

CHARLES RIVER POLLUTION CONTROL DISTRICT
66 Village Street, Medway, MA 02053

Minutes from January 13, 2022 Monthly Meeting – 3:00 p.m.

Pursuant to Governor Baker's March 12, 2020 Order Suspending Certain Provisions of the Open Meeting Law, G.L. c. 30A, §18, and the Governor's June 16, 2021 law An Act Extending Certain COVID-19 Measures Adopted During the State of Emergency, this meeting of the Charles River Pollution Control District was conducted via remote participation. Specific information and the general guidelines for remote participation by members of the public and/or parties with a right and/or requirement to attend this meeting were posted on the District's website at www.charlesriverpcd.org. No in-person meeting was conducted, but every effort was made to ensure that the public could adequately access the proceedings in real time, via technological means.

The Director took a roll call for attendance at the virtual meeting. In attendance were Chairman Douglas M. Downing, District Commissioners Michael Callahan, David C. Formato, Wolfgang Bauer and Mark Cataldo, Executive Director Elizabeth Taglieri and Executive Secretary Barbara W. Maffeo. Town of Franklin's Superintendent of Water and Sewer Department Douglas Martin, Chad Kershaw from CDM Smith and Franklin resident Alan Earls were also in attendance. Engineer Kristen Mucciarone was not in attendance.

The following attachments were presented during the monthly meeting and are on file at the District with the approved minutes.

- Prior Year Comparison of O & M Budget (July 2020 – December 2020 vs July 2021 – December 2021);
- Year to Date O & M Budget versus Actual (July 2021 – December 2021);
- Overview of FY 2022 Budget dated January 13, 2022;
- Septage Revenue – Prior Year Comparison (July 2020 – December 2020 vs. July 2021 – December 2021);
- Sewer connections (December 2021);
- Copy of Warrant #22-07 dated January 13, 2022;
- Copy of Record Drawings dated June 1988 for the Force Main I-495 Pump Station;
- Copy of Standard Agreement between Owner and Engineer for Study and Report Phase of MBI Investigations Peer Review.

Item #1 – Infiltration/Inflow (I/I) Program.

- a. Discussion About Agreement with CDM Smith to Peer Review Section of Pipe in Mine Brook Interceptor (MBI). Chad Kershaw from CDM Smith joined the virtual meeting to give an overview of what the peer review entailed. Mr. Kershaw said CDM Smith will be reviewing the Multi Sensor Inspection (MSI) and Closed Circuit TV (CCTV) data in the engineering reports from Tighe and Bond. The peer review will be assessing the

- condition and rehabilitation of the pipe and making recommendations to the District on their findings. The cost of the peer review by CDM Smith will be \$6,900.
- b. Discussion on Manhole and Pipe Rehabilitation Work at MBI Subsystem. The Director secured detailed information related to the aforementioned from Tighe and Bond. The Director and Engineer determined the work to be performed will be managed in three phases. The Director will utilize a contractor to evaluate the work to be performed repairing manholes. The CRPCD staff will accompany and supervise the contractor on-site. The Director and Engineer will finalize the scope of work for Phase I and request quotes from contractors.
- c. Update on Force Main Investigation at I-495 Pump Station. The Director said the force main was designed for 2.4 million gallons per day (mgd). Presently, the District only uses 1/6th of that capacity pumping about 0.4 mgd. Commissioner Cataldo gave the Commissioners some history of why the District utilizes such a small amount. The Director is looking for the original shop drawings for the air release valve. Doug Martin, Superintendent of Water and Sewer in the town of Franklin, told the Board there was a four-inch force main that went down Grove Street and that pieces of that pipe have been broken by other utilities digging in that area.
- The Director contacted Insituform, who performs internal lining of pipe, and is awaiting a preliminary work plan for lining the force main. This is just one option the District could consider. If this option was to be used the District would need to perform a CCTV inspection of the pipe before the liner was installed to confirm the location of elbows, confirm the condition of the pipe and to determine if the pipe needed to be cleaned prior to lining. CCTV inspection would require that the District bypass pump the wastewater around the pipe.
- Another option to consider is to perform ultrasonic testing on the pipe at the cleanout and air release manholes. This was in CDM Smith's original proposal from the request for proposals for the MBI Subsystem I/I inspections. The Director will inquire with CDM Smith on this potential avenue.
- There will be many details to coordinate before any work is completed on this project, including, but not limited to, contacting the towns of Franklin and Bellingham with proposed capital costs, coordinating with Massachusetts Department of Transportation (MASSDOT) for access on I-495, hiring an engineer and contractors to perform any work. Commissioner Formato suggested asking CDM Smith if any costs from this project could be reimbursed in the Build Back Better bill recently passed by Congress.

