

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

Minutes from November 18, 2021 Monthly Meeting – 3:00 p.m.

The meeting was held in the John McCahill Conference Room at the District's treatment facility. In attendance were, Chairman Douglas M. Downing, District Commissioners Michael Callahan, David C. Formato, Wolfgang Bauer and Mark Cataldo and Executive Director Elizabeth Taglieri, Engineer Kristen Mucciarone and Executive Secretary Barbara W. Maffeo. Also in attendance were Ian Mead from Tighe & Bond, representatives from the Town of Franklin Robert Cantoreggi, Director of Public Works and Douglas Martin, Superintendent of Water and Sewer Department.

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 – October 2020 vs July 2021 – October 2021);
- Year to Date O & M Budget versus Actual (July 2021 – October 2021);
- Overview of FY 2022 Budget dated November 18, 2021;
- Septage Revenue – Prior Year Comparison (July 2020 – October 2020 vs. July 2021 – October 2021);
- Sewer connections (October 2021);
- Copy of Warrant #22-05 dated November 16, 2021;
- Handout reflecting Executive Director's Evaluation Topics;
- Executive Summary by Tighe & Bond on Mine Brook Interceptor (MBI) Subsystem and Manhole Inspection Map;
- Executive Summary by Tighe & Bond on I-495 Force Main Inspection Report;
- Town of Franklin Buy in Charge Excerpt.

Item #1 -Discussion on the Buy-In Charge with the Town of Franklin in Section 308 of the District's Agreements with the Towns.

The Town of Medway has been in talks with the Town of Franklin to purchase capacity from the Town of Franklin. The Director gave the Commissioners an overview of the original formula calculated in the 1970's. A copy of an Excerpt from the Town of Franklin Buy-In Charge was referred to, specifically, Section 308 in said document which outlined the Buy-In charges. The formula was based on current debt service which is approximately \$4.00 per gallon per day for purchasing capacity in the District's treatment facility. Mr. Cantoreggi, Director of Public Works in Franklin, would like the District to consider a fair market rate formula. Recently a fair market valuation was performed and a new fair market rate reflected a price of \$12.00-\$14.00 per gallon per day for purchasing capacity in the District's treatment facility. The Director has been in contact with District legal counsel to review the legal aspects of such a change.

Mr. Cantoreggi reviewed the timeline of Franklin selling some of the town's capacity to other member towns, while emphasizing the importance of retaining capacity for Franklin. He highlighted the town's success with removing infiltration and inflow (I/I) and instituting conservation measures, thereby increasing Franklin's capacity numbers at the treatment facility. The proposed fair market rate formula will be reviewed legally and will be a future endeavor.

Further discussion focused on the removal of I/I in member communities. The Director told the Commissioners that the Town of Bellingham's system is mostly a PVC pipe system that is tight. Commissioner Callahan who is also a board member on the town's Water and Sewer Board, said the Town of Medway has CCTV about 90% of the lines with an I/I plan for 100% of the town. Mr. Cantoreggi, who also serves on the Millis Water Board, added the Town of Millis also has a program to remove I/I. Removing I/I on a town based system is reinforced through the NPDES Permit and MassDEP regulations.

Chairman Downing proposed inviting representatives of the CRPCD member communities to a workshop in spring 2022 to discuss topics related to I/I removal and the buy in for capacity at the treatment facility based on a fair market value. The Board of Commissioners were in agreement to have said workshop in the spring.

Item #2 – Discussion on the Results and Recommendations from the Mine Brook Interceptor (MBI) Subsystem Infiltration and Inflow (I/I) Manhole, Closed Caption Television (CCTV) and Multi Sensor Inspections (MSI) with Ian Mead of Tighe & Bond.

Mr. Mead prefaced his report with some historical background on the MBI. The MBI was constructed in the late 1970's in the Town of Franklin. The interceptor consists of mainly 24 inch to 48 inch gravity main, a small section of 18 inch force main that crosses under I-495 and 99 manhole structures. An air release manhole located on the shoulder of I-495 was not accessible and therefore not inspected as part of this inspection. Overall, the pipes and manholes are in very good condition for their age. The pipes were inspected using a CCTV and MSI which collects sonar and laser data to capture the visual details, sediment and ovality/corrosion condition of the MBI.

Also in the Executive Summary was a Rating Description Chart for the Commissioners to refer to as Mr. Mead related the results of the inspection. Visual inspection identified ten pipe segments to have some defects existing which should be addressed within the next ten years. The Executive Summary detailed the assessment of the pipes, recommendations for repairs and the priority of repairs. The Commissioners requested the Director and Engineer review the Executive Summary and assess what repair work could be completed by District staff.

