble county soil and water conservation districts as well as MCD. The event took place on August 14 and was limited to 40 people. A total of 40 people registered for the event and 34 people collected water samples and dropped them off at Miami University for analysis. Samples were analyzed for nitrate and bacteria (total coliform and E. coli). MCD provided funding for laboratory reagents used in the analytical process.

A test your well event was held on September 14 at Carlisle High School in Warren County. MCD partnered with the Warren County Soil and Water Conservation District, Village of Carlisle, Carlisle Local Schools, Montgomery County Environmental Services, and the Warren County Health District to host the event. Twenty water samples were tested for nitrite, nitrate, iron, and metals. MCD provided test strips for field screening of the water samples and \$500 in funding for laboratory analysis.

FUTURE BOARD MEETING

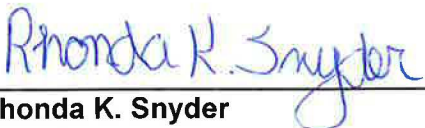
The Board members set Thursday, December 16, 2021, for the next regular meeting of the Board of Directors of The Miami Conservancy District sitting as the Board of Directors of The Aquifer Preservation Subdistrict.

ADJOURN

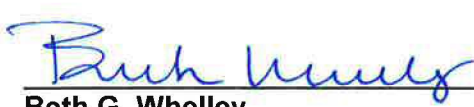
There being no further business, the meeting was adjourned by unanimous consent.

ATTEST:

APPROVED:



 Rhonda K. Snyder
 Secretary



 Beth G. Whelley
 President