

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 10:37 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: Janet M. Bly, General Manager; Rhonda K. Snyder, Secretary; James B. Casper, Operations and Maintenance Supervisor; Daniel K. Foley, Great Miami Riverway Director; Brenda Z. Gibson, Manager, Public Relations and Education; Sarah Hippensteel Hall, Manager, Watershed Partnerships; Kenneth P. Moyer, Treasurer; Donald P. O'Connor, Chief of Construction and Planning; Shannon E. Phelps, Manager of Administration; Barry M. Puskas, Chief of Technical and Engineering Services; and Kurt A. Rinehart, Chief of Operations/Chief Engineer.

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 June 16, 2021.

MINUTES

The Minutes of the Board of Directors April 27, 2021, meeting were provided to members of the Board for review and comment.

M 2021-139

The Board of Directors, on motion by Mr. Rentschler and seconded by Mr. Lukens, unanimously approved the Minutes for April 27, 2021.

Next, Ms. Bly provided an update for the Dayton water quality study and infrastructure review and Dayton Children's Water Festival.

Dayton Water Quality Study and Infrastructure Review

LimnoTech completed task 2 of the Dayton Water Quality and Infrastructure Review project in April. Task 2 involved data compilation and synthesis on groundwater and surface water resources as well as the Dayton public water system infrastructure and the infrastructure of interconnected water utilities. Key takeaways provided by LimnoTech include the following:

- Qualities that make the Buried Valley Aquifer (BVA) 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 its ubiquitousness, 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.
- Surface water contamination has the potential to affect the BVA. The primary pollutants of concern to the Great Miami River and its tributaries are:
 - E. coli and phosphorus – which are less of a concern in the BVA.
 - Nitrate, PFAS, and other emerging contaminants – have potential to migrate to the BVA.
- While the City's distribution infrastructure scores well using standard metrics, there are assets that are in poor condition. Maintaining the asset management program and continued investment are key to long-term resiliency of the drinking water system.
- Based on this initial assessment of the data, the City of Dayton has a lot of redundancy built into their treatment and distribution systems, which gives them great flexibility to manage their operations and address issues. However, catastrophic events such as the 2019 tornado have exposed the vulnerable areas of the water system where improvements may be needed.
- Additional synthesis of the data presented in the memorandum will be completed in the remaining tasks of the project to develop a more complete evaluation of risks and recommendations.

LimnoTech presented a summary of task 2 as well as the above findings to Tom Raga, Chairman of the Dayton Water User Committee, and Frank Debrosse of Congressman Mike Turner's office in a virtual meeting on April 22.

Members of the LimnoTech project team physically toured the Dayton water treatment plants and wellfields on May 7. Dayton water department staff conducted the tour and answered questions about operation and maintenance of the facilities as well as past water system outages.

The consultant is currently working on task 3, which includes a review of Dayton's asset management plan, contingency plans, and regulatory compliance.

2021 Dayton Children's Water Festival

The Dayton Children's Water Festival is an annual science event for fourth-grade students. It offers a series of presentations on groundwater, surface water, wastewater, conservation, and land use. The 2021 Dayton Children's Water Festival took place from May 11

to May 14 as a virtual event. MCD provided funding support. MCD staff participated on the planning committee and served as a moderator for the virtual sessions.

FUTURE BOARD MEETING

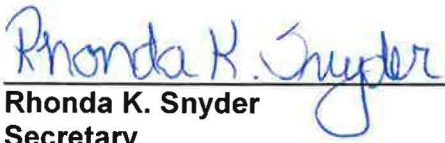
The Board members set Thursday, September 30, 2021, for the next regular meeting of the Board of Directors of The Miami Conservancy District sitting as the Board of Directors of The Aquifer Preservation Subdistrict.

ADJOURN

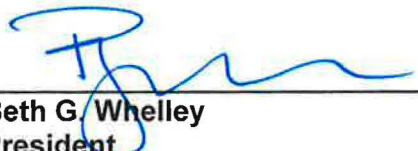
There being no further business, the meeting was adjourned by unanimous consent.

ATTEST:

APPROVED:



Rhonda K. Snyder
Secretary



Beth G. Whelley
President