

January 16, 2018

## MUNICIPAL AUTHORITY MINUTES

The Municipal Authority of the Borough of Bedford met at 11:05 am on the above date with Members Larry Johnson, Michael Taylor, Chris Bullington and Scott Moxley present. Borough Manager Barbara Diehl, Borough Secretary Beverly Geller and Steven Fletcher, Operator, Stiffler, McGraw & Associates, Inc. were also present. Absent were Wastewater Assistant Superintendent John Flick and Timothy Cooper P.E. of Stiffler, McGraw & Associates, Inc. Solicitor Crabtree arrived at 11:06 am.

Motion by Mr. Moxley, seconded by Mr. Taylor, to approve the Minutes of the Regular December 19, 2017 Meeting. Motion passed by unanimous vote (4-0).

Motion by Mr. Bullington, seconded by Mr. Moxley, to approve the list of checks from December 20, 2017 to January 16, 2018 that were paid from the Borough of Bedford's Fund 08 Sewer Account as well as the list of unpaid Municipal Authority Fund 10 Account Invoices. Motion approved by unanimous vote (4-0).

Motion by Mr. Moxley, seconded by Mr. Taylor, to approve the January 16, 2018 Treasurer's Report and Requisition 01-2018 (\$100,000.00) transferring funds from Fund 10 into Fund 08. Motion was carried by unanimous vote (4-0).

Discussion on the agreement with the Bedford Township Municipal Authority (BTMA) was entered. The Authority would like a new agreement drafted to update and encompass the two current agreements. Solicitor Crabtree is still working on a draft and should be able to present the document in March at the joint meeting with the BTMA.

An update on the MABB v. Fidelity & Deposit Company of Maryland & Howard Robson, Inc. was provided by Manager Diehl.

After discussion on renewing membership in Pennsylvania Municipal Authorities Association, Authority Members agreed to not continue membership.

Motion was made by Mr. Bullington, seconded by Mr. Taylor, to

- 1) Grant formal approval to sign the Letter of Intent with RER Energy Group – for development, installation and operation of a solar array, totaling an estimated 1,340kW ground-mount solar photovoltaic facility to be located near the Todd Reservoir, following final Negotiation and Feasibility Analysis.
- 2) Formally approve to commit to 60% (\$60,000) of the prepayment on electricity amount needed.
- 3) Grant approval to sign Resolution 01-2018, stating the Municipal Authority of the Borough of Bedford met on Tuesday, January 9<sup>th</sup> (along with members of Borough Council and the Bedford Borough Water Authority) and agreed to pursue the project with RER provided the grant is received from the CFA Program.

Motion was carried by unanimous vote (4-0).

**ASSISTANT SUPERINTENDENT'S REPORT:**

- Absent from meeting - scheduled to attend a class.
- Repairs were made to the boiler.
- The fuel modulation controller was replaced due to leaking seal.
- Ongoing issues with the UV System. South primary drive motor is making noise like a bearing is starting to fail.
- Ordered new motor and received it on 1/15/2018.
- Ongoing monitoring of Kennametal. Sampling 2 days a week and running test in-house with our normal stuff. The last time we were at Kennametal was for an inspection of their pre-treatment system. Filters have been taken out of service and we made them aware that they need to start using them immediately.
- We had two heaters not performing correctly in headworks due to being coated with grease. Spoke with Barb briefly about building a platform below the one to service it easier. That particular heater is about 25 feet off the floor.
- We received a load of ferrous on 1/11/2018 and refueled the heating oil tank on 1/9/2018.
- On 1/7/2018 we had an overflow of digested sludge spill onto the stone area between north and south control. DEP was notified of the spill and an on-site inspection was performed.
- Normal maintenance is being performed and Mike Boore is doing well.
- We have been calibrating as often as we can to try and gather good data.
- Replaced original float system in sump pit (in the main control building). I'm pretty sure it was original from 1976 and the float failed, so parts are kind of hard to find.
- Daily monitoring of the digesters to see if there is something not performing properly.

Authority Member Aaron Berkebile arrived at 11:47 am.

**SMAI BACKUP OPERATOR REPORT (Steven Fletcher)**

- Issue at WWTP on January 7, 2018 was due to freezing temperatures for an extended period of time
- Boiler has been repaired, Cambria Systems is coming to look at PLC
- BTMA is completing sampling and bringing to the WWTP
- Search for a new microscope is continuing
- pH issues are still being researched, testing occurring frequently, industry is cooperating

**ENGINEER'S REPORT**

**1. 2017 SANITARY SEWER REPLACEMENT PROJECT**

- D. J. Wisor is aware there are still a few issues with minor settlement in some yards where laterals were replaced that will need to be addressed in the Spring. We felt this would be best to allow them to go through the Winter to see if they settle any more. We will be retaining \$5,000.00 until the Spring until the laterals mentioned above are addressed.

**2. 2018 SANITARY SEWER REPLACEMENT PROJECT**

- As authorized at last month's meeting, we have started working on the design for the area selected for the 2018 sewer replacement.

### 3. CONSENT ORDER & AGREEMENT (COA)/ CSO REMOVAL PROJECT

- We are continuing to work on our preliminary surveying and design. We will be doing some additional investigation work with our internal televising equipment to verify locations of existing sewer lines and connections when the weather allows and our camera is repaired.

### 4. BEDFORD TOWNSHIP PUMP STATION METERING PROJECT

- The Bedford Township Municipal Authority is still waiting for the planning for the Old Bedford Village pump station capacity increase to be approved by DEP. We checked with DEP on the status of planning approval and were told it is “still in the pile and the expect to get to it in the next couple weeks.” We are finished with the design and permit applications for the project, which includes a magmeter, and will to submit permit applications as soon as the planning is approved.

- The magmeter at the Leach pump station is installed but we have not seen any data yet.

### 5. BTMA AREA 4- CAMP SUNSHINE

- Construction on the Camp Sunshine project began on November 20<sup>th</sup>, with Guyer Brothers as the contractor. It is expected the project will be complete by late Summer of 2018 if all goes well. However, the actual contract time is one year. Work has been slowed somewhat by the holidays and weather.

### 6. BTMA AREAS 5 & 6- CARA HEIGHTS/SUNRISE TERRACE & SUNNYBROOK HAVER

- The BTMA authorized Stiffler McGraw to initiate the design of these sanitary sewer extensions that will add approximately 150 customers to the system. The design is expected to be complete by late 2018 and construction could potentially start sometime in 2019 depending on permitting and funding.

- For reference, below is the proposed timeline we previously discussed:

<b><u>Task</u></b>	<b><u>Projected Completion Date</u></b>
Begin Project Design	February 1, 2018
Submit Permit Applications	February 1, 2019
Complete Final Plan Revisions & Specs	May 1, 2019
Receive DEP Approval of Permits	June 1, 2019
Receive Approval of PennDOT HOP	July 1, 2019
Submit PENNVEST Funding Application	August 1, 2019*
Complete Acquisition of Easements	September 15, 2019*
Receive PENNVEST Funding Offer	October 31, 2019*
Advertise for Construction Bids	January 1, 2020*
Open Construction Bids	February 15, 2020*
Award Contract for Construction	March 15, 2020*
PENNVEST Loan Closing	April 15, 2020*
Issue Notice to Proceed for Construction	April 30, 2020*
Complete Construction of Phase 1 Improvements	July 30, 2021*
Complete Flow Metering to Determine if Sufficient Flow Removed to Abandon CSO	February 28, 2022*
Develop and Implement Plan for Testing of Private Laterals in CSO Tributary Area	April 30, 2022*
Complete Private Lateral Repairs	November 30, 2022*
Abandon CSO	December 31, 2022*

January 16, 2018

\*- Projected Completion Dates are based on the assumed DEP Approval date provided and can be adjusted based on the actual permit approval date.

Steven Fletcher exited the meeting at 11:55 am. Authority entered Executive Session.

Mr. Bullington exited the meeting at 12:32 pm.

Authority exited Executive Session at 12:33 pm.

There being no further business, a motion to adjourn was made at 12:33 p.m.

October 1, 2018

## MUNICIPAL AUTHORITY MINUTES

The Municipal Authority of the Borough of Bedford met on the above date at 4:30 pm with Members Larry Johnson, Larry Myers, Chris Bullington, Matt Bullington, Scott Moxley, Michael Taylor and Jeremy Speicher present. Borough Manager Barbara Diehl, Borough Secretary Beverly Geller, Assistant Borough Secretary Misty Hizer, Wastewater Superintendent John Flick, Public Works Superintendent Bo Ford, Water Superintendent Brad Foor, Timothy Cooper P.E. of Stiffler, McGraw & Associates, Inc., John Clabaugh, P.E. Stiffler McGraw & Associates, Inc. and Solicitor Dean Crabtree were also in attendance.

Motion by Mr. Chris Bullington, seconded by Mr. Moxley, to approve the Minutes of the September 17, 2018 Water Authority and the September 18, 2018 Municipal Authority Meetings. Motion passed by unanimous vote (7-0).

Motion by Mr. Chris Bullington, seconded by Mr. Moxley, to approve the list of checks from September 18, 2018 through October 1, 2018 that were paid from the Borough of Bedford's Fund 08 Sewer Account, the Borough of Bedford's Fund 6 Water Account, as well as the list of unpaid Municipal Authority Fund 10 Account Invoices. Motion approved by unanimous vote (7-0).

Motion by Mr. Matt Bullington, seconded by Mr. Myers, to approve the October 1, 2018 Treasurer's Report and Requisition 11-2018 (\$55,131.00) transferring funds from Fund 10 into Fund 08. Motion was carried by unanimous vote (7-0).

Discussion followed in regards to an email received from the Bedford Township Municipal Authority (BTMA) in regards to a non-functioning meter at the Omni Bedford Springs. A motion was made by Mr. Taylor, seconded by Mr. Matt Bullington, to send BTMA a bill based on their estimated number of \$422,211.68 for missed sewer revenue. Motion was carried by unanimous vote (7-0).

Motion to table a Resolution of Water Rates was made by Mr. Moxley, seconded by Mr. Chris Bullington. Motion was carried by unanimous vote (7-0).

Manager Diehl shared that deed transfers for the Water Authority properties was being handled by Solicitor Crabtree's office and the document was ready for Tom Oster's signature.

Solicitor Crabtree shared that the current agreement with BTMA is to be discussed at the BTMA meeting on Wednesday October 3, 2018 and then the draft needs finalized. Solicitor Crabtree is drafting the documentation for an agreement with BTMA for purchase of water at \$5.25/1000 gallons.

Solicitor Crabtree recommends that the Authority have the Watershed property surveyed due to discrepancies on the Bailey/Eichelberger property listed for sale. Allan Diehl recently surveyed the Bailey/Eichelberger property and shows different boundaries/acreage than prior surveys. Stiffler McGraw will provide cost estimates for a survey at the November MABB meeting.

Manager Diehl shared the Water System Report (through September 16, 2018)

***Updated report will be presented during Authority Workshop Sessions (to better reflect data):***

- The water elevation in the Smith Reservoir is above the spillway by 0.82’.
- The water elevation in the Todd Reservoir is below the spillway by 0.19’.
- The Smith Reservoir is 2.87’ higher than it was last year. The Todd Reservoir is 1.26’ higher than it was last year.
- In August, we recycled an average of 67,000 gpd from the filters and clarifiers back into the Todd Reservoir.
- The average daily minimum river flows in August were approximately 162.76% of last year’s flows.
- 2018 year to date total gallons pumped from the Raystown Branch of the Juniata River = 28.762 MG. Through the end of September 2017, we pumped 113.338 MG and through the end of September 2016, we pumped 125.723 MG.
- In August 2018, the average daily WTP production of water was .462 MGD. In August of 2017, the average daily WTP Production of water was .427 MGD.
- 2018 year to date total precipitation = 43.66”. Through the end of September 2017, we had 35.42” of precipitation and through the end of September 2016 we had 23.05” of precipitation.

Motion was made by Mr. Moxley, seconded by Mr. Matt Bullington, to seek the best rates and terms for a CD in the amount of \$261,832.47 for Water Revenue Funds currently at Hometown Bank. CD has a maturity date of October 11, 2018. Several options were discussed in regards to finding the best rate for the funds. Motion was carried by unanimous vote (7-0).

Motion was made by Mr. Myers, seconded by Mr. Moxley, to approve the Engineering Retainer Agreement with the EADS Group for services on an ‘as needed’ basis for the remainder of 2018. Motion was carried by unanimous vote (7-0).

Discussion was tabled until a meeting can be arranged with Amy Melius, BTMA Manager, on BTMA’s request to shut off water to MABB’s customers for failure to pay BTMA sewer fees.

Manager Diehl shared that a roof repair is needed at the Wastewater Treatment Plant Garage. An estimate was provided by George Beckett & Sons in the amount of \$19,450.00 to repair the end of the roof that is leaking. A second estimate in the amount of \$39,500.00 was received to repair the roof and install a carport. It was agreed to combine the projects, add a contingency amount and budget for completion in 2019.

Manager Diehl requested SMAI present their Engineering Retainer Agreement for 2019 at the November 20, 2018 Meeting. The Agreement will be reviewed, discussed and presented for approval at the December 3, 2018 Meeting.

Bo Ford, Public Works Superintendent, reported:

- Due to the amount of rain fall, a few sewer lines backed up into homes on the west end of town
- Continuing to clean storm grates frequently due to grass clippings and now leaves on the road
- Researching the condition of the storm water lines in the future sewer line project areas
- Plan to rebuild 5 storm boxes.

John Flick, Wastewater Superintendent, reported:

- Plant operations returning to normal after high flows - CSO has been used 7 times so far this year for a total of 17 days
- This week is our annual WETT test
- Working on replacing ORP sensors
- There currently are 2 gas sensors that are failing. Replacements will be ordered and installed when Everett Springer is onsite for fall calibrations
- Plant is operating well
- Portable pH meters are deployed
- Maintenance is being performed according to schedule
- Working with Brad Foor on the replacement of the backflow preventer – once installed the one in the main control building will be removed and the fire system will be placed back online and confirmed as operational
- Through the rain storms we have noticed several leaks in the main control roof and also in the south control roof
- Working on prices for portable flow meter

Brad Foor, Water Superintendent, reported:

- Recently finished the quarterly meter reading. Working on re-reads and fixing broken meters.
- Working on annual leak detection survey. Three (3) leaks found to date, but haven't completed the entire system due to weather. Fixed the 4" main on Woodland Dr.
- Rented a brush hog/ tractor for mowing reservoirs and right of ways. Mowing has been completed.
- Plant survived all the flood water issues with a little dosage change.
- Plant SCADA system updated by Steve, one of our computer guys.
- Issue with a flow control valve that gives us our Stern Pac %, a replacement has been ordered.
- No additional updates on the upcoming timber sale or backflow at the WWTP.
- No progress on Solar panels, probably due to wet weather
- We our planning on mowing, weed eating, completing the leak repairs and black topping in October

## **ENGINEER'S REPORT:**

### **WASTEWATER**

#### **1. 2018 SANITARY SEWER REPLACEMENT PROJECT**

- D.J. Wisor & Sons has completed most of the final restoration and we have scheduled a substantial completion inspection for Thursday, October 4<sup>th</sup>, at 10:00 am.