There was a discussion on prioritizing the structural issue with one segment of the pipe. The Director will look into this further.

Item #3 – Discussion on the Recommendation on the Force Main Inspection at I-495 Pump Station with Ian Mead of Tighe & Bond.

Mr. Mead presented some background on the I-495 pump station which was installed in 1988 and is located in the Town of Franklin next to BJ's Wholesale Club. The pump station transports sewer from the Town of Bellingham, Garelick Farms and other customers in Franklin, underneath I-495 highway via an 18 inch ductile iron force main pipe. The Executive Summary reviewed the inspection strategies, structures, wastewater characteristics and corrosivity, pump station flow data and flow control, inspection tools, pros and cons and a budget summary.

Tighe & Bond recommended that the District install an exterior permanent bypass connection outside the pump station building that can be utilized to launch inspection tools. There was a lengthy discussion related to how to lower the flow rate to facilitate the inspection and the risks for modifying pipes that were installed in the late 1980's. The budget summary estimated the cost of the exterior permanent bypass would be \$500,000–\$600,000.

Additionally, there was a discussion on the performance of Tighe & Bond's work for these two items. The Director informed the Board that their performance was sub-par and they required a lot of help and assistance from the District. Specifically, Tighe & Bond did not identify the structural issue with the pipe until the Director and Engineer pointed it out and asked them to look into it further. Also, initial drafts of the report lacked any analysis of the data and was merely a summary of the results. The Director will provide this feedback to Mr. Mead and will look at re-engaging CDM Smith to provide further assistance with the I/I repairs and second opinions on the structural issue in the pipe and the I-495 FM inspection.

Item #4 – Approval of Warrant #22-05.

A motion was made by Commissioner Bauer and seconded by Commissioner Callahan to approve Warrant #22-05 as shown in the agenda.

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| a. | O & M | \$306,609.45 |
| b. | Capital Projects | \$29,000.00 |

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

Item #5 – Engineer's Report.

- a. Landfill Ground Water Monitoring Semi Annual Report. The Engineer recently submitted the aforementioned to the Massachusetts Department of Environmental Protection (MADEP).
- b. Storm Water Quarterly Report. The Engineer submitted the quarterly Storm Water Report to EPA.
- c. Significant Users Industrial Pretreatment Program (IPP). The Engineer reported that she inspected and sampled the three significant industrial users. She stated that Garelick Farms has added a Supervisory Control Data Acquisitions (SCADA) program and other monitoring alarm systems related to their pretreatment.

Item #6 – Executive Director’s Report.

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

Franklin	2 Commercial + 1 home	20,490 gpd
Millis	4 homes	990 gpd

- c. Update on Secondary Clarifier #3. The clarifier has been repaired, but staff will balance and level the arms as it is not rotating smoothly once water is added.
- d. Update on Repair Work at Manhole at Shepard’s Brook Interceptor (SBI). The manhole is upstream from SBI flume. There was a lot of water coming into the manhole, sizable amounts of grout were used to stop the flow. The work is estimated to cost around \$4,000 – \$5,000.
- e. Update on 314 Code of Massachusetts Regulations (CMR) 16.00 Sewage Notification Public Comment Submission. The Director and Engineer submitted comments to MassDEP related to the aforementioned and how it would affect District operations.
- f. Discussion on Executive Director Evaluation Form and Process. The Director presented a handout that Commissioner Bauer reflected on for Executive Director’s Evaluation Topics. Commissioner Bauer asked the Commissioners to review the topics sheet and bring forward their comments for a slated workshop scheduled for January 13, 2021 at the District at 2:00 p.m.
- g. Supply Change Shortages/Trucking Issues. The Director noted they have tried to stay ahead of chemical orders, but need less chemicals as they switch to the NPDES winter permit. Parts are ordered as needed.
- h. Next Monthly Meeting scheduled on Wednesday, December 8, 2021 at 3:00 p.m.

Item #7 – Approval of Minutes from October 13, 2021 Monthly Meeting.

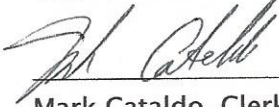
A motion was made by Commissioner Callahan and seconded by Commissioner Bauer to approve the monthly minutes and to forward a copy of the minutes to all attendees of the meeting.

VOTED: That the District approves the preceding motion. The vote was approved.
Commissioner Formato abstained from voting.

A motion was made by Commissioner Formato and seconded by Commissioner Bauer to adjourn the monthly meeting.

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


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


Mark Cataldo, Clerk
Charles River Pollution Control District

12/8/2021
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.