Item #2 – Update on WX-300 Full Scale Pilot Testing.

The Director contacted five different treatment plants to inquire about their experience with using rare earth chemical WX-300 which has been proposed for use at the District. All inquiries responded with positive comments. The Director noted that the rare earth chemical can potentially be purchased through six different companies. She will continue to reach out to these other companies, but added Neo Water Treatment proposed the lowest cost so far out of the responses received. She was unable to gather information on sludge reduction costs or the

lab data from a plant that incinerated its sludge, but was able to obtain data related to land-based application of sludge. The Director did contact the District's representatives at Massachusetts Department of Environmental Engineering and Upper Blackstone Clean Water, where the District incinerates its sludge, to inform them about the impending pilot study. The full scale pilot study will commence on January 31, 2022.

Item #3 – Approval of Warrant #22-07.

A motion was made by Commissioner Cataldo and seconded by Commissioner Bauer to approve Warrant #22-07 as shown in the agenda.

- a. O & M \$305,722.77
- b. Capital Projects \$3,580.50

ROLL CALL VOTE

Commissioner Callahan	yes
Commissioner Bauer	yes
Commissioner Formato	yes
Commissioner Cataldo	yes
Chairman Downing	yes

VOTED: That the District approves the preceding motion. The vote was unanimously approved.

Item #4 – Executive Director's Report.

- a. NPDES Compliance Report. The treatment facility was in compliance for the month of December 2021.
- b. Sewer Connection Approvals – December 2021. The following sewer connections were approved earlier on an individual basis. (gallons per day – gpd).

Franklin	1 garage	3 gpd
----------	----------	-------

- c. Update on 314 Code of Massachusetts Regulations (CMR) 16.00 Sewage Notification Regulations. The Director reported that the aforementioned regulations to promote public awareness of sewage pollution was approved. The passage of these regulations will require the Director to report to multiple agencies should an overflow occur at the disk filters or the bypass gate is opened at the filtration system and release partially treated secondary effluent at the outfall. The Director is looking at making changes at the Disk Filters to prevent these overflows.
- d. Next Scheduled Meeting Dates are February 9, 2022 and March 15, 2022. Presently, the February meeting is scheduled to be a virtual meeting.

Item #5 – Approval of Minutes from December 8, 2021 Monthly Meeting.

A motion was made by Commissioner Cataldo and seconded by Commissioner Callahan to approve the monthly minutes and to forward a copy of the minutes to all attendees of the meeting.

ROLL CALL VOTE

Commissioner Callahan	yes
Commissioner Bauer	yes
Commissioner Formato	yes
Commissioner Cataldo	yes
Chairman Downing	yes

VOTED: That the District approves the preceding motion. The vote was unanimously approved.

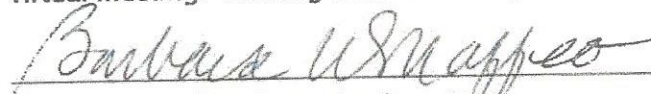
A motion was made by Commissioner Cataldo and seconded by Commissioner Callahan to adjourn the monthly meeting.

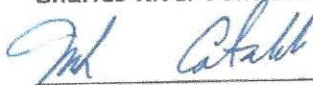
ROLL CALL VOTE

Commissioner Callahan	yes
Commissioner Bauer	yes
Commissioner Formato	yes
Commissioner Cataldo	yes
Chairman Downing	yes

VOTED: That the District approves the preceding motion. The vote was unanimously approved.

The next monthly meeting is scheduled February 9, 2022 at 3:00 p.m., presently scheduled as a virtual meeting. Meeting details will be posted.


Barbara W. Maffeo, Executive Secretary
Charles River Pollution Control District


Mark Cataldo, Clerk
Charles River Pollution Control District

2/11/22
Date

The preceding is presumed to be a complete and accurate account of the items discussed and agreements made unless the District is notified to the contrary within seven days of distribution.