#### **2. CONSENT ORDER & AGREEMENT (COA)/ CSO REMOVAL PROJECT**

- We are continuing on the final design phase for the sanitary sewer and working to include the water main replacement in areas where paving overlays will be done. We expect to have the sewer design complete shortly and will concentrate on the water design and permitting. DEP told us at the August 27<sup>th</sup> PENNVEST planning consultation that we need to submit a minor permit application for the water line replacement. We are working on that permit application and will submit it as soon as the water design is complete. Unfortunately, that means we would not have permits in time for the PENNVEST application deadline of October 31<sup>st</sup> for approval at PENNVEST's January meeting. We are now more likely to submit to PENNVEST by the February 6<sup>th</sup> deadline for the May PENNVEST meeting. That would mean

construction wouldn't start until the summer of 2019, unless we request a Letter of No Prejudice from PENNVEST to start construction earlier.

- This delay would still leave us well within the timeline for the consent order. For reference, below is the proposed timeline we previously discussed:

<b><u>Task</u></b>	<b><u>Projected Completion Date</u></b>
Begin Project Design	February 1, 2018
Submit Permit Applications	February 1, 2019
Complete Final Plan Revisions & Specs	May 1, 2019
Receive DEP Approval of Permits	June 1, 2019
Receive Approval of PennDOT HOP	July 1, 2019
Submit PENNVEST Funding Application	August 1, 2019
Complete Acquisition of Easements	September 15, 2019
Receive PENNVEST Funding Offer	October 31, 2019
Advertise for Construction Bids	January 1, 2020
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Complete Flow Metering to Determine if Sufficient Flow Removed to Abandon CSO	February 28, 2022
Develop and Implement Plan for Testing of Private Laterals in CSO Tributary Area	April 30, 2022
Complete Private Lateral Repairs	November 30, 2022
Abandon CSO	December 31, 2022

- We discussed at the last meeting the reluctance of the personnel from Mountain Valley Apartments to allow us to construct a new sanitary sewer along the western edge of their property. We looked at two additional options for serving the adjacent buildings and prepared cost estimates for each option. The Mountain Valley option is the least expensive and the closest alternative would be \$18,000 more expensive. We will work with Attorney Crabtree on acquiring the necessary easement.

- During the PENNVEST meeting we discussed the possibility of adding some additional items to the PENNVEST water loan. Items such as new meters and leak detection equipment were mentioned as possibilities. Between now and February we need to be giving some thought toward what you might wish to include in the funding application.

### **3. BEDFORD TOWNSHIP PUMP STATION METERING PROJECT**

- The Bedford Township Municipal Authority received DEP Construction Permit approval for the Old Bedford Village pump station capacity increase and are waiting for approval of a DEP Chapter 106 permit application for construction within a floodplain. They were not selected for a small facilities grant from DCED, but intend to move forward with construction once the permit is received.

- I will be discussing flows being seen at several of the pump stations during the recent rainfall with BTMA at their regular meeting on Wednesday. Several of their pump stations had both pumps running for



entire days during the flooding event. It appears there may be a significant amount of inflow/infiltration occurring somewhere within their system and BTMA intends to investigate it immediately.

#### **4. FLOW METERING AT BTMA CONNECTIONS POINTS**

- We are currently working on cost estimates for the installation of metering equipment to be installed at each of the BTMA connection locations. We expect to have this information for the mid-month meeting. We are currently waiting for some quotes from manufacturers.

#### **5. BTMA AREA 4- CAMP SUNSHINE**

- Construction on the Camp Sunshine is continuing with Guyer Brothers now expecting the project to be complete by the end of November. Work has continued to have several delays due to weather and high groundwater conditions, and Guyer's have requested a 30-day extension. It is likely that connection notices will be sent out to all new customers by December 1<sup>st</sup> and customers will be given until June 1<sup>st</sup> to connect because of the approaching winter season. It is expected that most of the new customers are not likely to connect until the spring of 2019.

#### **6. BTMA AREAS 5 & 6- CARA HEIGHTS/SUNRISE TERRACE & SUNNYBROOK/ HAFER**

- Stiffler McGraw is currently working on preliminary design of these sanitary sewer extensions that will add approximately 150 customers to the system. The design is expected to be complete by early 2019 and construction could potentially start sometime in early 2020 depending on permitting and funding.

#### **7. INDUSTRIAL DISCHARGE LIMITS AND PRETREATMENT**

- We prepared an update of the limits and requirements for organizations that release industrial discharge into the sanitary sewer and provided a draft of the updated requirements for you to review. The Township Municipal Authority is prepared to adopt the new regulations. Are there any questions or concerns on the proposed requirements? We would like to implement this by the end of the year and develop a plan for periodic monitoring of all industrial dischargers. The cost of this plan is being split evenly between the MABB and BTMA.

- We received a Wastewater Evaluation Status Report and Corrective Action Plan from Kennametal's consultant on August 31<sup>st</sup>. The document outlines the steps Kennametal is planning to take to address their industrial discharge situation. A subsequent conference call was held this past week to discuss the contents of the plan and answer questions. Kennametal will be installing new water quality monitoring equipment and performing a pilot test on treatment alternatives over the next couple of months. We expect they will complete their evaluation of alternatives and present their findings and an implementation schedule by the end of the year. We will be continuing to meet with their representatives on a monthly basis to monitor progress. Our next conference call is scheduled for this Thursday at 1:00 pm.

#### **8. TREATMENT PLANT ORGANIC RE-RATING**

- We submitted the DEP permit application to re-rate the Wastewater Treatment plant organically so that the permit could be increased from 2100 lbs/day to 3000 lbs/day. We received confirmation last week that the increase has been approved.

*Motion was made by Mr. Chris Bullington, seconded by Mr. Myers, to grant permission to discuss with Dr. Jerardi and get an estimate to find the root cause of electronic failures, fading paint colors in the UV Room. Motion was carried by unanimous vote (7-0).*

### **WATER**

#### **1. J.C. SMITH RESERVOIR DAM**

-June 25, 2018 Review Comment Letter from DEP - RE: 2017 Annual Inspection - Smith Dam: *"Representatives of the Department met with the Borough at the dam on May 16, 2018. The Borough expressed interest with regards to breaching the dam and deregulating the structure. It was noted that the breach alternatives would require a full breach and downstream area impacts analysis so that a*

*decision can be made regarding the breach specifics. **We request that the results of this analysis, a conceptual plan, and a schedule to perform the breach be provided to our office by December 31, 2018.** Should the Borough decide to keep the dam, conceptual plans addressing the spillway capacity should be provided to our office for review by the same date."*

- We are currently working on scheduling a conference call with DEP prior to the next MABB so we can discuss our plan with them since the combining of the Authorities and the change of consultants. We will be requesting an extension of the December 31<sup>st</sup> deadline.

- We are currently working on gathering some preliminary information needed to perform the downstream analysis. We will not proceed with the analysis until after the DEP call, which will include field surveys of downstream channel and drainage structures, computer modeling, and preparation of Hydrologic and Hydraulic Report.

- We are currently working on a Request for Proposals to be sent to Geotechnical firms to review the report previously prepared by Geo Mechanics in 2009 for the dam and provide comments and recommendations. That will be finalized after the DEP call and sent out.

## **2. ANNUAL DAM INSPECTIONS**

- EADS completed field work in April and submitted the report this fall. They have also indicated they will update the Emergency Action Plans (referenced in DEP's Annual Inspection review comment letter) using the new CEMPlanner electronic format. (We are waiting for confirmation that EADS is still planning to complete the update. If not, Stiffler McGraw will complete it.)

## **3. SOURCE DEVELOPMENT**

- "Water Services / Sources Analysis" dated March 15, 2018 presented during previous Water Authority meetings - discussion / comments. I will be reviewing this document.

- Well Field Development:

- Foor Tract: will wait for Authority direction on this.
- Dishong Well Field: Will contact Casselberry regarding schedule for well investigation / testing work if the Authority wishes to pursue this.

## **4. NORTH SIDE WATER SYSTEM IMPROVEMENT PROJECT**

- An application for grant funding for this project was submitted to the Commonwealth Financing Authority. Total estimated project cost is \$495,000. Authority 15% match is \$74,250. Unfortunately, we found out last week the project was not selected for funding.

## **5. BEDFORD & EAST STREETS WATER LINE REPLACEMENT**

- We were asked to prepare cost estimates for the replacement of existing cast iron mains in these streets between Pitt and John Streets. These are areas where sewer lines were recently replaced and these streets are in the Borough's 2019 paving schedule, which is expected to begin on June 1<sup>st</sup>. We would need to get started on the design of these replacements as soon as possible to have the construction work done prior to the paving work.

- Two cost estimates were prepared and provided to the Authority members last month. One cost estimate includes lines within Pitt and Penn Streets (State roads) that are not part of the Borough paving project, while the second estimate does not include work within the state roads. The difference in construction cost is approximately \$43,000.

*Motion was made by Mr. Moxley, seconded by Mr. Matt Bullington, to approve the designing and bidding to replace water lines of Bedford and East Streets crossing Pitt and Penn, prior to paving. Motion was carried by unanimous vote (7-0).*

## **6. MISCELLANEOUS ITEMS FROM PREVIOUS REPORTS**

- A. **Capital Improvements Projects list and estimated costs** – *See updated project list with cost estimates dated October 2017. No updates*
- B. **Drought Contingency Plan / Supplemental Water Source** – *Updated Drought Plan in draft form. Review trigger levels to reflect current operating conditions. Borough and Township Authorities working on a new agreement to reflect current operating and supplemental water supply conditions. No updates*
- C. **Cross Connection Control Program - Backflow Preventer at Borough Garage / WWTP** - *Wastewater plant operators / staff planning to complete the installation.*
- D. **Clark Water Line Extension** - *Private water line along Donahoe Manor Road - 2" water line with a master meter installed at the connection to the Authority's existing water line along Donahoe Manor Road. Clark still plans to do this - EADS to provide Clark with proposal to provide engineering assistance.*

## **STORMWATER**

### **1. SOUTHWEST BOROUGH FLOODING**

- During the recent flooding, many homes in the southwest portion of the Borough experienced severe flooding and washouts. This has been an ongoing issue for many years. In touring the area, it appears that a significant portion of this runoff is coming into the Borough from development within the Township. Manager Diehl has asked me to set up a meeting with the Township Supervisors to discuss the situation. We have made preliminary contact with Greg Crist, Chairman, about the situation and hope to set up a meeting to formally discuss the problem.

There being no further business, a motion to adjourn was made at 6:46 p.m.

November 5, 2018

## MUNICIPAL AUTHORITY MINUTES

The Municipal Authority of the Borough of Bedford met on the above date at 4:30 pm with Members Larry Johnson, Scott Moxley, Michael Taylor and Jeremy Speicher present. Borough Manager Barbara Diehl, Borough Secretary Beverly Geller, Assistant Borough Secretary Misty Hizer, Public Services Director Brad Foor, Wastewater Superintendent John Flick, Public Works Superintendent Bo Ford, Water Superintendent John Whitmore, Timothy Cooper P.E. of Stiffler, McGraw & Associates, Inc., John Clabaugh, P.E. Stiffler McGraw & Associates, Inc. and Solicitor Dean Crabtree were also in attendance.

Corrections were noted to change the Minutes to reflect Authority moving toward utilizing grinder pumps and directional drilling to install a sanitary sewer close to Mountain Valley apartments. Motion by Mr. Taylor, seconded by Mr. Moxley, to approve the Minutes of the October 1, 2018 Regular Meeting with the noted correction and the October 16, 2018 Workshop Meeting. Motion passed by unanimous vote (4-0).

Motion by Mr. Taylor, seconded by Mr. Speicher, to approve the list of checks from October 2, 2018 through November 5, 2018 that were paid from the Borough of Bedford's Fund 08 Sewer Account, the Borough of Bedford's Fund 06 Water Account, as well as the list of unpaid Municipal Authority Fund 10 Account Invoices. Motion approved by unanimous vote (4-0).

Authority Member Matt Bullington arrived at 4:38 p.m.

Motion by Mr. Taylor, seconded by Mr. Matt Bullington, to approve the November 5, 2018 Treasurer's Report and Requisition 12-2018 (\$55,131.00) transferring funds from Fund 10 into Fund 08 and Requisition 1-2018 (\$50,000.00) from Fund 10 into Fund 06. Motion was carried by unanimous vote (5-0).

Solicitor Crabtree shared that the deed transfer for all Bedford Borough Water Authority property to the Municipal Authority has been completed and filed.

Solicitor Crabtree noted that Bedford Township Municipal Authority (BTMA) has not had a chance to look at the current agreement and then the draft would need to be finalized. Solicitor Crabtree is still working on drafting the documentation for an agreement with BTMA for purchase of water at \$5.25/1000 gallons.

Discussion followed on the installation of meters on incoming sewer lines from BTMA and billing for treatment by either a surcharge or for actual gallons. Motion was made by Mr. Matt Bullington, seconded by Mr. Taylor, granting permission to SMAI to begin the design for installation of 11 meters (14 locations, 3 locations have low usage that would not read correctly). BTMA will be asked to share in the costs of the meters, design and installation. Motion approved by unanimous vote (5-0).

Manager Diehl shared the Water System Report (through October 14, 2018)

***Updated report will be presented during Authority Workshop Sessions (to better reflect data):***

- The water elevation in the Smith Reservoir is above the spillway by 0.82'.
- The water elevation in the Todd Reservoir is below the spillway by 0.17'.
- The Smith Reservoir is 5.86' higher than it was last year. The Todd Reservoir is 0.15' higher than it was last year.

November 5, 2018

- In September, we recycled an average of 99,000 gpd from the filters and clarifiers back into the Todd Reservoir.
- The average daily minimum river flows in September were approximately 3290.25% of last year's flows.
- 2018 year to date total gallons pumped from the Raystown Branch of the Juniata River = 31.700 MG. Through the end of October 2017, we pumped 139.603 MG and through the end of October 2016, we pumped 167.253 MG.
- In September 2018, the average daily WTP production of water was .437 MGD. In September of 2017, the average daily WTP Production of water was .309 MGD.
- 2018 year to date total precipitation = 51.06". Through the end of October 2017, we had 41.42" of precipitation and through the end of October 2016 we had 24.78" of precipitation.

Discussion was tabled until a meeting can be arranged with Amy Melius, BTMA Manager, on BTMA's request to shut off water to MABB's customers for failure to pay BTMA sewer fees.

Manager Diehl shared that she is working on the 2019 Budgets. Proposed Budget will be presented at the November 20, 2018 Workshop and the December 3, 2018 Meeting. Budget discussion will include the annual three (3.0%) utility rate increase. The 2019 Budget will need to be officially adopted at the December 18, 2018 Meeting.

## **ENGINEER'S REPORT:**

### **WASTEWATER**

#### **1. 2018 SANITARY SEWER REPLACEMENT PROJECT**

- D.J. Wisor & Sons has completed the final restoration and a substantial completion inspection was held on Thursday, October 4<sup>th</sup>. There were no items noted that need the contractor's attention. We have received the final paperwork from Wisor and Final Payment Request No. 4, in the amount of \$17,711.59, for the Authority's approval. The final contract price ended up at \$354,231.88, while the original contract price was \$409,070.00.

*Motion was made by Mr. Moxley, seconded by Mr. Taylor, to approve the Final Payment Request No. 4 for DJ Wisor & Sons in the amount of \$17,711.59. Motion was carried by unanimous vote (5-0).*

#### **2. CONSENT ORDER & AGREEMENT (COA)/ CSO REMOVAL PROJECT**

- We have the sanitary sewer design completed and we are now concentrating on finalizing the water design, environmental reviews, and permitting. We are still working toward submitting funding applications to PENNVEST by the February 6<sup>th</sup> deadline for the May PENNVEST meeting. Meeting that deadline will be dependent on DEP permit review times, since permits need to be in hand before the funding applications can be submitted.

- This delay would still leave us well within the timeline for the consent order. For reference, below is the proposed timeline we previously discussed:

**Task**  
Begin Project Design

**Projected Completion Date**  
February 1, 2018

Submit Permit Applications	February 1, 2019
Complete Final Plan Revisions & Specs	May 1, 2019
Receive DEP Approval of Permits	June 1, 2019
Receive Approval of PennDOT HOP	July 1, 2019
Submit PENNVEST Funding Application	August 1, 2019
Complete Acquisition of Easements	September 15, 2019
Receive PENNVEST Funding Offer	October 31, 2019
Advertise for Construction Bids	January 1, 2020
Open Construction Bids	February 15, 2020
Award Contract for Construction	March 15, 2020
PENNVEST Loan Closing	April 15, 2020
Issue Notice to Proceed for Construction	April 30, 2020
Complete Construction of Phase 1 Improvements	July 30, 2021
Complete Flow Metering to Determine if Sufficient Flow Removed to Abandon CSO	February 28, 2022
Develop and Implement Plan for Testing of Private Laterals in CSO Tributary Area	April 30, 2022
Complete Private Lateral Repairs	November 30, 2022
Abandon CSO	December 31, 2022

- During the PENNVEST meeting we discussed the possibility of adding some additional items to the PENNVEST water loan. Items such as new meters and leak detection equipment were mentioned as possibilities. Between now and February we need to be giving some thought toward what you might wish to include in the funding application.

### **3. BTMA- OLD BEDFORD VILLAGE PUMP STATION**

- The Bedford Township Municipal Authority received DEP Construction Permit approval for the Old Bedford Village pump station capacity increase and are still waiting for approval of a DEP Chapter 106 permit application for construction within a floodplain. They have authorized moving forward with bidding and construction once the permit is received.

### **4. FLOW METERING AT BTMA CONNECTION POINTS**

- At the last meeting we provided cost estimates for the installation of metering equipment to be located at each of the BTMA connection locations. We can answer any questions you may have on this and will wait for authorization from the Authority before proceeding with anything.

- If the Authority is planning to use the information gathered with these meters for billing purposes, the language within the Intermunicipal Agreement currently under review will need to be revised. The Agreement states that water meter usage records will be used for billing and the meters would be used to determine sewage discharges that exceed the water usage by 20 percent.

- I discussed high flows being seen at several of the pump stations during the recent rainfall event with BTMA. Several of their pump stations had both pumps running for entire days during the flooding event. It appears there may be a significant amount of inflow/infiltration occurring somewhere within their system and BTMA intends to investigate it. They are currently working on the installation of a permanent flow meter on the Kaleidoscope Road Pump Station. It appears much of the extra flow seems to be coming from upstream of this area.

### **5. BTMA AREA 4- CAMP SUNSHINE**

- Construction on the Camp Sunshine area is continuing with Guyer Brothers now expecting the project to be complete by the end of November. Work has continued to have several delays due to weather and high groundwater conditions. It is likely that connection notices will be sent out to all new customers by December 1<sup>st</sup> and customers will be given until June 1<sup>st</sup> to connect because of the approaching winter season. It is expected that most of the new customers are not likely to connect until the spring of 2019.

## 6. BTMA AREAS 5 & 6- CARA HEIGHTS/SUNRISE TERRACE & SUNNYBROOK/ HAFER

- Stiffler McGraw is currently working on preliminary design of these sanitary sewer extensions that will add approximately 150 customers to the system. The design is expected to be complete by early 2019 and construction could potentially start sometime in early 2020 depending on permitting and funding.

## 7. INDUSTRIAL DISCHARGE LIMITS AND PRETREATMENT

- We prepared an update of the limits and requirements for organizations that release industrial discharge into the sanitary sewer and provided a draft of the updated requirements for you to review. The Township Municipal Authority is prepared to adopt the new regulations in December. We would like to implement this by the end of the year and develop a plan for periodic monitoring of all industrial dischargers, but will need the Authority to formally adopt the regulations. The cost of this plan is being split evenly between the MABB and BTMA.

- Kennametal will be installing new water quality monitoring equipment and performing a pilot test on treatment alternatives over the next couple of months. They have selected a vendor to work with on their pilot test. We expect they will complete their evaluation of alternatives and present their findings and an implementation schedule by the end of the year. We will be continuing to meet with their representatives on a monthly basis to monitor progress and they will also be providing periodic updates by email. They are already at least 2 weeks behind the schedule originally provided, but indicated they still expect to have their final recommendations completed by the end of the year. We have a teleconference scheduled just prior to this meeting and hope to be able to provide updated information.

## WATER

### 1. J.C. SMITH RESERVOIR DAM

-June 25, 2018 Review Comment Letter from DEP - RE: 2017 Annual Inspection - Smith Dam: *"Representatives of the Department met with the Borough at the dam on May 16, 2018. The Borough expressed interest with regards to breaching the dam and deregulating the structure. It was noted that the breach alternatives would require a full breach and downstream area impacts analysis so that a decision can be made regarding the breach specifics. **We request that the results of this analysis, a conceptual plan, and a schedule to perform the breach be provided to our office by December 31, 2018.** Should the Borough decide to keep the dam, conceptual plans addressing the spillway capacity should be provided to our office for review by the same date."*

- We had a conference call with DEP on October 17<sup>th</sup> to discuss our proposed activities with them since the combining of the Authorities and the change of consultants. We requested an extension of the December 31<sup>st</sup> deadline to allow additional time for the Authority to evaluate the available options in greater detail. DEP asked that we provide a scope of what that evaluation would include along with a timeline for completion. We have prepared a proposal that includes the options to be evaluated and a timeline and will present it at this meeting. We have told DEP that we would submit this information to DEP following authorization by the Authority.

- Following the DEP call, we began work on the downstream analysis, which will include field surveys of the downstream channel and drainage structures, computer modeling, and preparation of Hydrologic and Hydraulic Report. Based on our DEP call, it appears that it may be necessary to perform a downstream analysis for the stream below the spillway as well. We had previously been told that DEP said all the flow from the breach would have to go to the original stream, but they told us that was not the case.

- We recently sent out a Request for Proposals to two Geotechnical firms to review the report previously prepared by Geo Mechanics in 2009 for the dam and provide comments and recommendations. We hope to have proposals to perform the work from them by the mid-month workshop meeting.

*A proposal was distributed by Mr. Cooper and Mr. Clabaugh showing five (5) options for services to prepare a study evaluating potential modifications to the Authority's existing water system. Mr. Clabaugh shared that for Analysis 3 through 5 assumptions increase as verified data decreases.*

- *Analysis 1 – Very Comprehensive*                     \$ 296,544.00
- *Analysis 2 – Remove Ground Water*                 \$ 269,036.00
- *Analysis 3 – No study, Numbers are assumed*       \$ 179,036.00
- *Analysis 4 – Info from prior EADS study used*       \$ 133,786.00
- *Analysis 5 – No Analysis for Todd Reservoir*         \$ 92,316.00

*After discussion a decision was tabled until the November 20, 2018 Workshop Meeting when Mr. Myers would be in attendance. Authority Members asked Manager Diehl to budget \$269,000.00 in anticipation of the project.*

## **2. ANNUAL DAM INSPECTIONS**

- EADS completed field work in April and submitted the report this fall. They have also indicated they will update the Emergency Action Plans (referenced in DEP's Annual Inspection review comment letter) using the new CEMPlanner electronic format. (We are waiting for confirmation that EADS has completed the update.)

## **3. SOURCE DEVELOPMENT**

- "Water Services / Sources Analysis" dated March 15, 2018 presented during previous Water Authority meetings - discussion / comments. I will be reviewing this document.

-Well Field Development:

- Foor Tract: will wait for Authority direction on this.
- Dishong Well Field: Will contactCasselberry regarding schedule for well investigation / testing work if the Authority wishes to pursue this.

## **4. BEDFORD & EAST STREETS WATER LINE REPLACEMENT**

- We are continuing on the design for the replacement of existing cast iron mains in these streets between Pitt and John Streets. These are areas where sewer lines were recently replaced and these streets are in the



Borough's 2019 paving schedule, which is expected to begin on June 1<sup>st</sup>. We hope to get the design of these replacements completed and the contract out to bid in early 2019 to have the construction work done prior to the paving work.

*A handout was distributed by Mr. Cooper and Mr. Clabaugh in regards to the Clark Building Water Line Extension. It was proposed that a six (6) inch water line extension be installed along Route 30 to the Clark Building seeking the addition of Burger King, Second Journeys, Save A Lot and Somerset Trust onto MABB's water services. The businesses are currently served by wells and Burger King and Save A Lot must meet stringent DEP testing requirements. It is proposed for an estimated construction cost of \$ 209,325.00 and would be closer to the proposed Rutters that is planned for the eastern end of the Route 30 bypass. The matter was tabled until the November 20, 2018 Workshop Meeting.*

## **5. WATERSHED PROPERTY SURVEYS**

- As approved at the last meeting, we have started gathering preliminary information on the properties to be surveyed. The actual surveying is not likely to occur until after deer season for safety reasons.

## **6. WTP FILTER NO. 2 FAILURE**

- John Whitmore reported an issue with Filter #2 to SMA. Specifically, Filter #2 was experiencing high turbidity in the treated water which caused the filter to shut down. He investigated and found an apparent failure within the media retention system. This system is located at the bottom of the filter and is beneath the entirety of the filter media. The only way to directly inspect the media retention screens is to remove the media from the filter itself. Based on the report from John, SMA staff contacted the filter manufacturer. The manufacturer reported that the Water Authority had Filter #1 and Filter #3 rebuilt within the past few years but has not completed media replacement or maintenance upgrades to Filter #2. They recommended completing those tasks as part of the repairs for Filter #2. They have provided a quote to complete that work of \$49,738 for Authority approval.

*Motion was made by Mr. Speicher, seconded by Mr. Moxley, to approve the repair of Filter # 2 along with media replacement and maintenance upgrades. Motion was approved by unanimous vote (5-0).*

## **7. MISCELLANEOUS ITEMS FROM PREVIOUS REPORTS**

- A. **Capital Improvements Projects list and estimated costs** – *See updated project list with cost estimates dated October 2017. No updates*
- B. **Drought Contingency Plan / Supplemental Water Source** – *Updated Drought Plan in draft form. Review trigger levels to reflect current operating conditions. Borough and Township Authorities working on a new agreement to reflect current operating and supplemental water supply conditions. No updates*
- C. **Cross Connection Control Program - Backflow Preventer at Borough Garage / WWTP - Wastewater plant operators / staff planning to complete the installation.**

- D. Clark Water Line Extension** - *Private water line along Donahoe Manor Road - 2" water line with a master meter installed at the connection to the Authority's existing water line along Donahoe Manor Road.* **Had a meeting with Clark last week and looked at other potential options which we will discuss with the Authority at this meeting.**

## **STORMWATER**

### **1. SOUTHWEST BOROUGH FLOODING**

- During the recent flooding, many homes in the southwest portion of the Borough experienced severe flooding and washouts. This has been an ongoing issue for many years. In touring the area, it appears that a significant portion of this runoff is coming into the Borough from development within the Township. We have had preliminary discussions with Greg Crist, Chairman of the Supervisors, about the situation and hope to set up a meeting to formally discuss the problem.

### **PUBLIC SERVICES DIRECTOR (Brad Foor) REPORT:**

- Leak Detection Survey Completed
- Solar Panel Update

### **PUBLIC WORKS SUPERINTENDENT'S (Bo Ford) REPORT:**

- Rebuilt Storm Boxes by Bedford Gazette and on Preston Street; Rebuilding Storm Box on Railroad Street

### **WASTEWATER SUPERINTENDENT'S REPORT (John Flick):**

- Plant is operating well.
- Finished up the annual WETT test the first week of October.
- We are still waiting on the results from the contract lab on the aquatic results.
- Started hauling bio solids to Natali Bros. farm. Due to weather we have been waiting to continue.
- Replaced failed temperature transmitter in digester 1 and is now back online.
- Annual plant inspection was on October 17<sup>th</sup>. (All went well)
- During the review at the end of the inspection, Mr. Clark asked if I would be interested in a revisit with the DEP operator outreach program.
- Have been contacted by Walter Higgins with the possibility of hosting a plant operation course.
- Raw pump 3 went down on October 16<sup>th</sup>, motor replacement was looked at. Cost \$23,000 for replacement. IM Motors took motor to make repairs.
- Raw pump 3 is due back any day.
- We have received parts to start the relocation of the backflow preventer.
- Piping was replaced on the fire line and brought the fire system back up and flushed the system.
- Conducted tours of the facility for the 9<sup>th</sup> grade class from Bedford High School 10/30 & 11/1.
- Have been placing the portable pH meter out in the area around Walmart DC center.
- Been working with probes in the SBR tanks trying to get the ORP sensors working as they should and not having much luck with them. Continuing efforts.
- Started working Dustin Shaffer into the weekend rotation and he is progressing well
- Both generators have been serviced and checked into the pre-low oil pressure alarm light being on. Problem is in the control board and tech didn't feel as we should get concerned. Control board is \$1,500 to replace.

November 5, 2018

- Normal maintenance is being performed as per schedule.
- Been working with Brad Foor to bring him up to speed on WWTP. He was a great help thru the tours.
- Working on getting prices for equipment in the lab that needs updated.

**WATER SUPERINTENDENT'S (John Whitmore) REPORT:**

- Under Drain Issue on Filter 2

There being no further business, a motion to adjourn was made at 6:49 p.m.

March 4, 2019

## MUNICIPAL AUTHORITY MINUTES

The Municipal Authority of the Borough of Bedford met on the above date at 4:30 p.m. with Members Larry Johnson, Chris Bullington, Matt Bullington, Jim Gonsman and Jeremy Speicher present. Borough Manager Barbara Diehl, Borough Secretary Beverly Geller, Assistant Borough Secretary Misty Hizer, Public Services Director Brad Foor, Solicitor Dean Crabtree and Tim Cooper, PE of Stiffler, McGraw & Associates, Inc., were also present. Absent were Authority Member Scott Moxley and John Clabaugh, PE of Stiffler, McGraw & Associates, Inc.

Motion was made by Mr. Speicher, seconded by Mr. Chris Bullington, to approve the Minutes of the February 4, 2019 Regular Meeting. Motion was carried by unanimous vote (5-0).

Motion was made by Mr. Chris Bullington, seconded by Mr. Speicher, to approve the Minutes of the February 19, 2019 Authority Workshop Minutes. Motion was carried by unanimous vote (5-0).

Authority Member Larry Myers arrived at 4:34 p.m.

Motion by Mr. Gonsman, seconded by Mr. Matt Bullington, to approve the list of unpaid Municipal Authority Fund 10 Invoices from February 5, 2019 to March 4, 2019. Motion approved by unanimous vote(6-0).

Motion by Mr. Chris Bullington, seconded by Mr. Myers, to approve the March 4, 2019 Treasurer's Report. Motion was approved by unanimous vote (6-0).

Solicitor Crabtree shared that the new agreement with Bedford Township Municipal Authority (BTMA) and the Rate Agreement is being typed and will be presented prior to the March 27<sup>th</sup> meeting with BTMA. The Clark agreement was mailed on March 1, 2019 for their approval.

Discussion was tabled until a meeting can be arranged with Amy Melius, BTMA Manager, on BTMA's request to shut off water to MABB's customers for failure to pay BTMA sewer fees.

Manager Diehl shared there has been interest in the building of spec homes in the Arnold-Smythe property along Oakwood Drive and Jefferson Drive. A plan has not been approved by the Borough for the area (Section 3).

Motion was made by Mr. Myers, seconded by Mr. Matt Bullington, to award the 2019 Bedford & East Streets (Water Line Replacement) and Clark Water Line Extension to Guyer Bros. in the amount of \$595,834.00. Motion was carried by unanimous vote (6-0).

Both Sewer and Water Applications have been received by PENNVEST. DEP approved the Water application but missed a step in completing the process. A call has been placed to DEP to correct the error.

An Engineering services agreement needs executed and uploaded to PENNVEST. The agreement will be added to the March 19<sup>th</sup> Workshop for approval.

March 4, 2019

Kennametal did not call into a recent scheduled conference call to discuss industrial discharge and testing. Kennametal has also missed submitting four (4) samples in the last two months.

The Authority agreed that all conversations in regards to industrial discharge should be directed to L.J. Seidel at Stiffler McGraw.

Stiffler McGraw has reviewed plans for a proposed Rutters along the Route 30 bypass. The plan from Rutters detailed a 2 inch water line, but a 6 inch water line will be required. A grinder pump will be required for sewer. Sewer line is currently between JLG and Defiance Metal Products.

Brad Foor shared that red oak prices have fallen and Tom O'Neil is suggesting cleaning up the woodlot once the weather breaks and harvesting red oak when prices increase.

Manager Diehl shared that work on the solar panel project will begin in June with a completion date of December 31<sup>st</sup>.

There being no further business, a motion to adjourn was made at 5:09 p.m.

## MUNICIPAL AUTHORITY MINUTES

The Municipal Authority of the Borough of Bedford met on the above date at 4:43 p.m. with Members Larry Johnson, Larry Myers, Matt Bullington, Chris Bullington and Scott Moxley present. Borough Manager Barbara Diehl, Borough Secretary Beverly Geller, Assistant Borough Secretary Misty Hizer, Public Services Director Brad Foor, Solicitor Dean Crabtree and Tim Cooper, PE, of Stiffler, McGraw & Associates, Inc., were also present. Authority Members James Gonsman and Jeremy Speicher were absent along with John Clabuagh, PE, of Stiffler, McGraw & Associates, Inc.

Motion was made by Mr. Moxley, seconded by Mr. Chris Bullington, to approve the Minutes of the July 1, 2019 Regular Meeting and the Minutes from the July 16, 2019 Authority Workshop. Motion was carried by unanimous vote (5-0).

Motion was made by Mr. Myers, seconded by Mr. Matt Bullington, to approve the list of unpaid Municipal Authority Fund 10 Invoices from July 2, 2019 to August 20, 2019. Motion approved by unanimous vote (5-0).

Motion was made by Mr. Moxley, seconded by Mr. Chris Bullington, to approve the August 20, 2019 Treasurer's Report. Motion was approved by unanimous vote (5-0).

Motion was made by Mr. Matt Bullington, seconded by Mr. Chris Bullington, to approve Requisition #7-2019 Sewer to transfer \$125,000.00 from Fund 10 to Fund 8 and Requisition #7-2019 Water to transfer \$125,000.00 from Fund 10 to Fund 6. Motion was carried by unanimous vote (5-0).

Garnell Washington and Wilma Poole (264 Old State Road, Bedford Township); Ed and Ellen Keller along with Bob and Judy Lankey (742 Green Lane); Charwin Reichelderfer (727 Preston Street); Susan Hite (791 Echo Vale Drive); Chris Wolfe (775 Echo Vale Drive); Roger Arnold (726 Preston Street) and Dan Genditzki (237 W Pitt Street) were in attendance to discuss storm water runoff.

Dan Genditzki was in attendance seeking assistance due to recent flood damage at his property at 237 W. Pitt Street. Mr. Genditzki noted that he purchased the house 13 years prior and has only recently had water running from the Fire Dept Build Project area into his garage and house basement. Mr. Cooper noted that he was present during one of the storms and the runoff from the Fire Dept Build site is running down Central Way and onto West Street. Water from the Borough Building parking lot was witnessed by Mr. Cooper flowing across Central Way. Mr. Myers noted that the Authority would discuss further at the September 17, 2019 Meeting. Mr. Genditzki exited the meeting at 4:56 p.m.

Charwin Reichelderfer shared that on Tuesday, July 23<sup>rd</sup>, he had damages of \$4,000.00 due to flooding at his home at 727 Preston Street. Storm water was a foot high on his siding; a basement window broke due to the water pressure filling a basement window well resulting in the loss of two freezers.

Manager Diehl noted that in 2019 there have been some monumental storms and Mr. Cooper and the Borough staff have been taking videos and photographs during and immediately after the storms. The Municipal Authority and the Water Authority combined in October 2018 and took on storm water at that time. The Municipal Authority and Bedford Township Supervisors have met to discuss storm water issues. Funding is available through PENNVEST to address storm water issues as part of a joint project

August 20, 2019

with the Township. The Borough could address storm water, but storm water coming from areas outside the Borough needs addressed also.

Mr. Reichelderfer noted that the runoff is coming from areas in the Township higher than the Borough. He also noted that he was told there were underground caverns where milk from an old creamery was poured onto the ground in the area of Preston Street and then the milk would come out down by the Fort. Water currently ponds on Preston Street and then quickly disappears when the storms end. Mr. Reichelderfer also noted he feels the crown of Preston Street is part of the problem. Discussion followed in regards to the streets in Colorado Springs, CO that streets are used as storm drains with dips in intersections to allow storm water to run away from housing.

Susan Hite (791 Echo Vale Drive) noted that exactly one minute after the one drain quits accepting water the next drain overflows. Ms. Hite asked about putting in a bigger pipe to accept additional water. Mr. Cooper explained that the smallest pipe along the line is the pinch point. An example of a larger pipe on a recent project was estimated at \$70,000.00.

Mr. Reichelderfer exited the meeting at 5:33 p.m.

Manager Diehl shared that the Authority will continue to discuss the issue and seek solutions. Authority Members shared that currently there are no funds to address storm water issues. Finding a way to address and correct the issue fairly for all in the Borough will need explored and implemented. Mr. Johnson noted that residents living on higher ground will feel differently about paying for stormwater solutions than those residents who have flooding issues.

Mr. Washington (264 Old State Road, Bedford Township) noted that since the Water Treatment Plant was constructed, flooding has occurred at their residence and their neighbor's home at 256 Old State Road, Bedford Borough. Mr. Washington noted that he talked to the Township about the issue, but they were rude about the problem. Mr. Washington noted that the water was coming from Fairlane Drive in the Township.

Authority Members asked for patience as research is undertaken, funding options are explored and collaboration with the Township is sought to address and correct the issues.

Mr. Washington asked about the selling of the Reservoir and that community input be considered prior to a sale of the Reservoir.

Manager Diehl noted that the entire water system is being studied extensively. The study is almost complete and will be presented in the next few months by Stiffler McGraw & Assoc., Inc. Manager Diehl noted that after the data is presented, the Authority will make a decision on the entire water system.

All guests exited the meeting at 5:53 p.m.

Solicitor Crabtree shared that changes are being drafted to the new agreement with Bedford Township Municipal Authority (BTMA). The changes were discussed at the joint meeting held on March 27, 2019.

Solicitor Crabtree shared information in regards to the Sally Klein property at 420 S. Richard Street in regards to a request to install a privacy fence if the shrubbery is removed for the CSO Project. The Authority asked that if the property is condemned that it be presented as originally written. Manager Diehl noted that every additional angle costs more. Manager Diehl noted that each additional angle includes the need for an additional manhole. Each manhole costs approximately \$5,000.00.

Solicitor Crabtree noted that Joe Gothie, Lawther Manor, asked for a case of beer or \$25.00 for signing the Easement. Motion was made by Mr. Myers, seconded by Mr. Matt Bullington, to approve payment in the amount of \$25.00. Motion was carried by unanimous vote (5-0).

Manager Diehl shared the Water System Report

***Updated report will be presented during any mid-month meeting (to better reflect data):***

- The water elevation in the Smith Reservoir is below the spillway by 3.82’.
- The water elevation in the Todd Reservoir is below the spillway by 0.31’.
- The Smith Reservoir is 2.99’ lower than it was last year. The Todd Reservoir is 0.05’ higher than it was last year.
- In July, we recycled an average of 72,000 gpd from the filters and clarifiers back into the Todd Reservoir.
- The average daily minimum river flows in July were approximately 67.72% of last year’s flows.
- 2019 year to date total gallons pumped from the Raystown Branch of the Juniata River = 68.08 MG. Through the end of August 2018, we pumped 30.03 MG and through the end of August 2017, we pumped 98.38 MG.
- In July 2019, the average daily WTP production of water was .361 MGD. In July of 2018, the average daily WTP Production of water was .478 MGD.
- 2019 year to date total precipitation = 32.48”. Through the end of August 2018, we had 36.98” of precipitation and through the end of August 2017 we had 34.23” of precipitation.

Manager Diehl shared that the Solar Panel installation has been delayed six months. A call was received by DEP in regards to a change in the watershed since the trees were removed for installation of the panels.

Manager Diehl noted that Dustin Shaffer has been accepted by the US Air Force. A replacement for his position in Public Works (WWTP Mechanic) will need to be hired.

Motion was made by Mr. Myers, seconded by Mr. Chris Bullington, to approve:

- *Letter to the Chief Counsel of the Pennsylvania Infrastructure Investment Authority for the use of General Funds or Short Term Borrowed Funds to finance on an interim basis, the costs of the **Sanitary Sewer** Improvements Project with the expectation to be reimbursed with the proceeds of the PENNVEST loan with a principal maximum amount of **\$1,250,000.00***
- *Letter to the Chief Counsel of the Pennsylvania Infrastructure Investment Authority for the use of General Funds or Short Term Borrowed Funds to finance on an interim basis, the costs of the **Water** Improvements Project with the expectation to be reimbursed with the proceeds of the PENNVEST loan with a principal maximum amount of **\$750,000.00***
- *Resolution 2019-05 **Sewer** – Reimbursement Resolution for Project Costs – (up to **\$1,250,00.00**) – **Sanitary Sewer Project.***
- *Resolution 2019-05 **Water** – Reimbursement Resolution for Project Costs (up to **\$750,00.00**) – **Water Project.***
- *Resolution 2019-06 **Sewer** – Declaration of Taking for Project 17-009 for Right of Ways*



Motion was carried by unanimous vote (5-0).

Motion was made by Mr. Matt Bullington, seconded by Mr. Myers, to approve Resolution 2019-07 Sewer approving the PennDOT Highway Occupancy Permit for the CSO Project. Motion was carried by unanimous vote (5-0).

Motion was made by Mr. Moxley, seconded by Mr. Myers, to approve Pay Request #4 from Guyer Brothers in the amount of \$51,761.65 for the 2019 Water Project. Motion was carried by unanimous vote (5-0).

Motion was made by Mr. Chris Bullington, seconded by Mr. Myers, to approve Larry Johnson to sign the (2) Co-Permittee Agreements (Assumption of Responsibility under a General or Individual NPDES Permit for Stormwater Discharges Associated with Construction) Statements. Motion was carried by unanimous vote (5-0).

Mr. Cooper shared his report:

**WASTEWATER & WATER**

**1. CONSENT ORDER & AGREEMENT (COA)/ CSO REMOVAL PROJECT**

- Following the approval of the short-term loan and the corresponding resolutions at today's meeting we will be submitting a request to PENNVEST for a "pre-closing letter" that will allow us to begin the project before closing the PENNVEST loans. We are currently moving forward with the award documents with both low bidders and expect work to begin by the end of September. Kukurin Contracting is the low bidder on Contract 2019-2 at \$4,939,843.00 and Continental Construction is the low bidder on Contract 2019-3 at \$3,947,146.00. These amounts total more than what was requested from PENNVEST in the funding packages and a request has been made to PENNVEST for the additional funds. It is estimated that an additional \$426,403.00 would be needed on the water loan and an additional \$841,934.00 would be needed on the sewer loan. The PENNVEST board is expected to announce the additional funding at their October meeting.

- The \$60,000 Letter of Credit for Bedford Township was received from Hometown Bank and was been forwarded to the Township to issue the roadway permit. Permit has not been issued until we have a certificate of insurance from the contractor.

- Easements were provided to Attorney Crabtree and he is moving forward with condemnations as necessary. We have also been trying to answer questions that property owners have.

- For reference, below is the proposed timeline we previously discussed:

<b><u>Task</u></b>	<b><u>COA Date</u></b>	<b><u>Status</u></b>
Begin Project Design	February 1, 2018	Complete
Submit Permit Applications	February 1, 2019	Complete
Complete Final Plan Revisions & Specs	May 1, 2019	Complete
Receive DEP Approval of Permits	June 1, 2019	Complete
Receive Approval of PennDOT HOP	July 1, 2019	Pending
Submit PENNVEST Funding Application	August 1, 2019	Complete
Complete Acquisition of Easements	September 15, 2019	Pending
Receive PENNVEST Funding Offer	October 31, 2019	Complete
Advertise for Construction Bids	January 1, 2020	Complete
Open Construction Bids	February 15, 2020	7/1/2019

Award Contract for Construction	March 15, 2020
PENNVEST Loan Closing	April 15, 2020
Issue Notice to Proceed for Construction	April 30, 2020
Complete Construction of Phase 1 Improvements	July 30, 2021
Complete Flow Metering to Determine if Sufficient Flow Removed to Abandon CSO	February 28, 2022
Develop and Implement Plan for Testing of Private Laterals in CSO Tributary Area	April 30, 2022
Complete Private Lateral Repairs	November 30, 2022
Abandon CSO	December 31, 2022

## **WASTEWATER**

### **1. INDUSTRIAL DISCHARGE LIMITS AND PRETREATMENT**

- We are nearing the end of meeting with all industrial dischargers and have been working with EPA to make sure our plan is in compliance with their requirements. So far, the feedback from EPA has been positive with very few changes being required.

- Based upon the EPA involvement in the pretreatment program, it is now a necessity that we complete a full tour and associated documentation of the Kennametal facility. Access to the site has been restricted pending execution of the requested non-disclosure forms. SMA and the Authority's solicitor have voiced concerns regarding the content of these non-disclosures as it would limit the Authority's ability to meet their obligations to report certain potential findings to state and federal agencies. The necessary tour will be re-scheduled upon resolution of this issue. If this issue is not resolved we may need to request the involvement of EPA.

### **2. FLOW METERING AT BTMA CONNECTION POINTS**

-Plans and specifications have been completed for this project. As soon as the necessary easements have been secured, SMA will be prepared to advertise the project for bids. Would the Authority like to proceed with advertising for bids?

### **3. CHEMICAL FEED OPTIONS FOR WWTP**

-SMA provided a schematic plan and cost estimate for consideration by the Authority at a previous meeting. If the Authority either has questions regarding the previously provided information or wishes to move forward with the proposed project, they will need to inform SMA.

### **4. BTMA- OLD BEDFORD VILLAGE PUMP STATION**

- Guyer Brothers have set the vaults and they are now working on the interior plumbing and electrical service. Completion is now expected in September.

### **5. BTMA AREA 4- CAMP SUNSHINE**

- Construction and restoration on the Camp Sunshine is complete and customers are now being connected to the system.

## **6. BTMA AREAS 5 & 6- CARA HEIGHTS/SUNRISE TERRACE & SUNNYBROOK/ HAFER**

- Stiffler McGraw is currently working on design of these sanitary sewer extensions that will add approximately 150 customers to the system. The design is expected to be complete by Spring 2020 and construction could potentially start sometime in early 2021 depending on permitting and funding.

### **WATER**

#### **1. J.C. SMITH RESERVOIR DAM/ WATER SYSTEM EVALUATION**

-Stiffler McGraw completed the downstream area impacts analysis by the end of December and submitted the analysis to DEP prior to the deadline. MABB recently received notification from the DEP that the downstream impacts analysis was approved and the Department awaits a conceptual plan and schedule to perform either the breaching of the Dam or completion of necessary improvements to bring the Dam into compliance. These items will be included as a part of the overall study we are working on.

We are moving forward with analysis of historical data, evaluation of downstream impacts at both dams, conceptual layouts and preliminary cost estimates.

We are currently working on all aspects of this study with a significant number of SMA staff members and will continue towards the generation of a draft report. We would like to schedule a workshop meeting in early October to discuss the contents of the draft study before it is finalized.

#### **2. CHEMICAL FEED OPTION AT WTP**

- SMA provided a schematic plan and cost estimate for consideration by the Authority at a previous meeting. If the Authority either has questions regarding the previously provided information or wishes to move forward with the proposed project, they will need to inform SMA.

-These items have also been included in the overall water system report as one of 2 schematic options to address chemical feed on the site.

#### **3. BEDFORD & EAST STREETS WATER LINE REPLACEMENT/ CLARK EXTENSION**

- The work is now complete with only some minor punch list items remaining to be addressed. Guyer Brothers submitted Pay Estimate No. 4 this month requesting payment of **\$51,761.65**. There is \$28,563.21 currently being held in retainage. The final contract total came in at \$571,264.21, which is less than the original contract price of \$595,834.00.

#### **4. TODD SPRING RESERVOIR DAM**

We received a letter dated April 2, 2019 from the DEP. Within that letter, DEP reminded MABB of their obligation to complete an updated EAP for this facility. They are also requiring a rehabilitation plan to be prepared which would address the spillway structure. This is actively being evaluated as part of the overall system evaluation.

## **5. DEP REGULATORY ASSISTANCE**

SMA staff continues to assist the MABB operational staff with updating and generating several reports and plans required by the DEP.

## **6. NOTICE OF VIOLATION**

SMA was made aware of an NOV received by the water system last week for the filter rehabilitation work. We will be working to complete and submit the information required by the DEP.

## **STORMWATER**

### **1. SOUTHWEST BOROUGH FLOODING**

- During recent flooding, many homes in the southwest portion of the Borough experienced severe flooding and washouts. This has been an ongoing issue for many years. It appears that a significant portion of this runoff is coming into the Borough from development within the Township. We were able to meet with the Township Supervisors, PENNVEST and DEP representatives to discuss funding options for potential projects on Monday, July 29<sup>th</sup>. We learned about what types of projects would be eligible and how they could potentially be funded. The Township indicated they would look into the situation and get back to us.

Mr. Chris Bullington noted that he was contacted by the tenant at 533 S Richard Street about discolored water. Discussion followed in regards to vandals opening hydrants in the Borough and the need to flush the hydrants to help clear the system.

There being no further business, a motion to adjourn was made at 5:46 p.m.

September 17, 2019

## MUNICIPAL AUTHORITY MINUTES

The Municipal Authority of the Borough of Bedford met on the above date at 4:48 p.m. with Members Larry Johnson, Larry Myers, Chris Bullington, Jim Gonsman and Jeremy Speicher present. Borough Manager Barbara Diehl, Borough Secretary Beverly Geller, Assistant Borough Secretary Misty Hizer, Public Services Director Brad Foor, Solicitor Dean Crabtree and Tim Cooper, PE, of Stiffler, McGraw & Associates, Inc., were also present. Authority Member Scott Moxley and John Clabuagh, PE, of Stiffler, McGraw & Associates, Inc. were absent.

Motion was made by Mr. Chris Bullington, seconded by Mr. Myers, to approve the Minutes of the August 20, 2019 Regular Meeting. Motion was carried by unanimous vote (5-0).

Authority Member Matt Bullington joined the meeting at 4:49 pm.

Motion was made by Mr. Chris Bullington, seconded by Mr. Gonsman, to approve the list of unpaid Municipal Authority Fund 10 Invoices from August 21, 2019 to September 17, 2019. Motion approved by unanimous vote (6-0).

Motion was made by Mr. Gonsman, seconded by Mr. Matt Bullington, to approve the September 17, 2019 Treasurer's Report. Motion was approved by unanimous vote (6-0).

Motion was made by Mr. Matt Bullington, seconded by Mr. Chris Bullington, to approve Requisition #8-2019 Sewer to transfer \$75,000.00 from Fund 10 to Fund 8 and Requisition #8-2019 Water to transfer \$50,000.00 from Fund 10 to Fund 6. Motion was carried by unanimous vote (6-0).

Motion was made by Mr. Gonsman, seconded by Mr. Chris Bullington, to approve Requisition 2 – Water Project to reimburse the Authority for invoices paid to Stiffler McGraw in the amount of \$99,176.17 and Requisition 2 – Sewer Project to reimburse the Authority for Stiffler McGraw invoices in the amount of \$350,400.07. Motion was carried by unanimous vote (6-0).

Dan Genditzki, 237 W Pitt Street, was in attendance seeking \$2,500.00 for changes that were required at his residence to deter water from entering his home and garage during heavy rain events. Mr. Genditzki noted that he has had flooding in the past, but not to the extent of damage that has occurred in 2019.

Mr. Cooper shared that when the roof on the Borough Building was replaced that downspouts were removed from the Sanitary Sewer system. Mr. Cooper noted that the Fire Department Build Project runoff is flowing onto West Street not onto Mr. Genditzki's property.

Mr. Genditzki is requesting the funds to reimburse for a ditch that was added between his property and 227 W Pitt to divert flows onto Pitt Street. Mr. Genditzki exited the meeting at 5:07 pm.

Discussion followed with Solicitor Crabtree noting that the Borough would not set a precedent with paying the costs to Mr. Genditzki to take measures to reduce flooding during heavy rain storms.

September 17, 2019

Motion was made by Mr. Chris Bullington, seconded by Mr. Gonsman, to approve payment of 78% of the costs (\$1,950.00 of the \$2,500.00) with the remainder being presented to Borough Council for payment. Motion carried by unanimous vote (6-0).

Solicitor Crabtree shared that changes are complete to the new agreement with Bedford Township Municipal Authority (BTMA) and will be emailed to Manager Diehl and BTMA Manager Melius on September 18<sup>th</sup>.

Manager Diehl shared the Water System Report through September 15<sup>th</sup>:

- The water elevation in the Smith Reservoir is below the spillway by 2.38’.
- The water elevation in the Todd Reservoir is below the spillway by 0.24’.
- The Smith Reservoir is 3.20’ lower than it was last year. The Todd Reservoir is 0.05’ lower than it was last year.
- In August, we recycled an average of 120,000 gpd from the filters and clarifiers back into the Todd Reservoir.
- The average daily minimum river flows in August were approximately 46.06% of last year’s flows.
- 2019 year to date total gallons pumped from the Raystown Branch of the Juniata River = 92.783 MG. Through the end of September 2018, we pumped 31.70 MG and through the end of September 2017, we pumped 113.34 MG.
- In August 2019, the average daily WTP production of water was .446 MGD. In August of 2018, the average daily WTP Production of water was .462 MGD.
- 2019 year to date total precipitation = 34.10”. Through the end of September 2018, we had 49.00” of precipitation and through the end of September 2017 we had 35.42” of precipitation.

Manager Diehl shared that the Bedford Joint Municipal Authority (BJMA) is looking into adding an ADA Compliant Boat Launch along the River from a lot owned by Hometown Bank. Mr. Cooper noted permits would be required to alter the river. Hometown Bank owns property where a lot could be added to park 6 vehicles.

Manager Diehl shared that the Solar Panel installation has been delayed six months. Discussion was entered in regards to the County leasing Authority land near the Milburn property for installation of their solar panels. After discussion the Authority asked Manager Diehl to approach the County offering the 4+/- acres in a 25 year lease at \$1.00 per acre per year. The property may also be used to park County vehicles.

Mr. Chris Bullington exited the meeting at 5:32 pm.

A line of credit in the amount of \$250,000.00 from a prior Sewer Capital Improvement Project in 2013 and 2014 is still open at FNB. The Line of Credit was paid off in April 2015. The Authority would like the LOC to remain open.

Manager Diehl requested an Executive Session in regards to a Litigation issue.

Public Works Director, Brad Foor, shared:

- Painting of lines and curbs is occurring and storm drains will be addressed in the near future.

- Water Treatment and Wastewater Treatment Plants are running well.
- Fire Hydrants were opened by vandals resulting in the loss of 246,900 gallons of water (\$3,210.00) between August 6<sup>th</sup> and 23<sup>rd</sup>. Labor costs are being accumulated also. Police do have suspects.
- A water break occurred on August 22<sup>nd</sup> in front of 535 E Penn Street.
- On September 16<sup>th</sup> there were two water breaks – one in front of Kennametal located at 442 Chalybeate Road and the second a service line on Concord Drive.

Mr. Cooper shared the Engineer’s Report:

**WASTEWATER & WATER**

**1. CONSENT ORDER & AGREEMENT (COA)/ CSO REMOVAL PROJECT**

- The short-term loan has been approved by PENNVEST and closed. PENNVEST has also approved our request for a “pre-closing letter” which allows us to begin the project before closing the PENNVEST loans. PENNVEST has told us that the additional funds are scheduled for approval at the October Board meeting. We requested an additional \$426,403.00 water loan and an additional \$841,934.00 on the sewer loan. We expect to close the PENNVEST loans in early November.

-We are currently finalizing the award documents with both low bidders and expect work to begin on October 14<sup>th</sup>. The start date has been pushed back a few weeks to avoid conflict with the Fall Foliage Festival. Kukurin Contracting is the low bidder on Contract 2019-2 at \$4,939,843.00 and Continental Construction is the low bidder on Contract 2019-3 at \$3,947,146.00.

- We have scheduled a pre-construction conference with the contractors and regulatory agencies for September 26<sup>th</sup> at 10:00 am in the Borough Building, firehall side.

- The \$60,000 Letter of Credit for Bedford Township was received from Hometown Bank and was been forwarded to the Township to issue the roadway permit. Permit has not been issued until we have a certificate of insurance from the contractor, which will be sent to the Township shortly.

- For reference, below is the proposed timeline we previously discussed:

<b><u>Task</u></b>	<b><u>COA Date</u></b>	<b><u>Status</u></b>
Begin Project Design	February 1, 2018	Complete
Submit Permit Applications	February 1, 2019	Complete
Complete Final Plan Revisions & Specs	May 1, 2019	Complete
Receive DEP Approval of Permits	June 1, 2019	Complete
Receive Approval of PennDOT HOP	July 1, 2019	Pending
Submit PENNVEST Funding Application	August 1, 2019	Complete
Complete Acquisition of Easements	September 15, 2019	9/15/19
Receive PENNVEST Funding Offer	October 31, 2019	Complete
Advertise for Construction Bids	January 1, 2020	Complete
Open Construction Bids	February 15, 2020	7/1/2019
Award Contract for Construction	March 15, 2020	8/20/19
PENNVEST Loan Closing	April 15, 2020	Pending
Issue Notice to Proceed for Construction	April 30, 2020	10/14/19
Complete Construction of Phase 1 Improvements	July 30, 2021	
Complete Flow Metering to Determine if Sufficient Flow Removed to Abandon CSO	February 28, 2022	
Develop and Implement Plan for Testing	April 30, 2022	

of Private Laterals in CSO Tributary Area  
Complete Private Lateral Repairs  
Abandon CSO

November 30, 2022  
December 31, 2022

## **WASTEWATER**

### **1. INDUSTRIAL DISCHARGE LIMITS AND PRETREATMENT**

- We have completed facility tours of all industrial dischargers. Baseline sample acquisition is ongoing. Follow ups with industries to perform dye testing to confirm illegal connections are occurring on a case-by-case basis.

- We have initiated the headworks analysis to determine technically based local limit requirements for the WWTP. Sampling for the analysis will continue through sept 2020.

- Based upon the EPA involvement in the pretreatment program, it is now a necessity that we complete a full tour and associated documentation of the Kennametal facility. Access to the site has been restricted pending execution of the requested non-disclosure forms. SMA has amended the original language of the NDA and returned the document to Kennametal for review/comment. A new date for the tour will be scheduled subsequent to the execution of this document.

### **2. FLOW METERING AT BTMA CONNECTION POINTS**

- Project has been advertised for bids to be opened at 11:00 am on October 1<sup>st</sup> at the Borough Building. We will have an award recommendation for the October Authority meeting.

### **3. CHEMICAL FEED OPTIONS FOR WWTP**

-SMA provided a schematic plan and cost estimate for consideration by the Authority at a previous meeting. If the Authority either has questions regarding the previously provided information or wishes to move forward with the proposed project, they will need to inform SMA.

### **4. BTMA- OLD BEDFORD VILLAGE PUMP STATION**

- Guyer Brothers are expected to be complete with construction this week and the new pump station will be putting the station in to service.

### **5. BTMA AREA 4- CAMP SUNSHINE**

- Construction and restoration on the Camp Sunshine is complete and customers are now being connected to the system. Approximately 30 of the estimated 85 customers have been connected to the system.

### **6. BTMA AREAS 5 & 6- CARA HEIGHTS/SUNRISE TERRACE & SUNNYBROOK/ HAFER**

- Stiffler McGraw is currently working on design of these sanitary sewer extensions that will add approximately 150 customers to the system. The design is expected to be complete by Spring 2020 and construction could potentially start sometime in early 2021 depending on permitting and funding.

## **WATER**

### **1. J.C. SMITH RESERVOIR DAM/ WATER SYSTEM EVALUATION**



-Stiffler McGraw completed the downstream area impacts analysis by the end of December and submitted the analysis to DEP prior to the deadline. MABB recently received notification from the DEP that the downstream impacts analysis was approved and the Department awaits a conceptual plan and schedule to perform either the breaching of the Dam or completion of necessary improvements to bring the Dam into compliance. These items will be included as a part of the overall study we are working on. We are continuing with analysis of historical data, evaluation of downstream impact at both dams, conceptual layouts and finalizing cost estimates.

We are currently working on all aspects of this study with a significant number of SMA staff members and will continue towards the generation of a draft report. We have scheduled a workshop meeting for October 22<sup>nd</sup> at 4:30 pm to discuss the contents of the draft study and gather Authority comments and suggestions before it is finalized.

## **2. CHEMICAL FEED OPTION AT WTP**

- SMA provided a schematic plan and cost estimate for consideration by the Authority at a previous meeting. If the Authority either has questions regarding the previously provided information or wishes to move forward with the proposed project, they will need to inform SMA.

-These items have also been included in the overall water system report as one of 2 schematic options to address chemical feed on the site.

## **3. BEDFORD & EAST STREETS WATER LINE REPLACEMENT/ CLARK EXTENSION**

- The work is now complete and the minor punch list items remaining have been addressed. Guyer Brothers submitted Pay Estimate No. 5 this month requesting release of the retainage for a payment of **\$28,563.21**. The final contract total came in at \$571,264.21, which is less than the original contract price of \$595,834.00.

*Motion was made by Mr. Myers, seconded by Mr. Matt Bullington, to approve Pay Estimate No. 5 to Guyer Brothers in the amount of \$28,563.21. Motion was carried by unanimous vote (5-0).*

## **4. TODD SPRING RESERVOIR DAM**

We received a letter dated April 2, 2019 from the DEP. Within that letter, DEP reminded MABB of their obligation to complete an updated EAP for this facility. They are also requiring a rehabilitation plan to be prepared which would address the spillway structure. This is actively being evaluated as part of the overall system evaluation.

## **5. DEP REGULATORY ASSISTANCE**

SMA staff continues to assist the MABB operational staff with updating and generating several reports and plans required by the DEP. Among the things we have been working on are:

- Comprehensive Monitoring Plan is complete and has been submitted for DEP approval. DEP has requested additional Tier 1 sampling locations to be added to the plan. A total 40 tier 1 locations have been requested.

- Filter Bed Evaluation Program proposal has been submitted for M.A.B.B review.
- Water System Service Map (*non GIS*) is nearly complete (need additional Lead and Copper site locations added to the Map)
- Uninterrupted System Service Plan-ongoing (50% complete) *Due by August 19, 2020.*
- Source Water Protection Plan- ongoing 15% complete.

## **6. NOTICE OF VIOLATION**

SMA was made aware of an NOV received by the water system last week for the filter rehabilitation work that was done earlier this year. The Public Water Supply Minor Permit Amendment is nearly complete and the permit application should be submitted by Oct 1, 2019.

## **STORMWATER**

### **1. SOUTHWEST BOROUGH FLOODING**

- During recent heavy rain events, many homes in the southwest portion of the Borough experienced severe flooding and washouts, and there have also been issues in areas below the Barclay Manor Development. These have been ongoing issues for many years. It appears that a significant portion of this runoff is coming into the Borough from development within the Township. We were able to meet with the Township Supervisors, PENNVEST and DEP representatives to discuss funding options for potential projects on Monday, July 29<sup>th</sup>. We learned about what types of projects would be eligible and how they could potentially be funded. The Township indicated they would look into the situation and get back to us. The only thing we have received from the Township was a request to mark out areas where we felt curb should be installed in Barclay Manor. We responded with a conceptual plan showing where we thought curb, inlets, pipes and ditches should be placed within the existing development.

The Authority entered Executive Session at 6:06 pm.

The Authority exited Executive Session at 6:17 pm.

Motion was made by Mr. Gonsman, seconded by Mr. Myers, to have Esch McCombie represent MABB in drafting a letter to Don Arnold in regards to a water line relocation. Motion was carried by unanimous vote (5-0).

There being no further business, a motion to adjourn was made at 6:18p.m.

## MUNICIPAL AUTHORITY MINUTES

The Municipal Authority of the Borough of Bedford met on the above date at 4:00 p.m. with members Matt Bullington, Larry Myers, Michael Meehan, Jeremy Speicher, Jim Gonsman, Scott Moxley, and Chris Bullington in attendance. Borough Manager Barbara Diehl, Assistant Borough Secretary Misty Hizer, and Tim Cooper, PE, of Stiffler, McGraw & Associates, Inc. were also present.

Borough Secretary Beverly Geller, Public Services Director Brad Foor and John Clabaugh, PE, of Stiffler, McGraw & Associates, Inc. were absent.

Visitors in attendance included Michael Lamb of Wessel & Company.

Motion was made by Mr. Meehan, seconded by Mr. Moxley, to approve the Minutes of the June 8, 2020 Meeting. Motion was carried by unanimous vote (7-0).

Solicitor Crabtree joined the meeting at 4:04 p.m.

Motion was made by Mr. Chris Bullington, seconded by Mr. Gonsman, to approve the list of unpaid Municipal Authority Fund 10 Invoices from June 9, 2020 to July 13, 2020. Motion approved by unanimous vote (7-0).

Motion was made by Mr. Meehan, seconded by Mr. Chris Bullington, to approve the July 13, 2020 Treasurer's Report. Motion approved by unanimous vote (7-0).

Motion was made by Mr. Speicher, seconded by Mr. Chris Bullington, to approve Requisition #5-2020 Water – Fund 10 to 6 in the amount of \$125,000.00 and Requisition #5-2020 Sewer – Fund 10 to 8 in the amount of \$150,000.00. Motion approved by unanimous vote (7-0).

Michael Lamb with Wessel & Company presented the Authority's 2019 audit.

Visitor Dave Frye joined the meeting at 4:18 p.m.

Engineer Cooper updated the Authority on the study conducted for the Mann Street stormwater. Two options were presented. The first option included installation of new pipe that would take the stormwater down Mann Street to the river for an estimated cost (excluding engineering/permit fees) of \$215,426.40. Option two included tying into existing downstream pipes, as well as replacement of some lines down to Railroad Street and into an inlet on N. Richard Street for an estimated cost (excluding engineering/permit fees) of \$384,463.20. The Authority requested additional information from Mr. Cooper and the discussion was tabled.

Mr. Frye exited the meeting at 4:44 p.m.

Bids were opened for liquid propane (LP) gas for the Water Treatment Plant and Wolfsburg pump station.

- Bid from Amerigas was received for a fixed price of \$1.5887 per gallon. Vendor cost was \$0.62 per gallon and vendor markup was \$0.35 per gallon, for a total cost of \$.97 as of July 10, 2020.

- Bedford Valley Petroleum submitted a bid with vendor cost of \$0.4743 per gallon and \$0.35 vendor markup, for a total cost of \$.9243 as of July 10, 2020.

Motion was made by Mr. Chris Bullington, seconded by Mr. Gonsman, to award the bid to Bedford Valley Petroleum for a variable cost of \$.9243 as of July 10, 2020. Motion was carried by unanimous vote (7-0).

Manager Diehl noted that she is still working on 2021 paving details.

Manager Diehl briefed the Authority on the status of the solar panel project. The project is currently on hold, as a lease agreement is currently being negotiated with the Bedford County Fair Board for additional acreage.

Manager Diehl noted the Bedford Fire Department's final walkthrough of their new building is scheduled to take place July 16, 2020. Renovations of the Borough building are underway with abatement having occurred the week of June 22, 2020 and construction began the week of June 29, 2020.

Solicitor Crabtree updated the Authority on the eminent domain filing for the Hollington property. Preliminary objections have been filed by Ms. Hollington's counsel and Solicitor Crabtree will request an expedited hearing from the court.

Michael Meehan exited the meeting at 5:19 p.m.

Manager Diehl noted a press release was issued on July 9, 2020, requesting a voluntary conservation of water due to low levels in the Raystown Branch of the Juniata River. The Smith Reservoir water level was at 35.47' (35.18' full) and the Todd Reservoir water level was at 29.25' (30.38' full).

## **ENGINEER'S UPDATE (Tim Cooper/John Clabaugh):**

### **WASTEWATER & WATER**

#### **1. CONSENT ORDER & AGREEMENT (COA)/ CSO REMOVAL PROJECT**

Mr. Cooper updated the Authority on the restoration efforts of the project. No restoration has been accepted at this point. Acceptable conditions include appropriate grading and visible vegetation, which will be determined at the final walk through. Should restoration not be acceptable, the Authority has the legal right to withhold funds until all complaints are addressed and work is satisfactorily completed or the withheld funds can be used to hire a landscaper to complete restoration. There is also a one-year warranty on restoration.

- Kukurin Contracting (Contract 2019-2) has submitted Pay Estimate No. 8 in the amount of \$318,411.04 for the Authority to approve for work completed in June. (The payment is separated as follows: Sewer = \$190,836.02, Water = \$127,575.02).

- Continental Construction (Contract 2019-3) has submitted Pay Estimate No. 8 in the amount of \$219,681.29 for the Authority to approve for work completed in June. (The payment is separated as follows: Sewer = \$165,559.64, Water = \$54,121.65).

- We have prepared requisitions for the Authority to request funds from PENNVEST to pay the Construction and Engineering costs for this month. The PENNVEST requisitions we have prepared are as follows

Sewer Requisition No. 8 \$ 380,060.93 (Engineering = \$21,526.81, Interest = \$2,138.45)

Water Requisition No. 8 \$ 220,377.13 (Engineering = \$36,503.78, Interest = \$2,176.68)

***Motion was made by Mr. Gonsman, seconded by Mr. Chris Bullington, to approve Pay Estimate No. 8 from Kukurin Contracting and Pay Estimate No. 8 from Continental Construction, along with PENNVEST Sewer Requisition No. 8 and PENNVEST Water Requisition No. 8. Motion carried by unanimous vote (6-0).***

- A Project Budget Status Report is attached. Construction is still ahead of schedule and we expect all work to be complete by mid to late August.

- Kukurin is approximately 80.4% complete with their contract, with only the overlay of Pitt Street remaining to be completed. All pipe is in the ground and tested. We issued a Substantial Completion Certificate for the piping and appurtenances only this month, but not for any restoration. Kukurin does not anticipate having any crews on site until PennDOT gives them permission to proceed with the overlay of Pitt Street.

-Continental is approximately 84.4% complete with their contract, with only a small amount of pipe remaining to be installed in the Southwest portion of the Borough.

<b><u>Task</u></b>	<b><u>COA Date</u></b>	<b><u>Status</u></b>
Open Construction Bids	February 15, 2020	7/1/2019
Award Contract for Construction	March 15, 2020	8/20/19
PENNVEST Loan Closing	April 15, 2020	11/26/19
Issue Notice to Proceed for Construction	April 30, 2020	10/14/19
Complete Construction of Phase 1 Improvements	July 30, 2021	
Complete Flow Metering to Determine if Sufficient Flow Removed to Abandon CSO	February 28, 2022	
Develop and Implement Plan for Testing of Private Laterals in CSO Tributary Area	April 30, 2022	
Complete Private Lateral Repairs	November 30, 2022	
Abandon CSO	December 31, 2022	
of Private Laterals in CSO Tributary Area		
Complete Private Lateral Repairs		November 30, 2022
Abandon CSO		December 31, 2022

I provided additional information to each of you this month by email regarding the reconstruction of Lafayette Avenue, Hammer Street, and Indiana Avenue. By an email vote, a majority selected to proceed

with Option 1 for Lafayette Avenue. We will need to formalize that selection with a vote at this meeting, as discussed last month.

***Motion was made by Mr. Chris Bullington, seconded by Mr. Gonsman, to approve paving Option 1, which includes 4.5” of milling and 4.5” of asphalt on Hammer Street for \$44,908.00, 3” of milling and 3” of asphalt on Indiana Avenue for \$9,765.00, and 8.5” of milling, 4” of stone sub-base and 4.5” of asphalt on Lafayette Avenue for \$62,728.65, plus mobilization for \$2,500.00. Grand total is \$119,901.65. Motion carried by majority vote (5-0-1), with Mr. Speicher abstaining due to a conflict of interest.***

## **2. DALESMEN DISTILLERY/BREWERY**

- Last month, we had a teleconference with the Architects and Engineers for this building regarding the water and sanitary sewer connections to serve this building. During that meeting, we were asked what the Authority regulations are for the installation of a grease trap. As you will recall, our review of the records found that several years ago the Authority discussed a revision of the Rules & Regulations to include a requirement for grease traps, but it appears this was never formally adopted. We had to answer the Dalesmen representatives honestly by saying that while the Authority is currently considering grease trap regulations, there currently are no regulations in place. We told them we want a grease trap on this facility and will work with them as they develop a design for the grease trap. Due to site constraints, the trap may need to be installed within the building, unless something is worked out to install it on the adjacent Borough property.

- I believe the Authority members were previously provided a revision that was adopted by the Bedford Township Municipal Authority and is included in their Rules and Regulations. It is recommended that the Authority consider adopting these requirements in the event this situation comes up again in the future.

***Motion was made by Mr. Gonsman, seconded by Mr. Moxley, to adopt grease trap rules and regulations. Motion carried by unanimous vote (6-0).***

*Mr. Chris Bullington exited the meeting at 5:49 p.m.*

## **3. BEDFORD AREA HIGH SCHOOL EXPANSION**

- We previously performed a review of the proposed land development plans for the expansion project. A copy of our review letter was provided to Manager Diehl. The Engineers for the school district provided a response to our original comments. There are still a few minor issues the designers will need to address regarding water, sanitary sewer, and storm water and we have noted our concerns in a response to their second submittal. The provision of a grease trap was also be an issue on this project, but they are now replacing the existing grease trap with a new grease trap that appears to meet the requirements of the proposed regulations. Our biggest concern is that they are proposing a second connection to the sanitary sewer on Watson Street and do not show a grease trap on this connection. We have asked for clarification on what facilities will be connected to this line.

## **WASTEWATER**

- Baseline sample acquisition is ongoing. Follow ups with industries are occurring on a case-by-case basis. Bedford Burn Off has not performed any new testing on their updated batch process. It is our understanding

that they are low on production and not generating enough process discharge to get the representative samples we would need. They are still not discharging process water to the sanitary sewer and because of the current low flows, it may be more economical to continue hauling waste. We have not received any updates on the status of the new system to be installed at Kennametal, but they have been providing manifests of material being hauled away to Amy at BTMA.

- We are continuing with the headworks analysis to determine technically based local limit requirements for the WWTP. Sampling for the analysis will continue through September 2020.

## **2. FLOW METERING AT BTMA CONNECTION POINTS**

- Kukurin Contracting is nearing completion of the metering sites and has all the manholes in place with only cable communication service remaining to be completed. They have submitted Pay Estimate No. 3 in the amount of **\$10,859.56** for the Authority to review and approve.

*Motion was made by Mr. Myers, seconded by Mr. Gonsman, to authorize Pay Estimate No. 3 for Kukurin Contracting in the amount of \$10,859.56. Motion carried by unanimous vote (5-0).*

- Once the electrical service has been completed, we will be scheduling a start-up and a final inspection. The Township Authority has asked to be involved in the start-up and final inspection. They would also like to have a joint meeting to discuss the responsibilities and accessibility for the meter vaults, as well as the availability of the data.

## **3. CHEMICAL FEED OPTIONS FOR WWTP**

-SMA provided a schematic plan and cost estimate for consideration by the Authority at a previous meeting. We have included costs for this in our budget recommendations for 2020 and can begin working on this design when the Authority wishes to do so. Based on John Flick's recent investigations, consideration is being given to switching from ferrous sulfate addition at the plant to a different chemical. This would not affect the design of the storage tanks and feed system, since the same system could be used for any of the chemicals being proposed. A decision on the chemical to be used will need to be made before any DEP construction permits are submitted.

## **4. BTMA AREAS 5 & 6- CARA HEIGHTS/SUNRISE TERRACE & SUNNYBROOK/ HAFER**

- Stiffler McGraw is currently working on design of these sanitary sewer extensions that will add approximately 150 customers to the system. The design is expected to be complete this Summer and permit applications will be submitted. The BTMA has chosen to put a hold on the construction of this work for the time being and will decide at a later date when to proceed with construction.

## **WATER**

### **1. J.C. SMITH RESERVOIR DAM/ WATER SYSTEM EVALUATION**

- We submitted H2O grant applications for the projects selected by the Authority. The dam projects require a 25% match while the water plant project will require a 33% match. PENNVEST loans can be used as the

match. We provided a response to DEP regarding the Authority's intention to rehabilitate the Smith Dam and provided a copy of the study to them. We have asked for their support of our H2O grant application. No official response has been received from DEP and apparently has been delayed because they have not been allowed in their offices since mid-March. They told us last week they may be permitted to get in the offices soon so they can provide a formal response. We were previously told that the H2O grants would be announced in July but recently received official word they will be delayed until at least September because of the shutdown and will most likely be later than that.

- We have negotiated quotes from several geotechnical subconsultants to work with us on the design of the Smith Dam rehabilitation and have decided to work with Rizzo, which is the consultant that performed the review during our study. We are now working to put together a complete agreement for the design of the Smith Dam improvements only. We are waiting to provide a final agreement for the Smith Dam improvements design until we have received a response from DEP that indicates they agree with the recommendations of the study. We expected to have a formal response from DEP already, based on some recent telephone conversations with them, but that may have been delayed by the shutdown and their inability to go to their offices.

## **2. CHEMICAL FEED OPTION AT WTP**

- SMA provided a schematic plan and cost estimate for consideration by the Authority at a previous meeting. This item was included in the overall water system report as one of 2 schematic options to address chemical feed on the site. This work can be included in the overall water treatment plant project when it is completed. If the overall project is not done, this should be considered separately in 2021.

## **3. EMERGENCY ACTION PLANS (EAP)**

- SMA has updated the EAP for both dams, including inundation maps for both structures. This has all been uploaded to the DEP website and we responded to comments from DEP. The information has been uploaded and we are waiting for DEP approval.

## **4. DEP REGULATORY ASSISTANCE**

- SMA staff continues to assist the MABB operational staff with updating and generating several reports and plans required by the DEP. Among the things we have been working on are:

- Filter Bed Evaluation Program has been completed.
- Uninterrupted System Service Plan-ongoing (75% complete) *Due by August 19, 2020*. A draft of the plan was provided to John Whitmore for review and comment.
- Source Water Protection Plan- ongoing 15% complete.
- Drought Contingency Plan- It was recently discovered that the plan needs to be updated. We will be working with John Whitmore on this.

## **5. TREATMENT PLANT NPDES PERMIT RENEWAL**

- SMA completed the permit renewal application and it was submitted prior to the July 4<sup>th</sup> deadline.

## **6. CLARK WATER EXTENSION**



- We received revised plans and additional submittals for this line extension, based upon our initial review. There are still some issues we should have before construction begins. Guyer Brothers will be doing the work for Clark and we expect construction to begin shortly after the outstanding issues have been addressed. Stiffler McGraw will provide a full-time inspector on site during construction. The costs will be invoiced to the Authority and Clark will reimburse the Authority for those costs.

## **STORMWATER**

### **1. SOUTHWEST BOROUGH FLOODING**

- During recent heavy rain events, many homes in the southwest portion of the Borough experienced severe flooding and washouts, and there have also been issues in areas below the Barclay Manor Development. These have been ongoing issues for many years. It appears that a significant portion of this runoff is coming into the Borough from development within the Township. We were able to meet with the Township Supervisors, PENNVEST and DEP representatives to discuss funding options for potential projects on Monday, July 29, 2019. We learned about what types of projects would be eligible and how they could potentially be funded. The Township indicated they would look into the situation and get back to us. The only thing we have received from the Township was a request to mark out areas where we felt curbing should be installed in Barclay Manor. We responded with a conceptual plan showing where we thought curb, inlets, pipes and ditches should be placed within the existing development. We still have not formally heard from the Township since that information was provided. I was told previously by Township Supervisor Chairman Greg Crist that they are “working on something.”

- I discussed this with Greg Crist at the June 10<sup>th</sup> BTMA meeting, and he told me the Township has been working on something but would not elaborate on just what that is, although he did say they are working on getting abandoned vehicles removed from a property just south of the Borough. He said it was “probably about time to have a meeting since it has been a while since we got together.” He said to have the Borough contact the Supervisors to set up a meeting so we can discuss it further.

### **2. MANN STREET STORMWATER EVALUATION**

- As directed at last month’s meeting, we have looked at the stormwater issues in the area of Mann Street and explored options to correct the issue. We have 2 options to present to the Authority for review. In either of the options we prepared, the required size of the pipe to be installed along Mr. Frye’s property would be 30” diameter.

There being no further business, a motion to adjourn was made at 5:59 p.m.

## MUNICIPAL AUTHORITY MINUTES

The Municipal Authority of the Borough of Bedford met on the above date at 4:00 p.m. with members Matt Bullington, Michael Meehan, Jeremy Speicher, Scott Moxley, and Chris Bullington in attendance. Borough Manager Barbara Diehl, Public Services Director Brad Foor, Assistant Borough Secretary Misty Hizer, and Tim Cooper, PE, of Stiffler, McGraw & Associates, Inc. were also present.

Authority Members Larry Myers and Jim Gonsman, Borough Secretary Beverly Geller, and John Clabaugh, PE, of Stiffler, McGraw & Associates, Inc. were absent.

Motion was made by Mr. Meehan, seconded by Mr. Moxley, to approve the Minutes of the July 13, 2020 Meeting. Motion was carried by unanimous vote (5-0).

Motion was made by Mr. Chris Bullington, seconded by Mr. Moxley, to approve the list of unpaid Municipal Authority Fund 10 Invoices from July 14, 2020 to August 10, 2020. Motion approved by unanimous vote (5-0).

Motion was made by Mr. Moxley, seconded by Mr. Meehan, to approve the August 10, 2020 Treasurer's Report. Motion approved by unanimous vote (5-0).

Motion was made by Mr. Speicher, seconded by Mr. Chris Bullington, to approve Requisition #6-2020 Water – Fund 10 to 6 in the amount of \$65,000.00 and Requisition #6-2020 Sewer – Fund 10 to 8 in the amount of \$80,000.00. Motion approved by unanimous vote (5-0).

Manager Diehl noted that she is still working on 2021 paving details and is awaiting a meeting with PennDOT personnel.

Manager Diehl briefed the Authority on the status of the solar panel project. The project is currently on hold, as a lease agreement is currently being negotiated with the Bedford County Fair Board for additional acreage. A conference call was held between RER Energy and the Bedford County Fair Board. RER is preparing documentation in order to move forward with the project.

Renovations of the Borough building are underway with abatement having occurred the week of June 22, 2020 and construction began the week of June 29, 2020. Mr. Cooper briefed MABB on the benefits of having an inspector as a proactive measure due to the lengthiness of the Fire Department's punch lists. The project is still on schedule for a March 2021 completion.

Manager Diehl revisited the land purchase option agreement that has since expired with Bob Foor. Solicitor Crabtree noted if the Authority would like to pursue the matter, Mrs. Foor would need to be contacted about drafting a new agreement since Mr. Foor is deceased.

Mr. Foor noted the Public Works Department has been replacing storm boxes on Green Lane, Lafayette Avenue and N. Richard Street. The Water Department is conducting a whole distribution flush and the reservoirs are full due to recent rainfall. The Wastewater Treatment Plant is finishing up the headworks analysis and recently completed boiler system repairs.

**ENGINEER’S UPDATE (Tim Cooper/John Clabaugh):**

**WASTEWATER & WATER**

**1. CONSENT ORDER & AGREEMENT (COA)/ CSO REMOVAL PROJECT**

- Kukurin Contracting (Contract 2019-2) has submitted Pay Estimate No. 9 in the amount of \$239,601.15 for the Authority to approve for work completed in July. (The payment is separated as follows: Sewer = \$134,477.33, Water = \$105,123.82).

- Continental Construction (Contract 2019-3) has submitted Pay Estimate No. 9 in the amount of \$237,791.27 for the Authority to approve for work completed in July. (The payment is separated as follows: Sewer = \$113,491.96, Water = \$124,299.31).

- We have prepared requisitions for the Authority to request funds from PENNVEST to pay the Construction and Engineering costs for this month. The PENNVEST requisitions we have prepared are as follows

Sewer Requisition No. 9 \$ 274,902.84 (Engineering = \$24,543.15, Interest = \$2,390.40)

Water Requisition No. 9 \$ 263,735.72 (Engineering = \$31,839.63, Interest = \$2,472.96)

***Motion was made by Mr. Chris Bullington, seconded by Mr. Speicher, to approve Pay Estimate No. 9 from Kukurin Contracting and Pay Estimate No. 9 from Continental Construction, along with PENNVEST Sewer Requisition No. 9 and PENNVEST Water Requisition No. 9. Motion carried by unanimous vote (5-0).***

- A Project Budget Status Report is attached. Construction is still a little ahead of schedule. The contractors have pulled crews out, so things have slowed somewhat but we expect all work to be complete by late August to mid-September.

- Kukurin is approximately 85.6% complete with their contract, with only the overlay of Pitt Street and yard restoration remaining to be completed. All pipe is in the ground and tested. Kukurin does not anticipate having any crews on site until PennDOT gives them permission to proceed with the overlay of Pitt Street and that is expected to happen in the next two weeks.

-Continental is approximately 90.7% complete with their contract, with all pipe in the ground. They have final pipe testing, restoration and paving remaining to be complete.

-The project is currently at the budget limit for inspection. A supplement to the current agreement can be drafted for additional inspection work and a change order to PENNVEST should it be needed. Contingency funds could be utilized.

<b><u>Task</u></b>	<b><u>COA Date</u></b>	<b><u>Status</u></b>
Open Construction Bids	February 15, 2020	7/1/2019
Award Contract for Construction	March 15, 2020	8/20/19
PENNVEST Loan Closing	April 15, 2020	11/26/19
Issue Notice to Proceed for Construction	April 30, 2020	10/14/19

Complete Construction of Phase 1 Improvements	July 30, 2021
Complete Flow Metering to Determine if Sufficient Flow Removed to Abandon CSO	February 28, 2022
Develop and Implement Plan for Testing of Private Laterals in CSO Tributary Area	April 30, 2022
Complete Private Lateral Repairs	November 30, 2022
Abandon CSO	December 31, 2022

## **2. DALESMEN DISTILLERY/BREWERY**

- We have a meeting set up for next Thursday with the Engineers for the project. We intend to present the requirements for grease traps that were passed at the last Authority meeting. We will work with them as they develop a design for the grease trap. Due to site constraints, the trap may need to be installed within the building, unless something is worked out to install it on the adjacent Borough property.

## **3. BEDFORD AREA HIGH SCHOOL EXPANSION**

- There are still a few minor issues the designers will need to address regarding water, sanitary sewer, and storm water and we noted our concerns in a response to their second submittal but have not received a reply. Our biggest concern is that they are proposing a second connection to the sanitary sewer on Watson Street and do not show a grease trap on this connection. We have asked for clarification on what facilities will be connected to this line.

## **WASTEWATER**

- Baseline sample acquisition for individual industries is completed.

- Bedford Burn Off has not performed any new testing on their updated batch process. It is our understanding that they are low on production and not generating enough process discharge to get the representative samples we would need. They are still not discharging process water to the sanitary sewer and because of the current flows, it may be more economical to continue hauling waste.

- Kennametal has provided recent correspondence related to the startup of their industrial pretreatment unit. At this time, a schedule detailing the installation and performance testing timeframe has not been provided. EPA has instructed the Authority to issue the permit related to industrial discharges.

- We are continuing with the headworks analysis to determine technically based local limit requirements for the WWTP. Sampling for the analysis will continue through September 2020.

- A meeting related to permitting of individual industries is planned for early fall to discuss the overall permitting program (fees, permit length, industries required to obtain permits, etc.).

## **2. FLOW METERING AT BTMA CONNECTION POINTS**

- Kukurin Contracting is nearing completion of the metering sites and has all the manholes in place and areas restored with only cable communication service remaining to be completed. They have submitted Pay Estimate No. 4 in the amount of **\$3,375.00** for the Authority to review and approve.

*Motion was made by Mr. Meehan, seconded by Mr. Chris Bullington, to authorize Pay Estimate No. 4 for Kukurin Contracting in the amount of \$3,375.00. Motion carried by unanimous vote (5-0).*

- Kevin Diehl is planning on having the communications installed for all the sites on 8/21 and 8/24. Pending no issues with those installations, we anticipate start-up / final walk-through occurring the following week. The Township Authority has asked to be involved in the start-up and final inspection. They would also like to have a joint meeting to discuss responsibilities and accessibility for the meter vaults, as well as the availability of the data.

## **3. CHEMICAL FEED OPTIONS FOR WWTP**

-SMA provided a schematic plan and cost estimate for consideration by the Authority at a previous meeting. We have included costs for this in our budget recommendations for 2020 and can begin working on this design when the Authority wishes to do so. Based on John Flick's recent investigations, consideration is being given to switching from ferrous sulfate addition at the plant to a different chemical. This would not affect the design of the storage tanks and feed system, since the same system could be used for any of the chemicals being proposed. A decision on the chemical to be used will need to be made before any DEP construction permits are submitted.

## **4. BTMA AREAS 5 & 6- CARA HEIGHTS/SUNRISE TERRACE & SUNNYBROOK/ HAFER**

- Stiffler McGraw is currently working on design of these sanitary sewer extensions that will add approximately 150 customers to the system. The design is expected to be complete this Summer and permit applications will be submitted. The BTMA has chosen to put a hold on the construction of this work for the time being and will decide at a later date when to proceed with construction.

## **WATER**

### **1. J.C. SMITH RESERVOIR DAM/ WATER SYSTEM EVALUATION**

- We submitted H2O grant applications for the projects selected by the Authority. The dam projects require a 25% match while the water plant project will require a 33% match. PENNVEST loans can be used as the match. We are being told that announcement of grant recipients is likely to occur in September 2020 but would not be surprised if that is delayed further.

- We provided a response to DEP regarding the Authority's intention to rehabilitate the Smith Dam and provided a copy of the study to them at the end of 2019. We have asked for their support of our H2O grant application. Earlier this week, we finally received a comment letter from DEP regarding the dam study. The comments were reviewed by SMA and the geotechnical subconsultant (Rizzo). Based on the comments received, DEP generally agrees with the scope of the projects defined in the study for both the Smith Dam

and the Todd Reservoir. With the Smith Dam, the geotechnical reviewer took issue with a specific component of Rizzo's calculation regarding slope stability within the earthen buttress. Rizzo has re-evaluated and agrees that minor changes in this factor will not change the design costs for the Smith Dam, but it may result in a small increase in construction costs.

- We will be incorporating the DEP responses into an Engineering Services Agreement for presentation to the Authority at the September meeting. We hope to know more at that time about the status of the H2P grant announcements.

## **2. CHEMICAL FEED OPTION AT WTP**

- SMA provided a schematic plan and cost estimate for consideration by the Authority at a previous meeting. This item was included in the overall water system report as one of 2 schematic options to address chemical feed on the site. This work can be included in the overall water treatment plant project when it is completed. If the overall project is not done, this should be considered separately in 2021.

## **3. EMERGENCY ACTION PLANS (EAP)**

- SMA has updated the EAP for both dams, including inundation maps for both structures. This has all been uploaded to the DEP website and we responded to comments from DEP. The information has been uploaded and we are waiting for DEP approval.

## **4. DEP REGULATORY ASSISTANCE**

- SMA staff continues to assist the MABB operational staff with updating and generating several reports and plans required by the DEP. Among the things we have been working on are:

- Uninterrupted System Service Plan (USSP)-plan is complete. We intend to submit on August 14<sup>th</sup>.
- Source Water Protection Plan- ongoing 15% complete.
- Drought Contingency Plan-Plan was updated and submitted to the state. The Office of Commonwealth Drought Coordinator: DEP approved the plan on July 22, 2020.

- There are a few items coming up regarding DEP/EPA regulatory compliance:

1. Corrective Action Plan for the Lakewood Booster Station because of the findings of the USSP. May result in the need for an emergency generator on site.
2. EPA is sending letters out to water systems that serve between 3,300 and 50,000 people requiring the completion of America's Water Infrastructure Act (AWIA) Risk and Resilience Assessment. The assessments need to be completed and certified by June 30, 2021. SMA is looking into the costs for preparing this and will provide a proposal that can be used for budgeting this expense for early in 2021.

## **5. CLARK WATER EXTENSION**

- All lines have been installed and tested. The only item remaining is the completion of the meter vault and connection to the Clark buildings. Stiffler McGraw provided an inspector on site during construction. These costs are invoiced to the Authority and Clark will reimburse the Authority.

## **STORMWATER**

### **1. SOUTHWEST BOROUGH FLOODING**

- During recent heavy rain events, many homes in the southwest portion of the Borough experienced severe flooding and washouts, and there have also been issues in areas below the Barclay Manor Development. These have been ongoing issues for many years. It appears that a significant portion of this runoff is coming into the Borough from development within the Township. We were able to meet with the Township Supervisors, PENNVEST and DEP representatives to discuss funding options for potential projects on Monday, July 29, 2019. We learned about what types of projects would be eligible and how they could potentially be funded. The Township indicated they would look into the situation and get back to us. The only thing we have received from the Township was a request to mark out areas where we felt curbing should be installed in Barclay Manor. We responded with a conceptual plan showing where we thought curb, inlets, pipes and ditches should be placed within the existing development. We still have not formally heard from the Township since that information was provided. I was told previously by Township Supervisor Chairman Greg Crist that they are “working on something.”

- I discussed this with Greg Crist at the June 10<sup>th</sup> BTMA meeting, and he told me the Township has been working on something but would not elaborate on just what that is, although he did say they are working on getting abandoned vehicles removed from a property just south of the Borough. He said it was “probably about time to have a meeting since it has been a while since we got together.” He said to have the Borough contact the Supervisors to set up a meeting so we can discuss it further.

### **2. MANN STREET STORMWATER EVALUATION**

- As directed at last month’s meeting, we have developed a cost estimate for Phase 1 of Option 1, to address some of the stormwater issues in the area of Mann Street. A cost estimate and a sketch were emailed to each Authority member this month for review and consideration. We can discuss the information further at the meeting to determine how the Authority would like to proceed.

Mr. Bullington noted that the Authority currently does not have a stormwater revenue stream and Solicitor Crabtree stated water/sewer revenue cannot be used for stormwater projects. Mr. Speicher stated the Authority needs to begin looking at developing a funding mechanism. Mr. Cooper offered to provide the Authority with a list of options for funding as a starting point.

There being no further business, a motion to adjourn was made at 5:01 p.m.

## MUNICIPAL AUTHORITY MINUTES

The Municipal Authority of the Borough of Bedford met on the above date at 4:00 p.m. with members Matt Bullington, Larry Myers, Michael Meehan, Scott Moxley, Jim Gonsman and Chris Bullington in attendance. Borough Manager Barbara Diehl, Public Services Director Brad Foor, Assistant Borough Secretary Misty Hizer, and Tim Cooper, PE, of Stiffler, McGraw & Associates, Inc. were also present.

Authority Member Jeremy Speicher, Borough Secretary Beverly Geller, and John Clabaugh, PE, of Stiffler, McGraw & Associates, Inc. were absent.

Motion was made by Mr. Meehan, seconded by Mr. Chris Bullington, to approve the Minutes of the August 10, 2020 Meeting. Motion was carried by unanimous vote (6-0).

Motion was made by Mr. Gonsman, seconded by Mr. Myers, to approve the list of unpaid Municipal Authority Fund 10 Invoices from August 11, 2020 to September 14, 2020. Motion approved by unanimous vote (6-0).

Motion was made by Mr. Gonsman, seconded by Mr. Moxley, to approve the September 14, 2020 Treasurer's Report. Motion approved by unanimous vote (6-0).

Mr. Bullington asked Solicitor Crabtree if the flow meters are billable at this point in the project. Mr. Cooper noted there is language in the existing agreement with the Bedford Township Municipal Authority (BTMA) referencing a meter surcharge and Solicitor Crabtree stated the surcharge is enforceable. Solicitor Crabtree also noted that BTMA is currently reviewing changes to the existing agreement. Mr. Chris Bullington asked Manager Diehl to request the proposed changes prior to the joint meeting scheduled for September 23, 2020 at 4:30 p.m.

Manager Diehl discussed stormwater issues originating from Bedford Township in the Barclay Manor development. Bedford Township is considering re-grading the road to assist with run-off. Mr. Cooper suggested curbing, storm boxes and piping be installed as a more economical avenue. Manager Diehl noted an existing agreement from 1981 between Bedford Borough and Bedford Township stating Bedford Township is responsible for a portion of Oakwood Drive.

Manager Diehl noted that she is still working on 2021 paving details and is awaiting a meeting with PennDOT personnel. Bedford Township usually requests immediate restoration of their streets, however, township engineer Kevin Hartman requested this be delayed until 2021. Should the Authority delay any restoration work, this could compromise PENNVEST grant/loan funding and could present a hardship for the authority should this funding not be received. The Authority directed Mr. Cooper to proceed with paving of the Bedford Township affected streets from the CSO project, specifically Hibbs and Laurel.

Manager Diehl revisited the topic of stormwater revenue generation and sought direction on how best to move forward for 2021. Mr. Chris Bullington expressed concern about implementing a fee without having a shovel-ready project. Mr. Cooper noted that a nearby municipality had a tiered approach, which is also possible for the Authority. Mr. Cooper also noted that a 1980s stormwater study showed a multi-million-dollar project at that time. The Authority would need to know what Bedford Township is doing in order to determine specifications of materials necessary to remediate the issues in Bedford Borough. Mr. Myers



stated he would like to identify a couple of small projects that don't overlap issues originating from Bedford Township. Manager Diehl suggested the Authority consider opting for a small study to justify implementing a fee.

Manager Diehl discussed the implementation of a shut off door tag fee. Water/sewer customers who fail to pay after 3 mailed notices receive a door tag warning about shut off. Due to the amount of man hours involved, as well as vehicle fuel, etc. for upwards of 50 tags per quarter, the Authority authorized the drafting of a resolution to establish a \$25 door tag fee.

Manager Diehl noted there is no update or progress on the solar panel project.

Mr. Chris Bullington exited the meeting at 4:58 p.m.

Renovations of the Borough building are moving along and on target for a spring 2020 completion date. The September hearing regarding the Hollington property eminent domain filing was postponed by the court and has not been rescheduled yet. Solicitor Crabtree has requested an evidentiary hearing.

Mr. Foor updated the Authority on progress made by the Public Works department in replacing three storm boxes and repairing three additional storm boxes. The budget for replacement/repair of storm boxes in 2020 has been exhausted. On the water side, both reservoirs are within one foot of being full and have been maintaining a good level. A reminder will be issued to customers regarding the voluntary conservation request. The water department continues to cross-train at the water plant and aerators were installed in the reservoirs, which has resulted in a drop of iron manganese in the water. The wastewater treatment plan is running well and staff continues to experiment with different chemicals. Crews are prepping for winter with routine maintenance.

Manager Diehl noted the Mid-State is willing to erect the new salt shed in order for the Borough to relocate existing salt inventory before demolishing the existing salt shed. A Co-Stars contract has been entered into for 2021.

## **ENGINEER'S UPDATE (Tim Cooper/John Clabaugh):**

### **WASTEWATER & WATER**

#### **1. CONSENT ORDER & AGREEMENT (COA)/ CSO REMOVAL PROJECT**

- Kukurin Contracting (Contract 2019-2) did not submit a Pay Estimate for the Authority to approve for work completed in August. They did not complete any pay items during the month.
- Continental Construction (Contract 2019-3) has submitted Pay Estimate No. 10 in the amount of \$191,845.23 for the Authority to approve for work completed in August. (The payment is separated as follows: Sewer = \$134,349.55, Water = \$57,495.68).
- We have prepared requisitions for the Authority to request funds from PENNVEST to pay the Construction and Engineering costs for this month. The PENNVEST requisitions we have prepared are as follows:

Sewer Requisition No. 10 \$ 161,807.67 (Engineering = \$24,936.04, Interest = \$2,521.48)  
 Water Requisition No. 10 \$ 58,486.82 (Engineering = \$6,357.23, Interest = \$2,589.27)

***Motion was made by Mr. Gonsman, seconded by Mr. Meehan, to approve Pay Estimate No. 10 from Continental Construction in the amount of \$191,845.23, along with PENNVEST Sewer Requisition No. 10 in the amount of 161,807.67 and PENNVEST Water Requisition No. 10 in the amount of 58,486.82. Motion carried by unanimous vote (5-0).***

- A Project Budget Status Report is attached. The amount of the checks to be written this month will differ slightly from what is shown on the PENNVEST requisitions due to a small glitch in the PENNVEST system that would not allow us to submit some information into the electronic requisition. This should be corrected by next month's requisition. We will provide the revised checks amounts to Bev for processing. The revision results in all payments being made to the Contractor but payment of \$7,955.35 to Stiffler McGraw will be deferred until next month.
- Kukurin is nearly complete with their contract, with only the overlay of Pitt Street and some yard restoration remaining to be completed. All pipe is in the ground and tested. Kukurin should be complete in the next two weeks.
- Continental is nearly complete with their contract, with only some yard restoration remaining to be completed. The Township has requested that the paving overlay on Hibbs and Laurel be delayed until next year when the remainder of the overlay work will be completed. All pipe is in the ground and tested. Continental should be complete in the next week.
- We expect both contractors to request final inspection in the next two weeks.
- Mr. Cooper noted the inspection line item is overbudget and a surplus of \$40,000 on the water side. Mr. Cooper suggested amending the engineering services agreement to move the \$40,000 surplus to the inspection line in order to cover the deficit.

***Motion was made by Mr. Myers, seconded by Mr. Meehan, to approve amending the engineering services agreement for re-allocation of a surplus of \$40,000 to the inspection line item. Motion carried by unanimous vote (5-0).***

- Mr. Cooper also noted paving concerns on Lafayette Avenue. Cracks are forming and New Enterprise Stone & Lime will be returning to seal the cracks. Issues will be discussed with the contractor during an upcoming walk-through and an extended warranty will be requested for a two-year warranty in lieu of the standard one-year warranty.

<b><u>Task</u></b>	<b><u>COA Date</u></b>	<b><u>Status</u></b>
Open Construction Bids	February 15, 2020	7/1/2019
Award Contract for Construction	March 15, 2020	8/20/19
PENNVEST Loan Closing	April 15, 2020	11/26/19
Issue Notice to Proceed for Construction	April 30, 2020	10/14/19
Complete Construction of Phase 1 Improvements	July 30, 2021	
Complete Flow Metering to Determine if Sufficient Flow Removed to Abandon CSO	February 28, 2022	
Develop and Implement Plan for Testing of Private Laterals in CSO Tributary Area	April 30, 2022	

Complete Private Lateral Repairs  
Abandon CSO

November 30, 2022  
December 31, 2022

## **2. DALESMEN DISTILLERY/BREWERY**

- We recently had a teleconference with the Engineers for the project to discuss the requirements for grease traps that were passed by the Authority. They are proposing a grease trap that does not appear to meet the requirements. We are currently reviewing their proposed system and, as we said before, we are trying to work with them as they develop a design for the grease trap since the project was started before the regulations were in place. Due to site constraints, it appears the trap will be installed within the building. We will also be working with them on what they will need to do to be in compliance with the industrial discharge regulations.

## **3. BEDFORD AREA HIGH SCHOOL EXPANSION**

- There are still a few minor issues the designers will need to address regarding water, sanitary sewer, and storm water and we noted our concerns in a response to their second submittal but have not received a reply. Our biggest concern is that they are proposing a second connection to the sanitary sewer on Watson Street and do not show a grease trap on this connection. We have asked for clarification on what facilities will be connected to this line.

## **WASTEWATER**

- Baseline sample acquisition for individual industries is completed and we have completed the sampling for the Headworks Analysis.

- We had a meeting between staff of both Authorities to discuss the next steps of the program and how we will move forward with the permitting of industries. There are currently nine industries that we believe will need to be issued permits.

- We have been trying to stay in communication with Kennametal as they get closer to starting up and testing their pretreatment facility. We want to make sure they are following the proper testing protocol and they were not initially responding to our requests for additional information prior to testing their facility, but that appears to have been addressed. Testing on their new system is expected to take place this month.

- Bedford Burn Off has not performed any new testing on their updated batch process. It is our understanding that they are low on production and not generating enough process discharge to get the representative samples we would need. They are still not discharging process water to the sanitary sewer and because of the current low flows, it may be more economical to continue hauling waste.

## **2. FLOW METERING AT BTMA CONNECTION POINTS**

- Kukurin Contracting is completing final restoration of the metering sites and all sites are up and running. We are beginning to gather data, but it appears that some of the information may not be totally accurate. We are continuing to work with the Contractor to fine tune the system and once that is done, and we feel comfortable with the numbers we are getting, we will be in a position to share the information with

everyone. Kukurin submitted Pay Estimate No. 5 in the amount of **\$38,145.82** for the Authority to review and approve. After this payment \$11,815.28 will still be retained.

***Motion was made by Mr. Myers, seconded by Mr. Moxley, to authorize Pay Estimate No. 5 for Kukurin Contracting in the amount of \$38,145.82. Motion carried by unanimous vote (5-0).***

### **3. CHEMICAL FEED OPTIONS FOR WWTP**

-SMA provided a schematic plan and cost estimate for consideration by the Authority at a previous meeting. We have included costs for this in our budget recommendations for 2020 and can begin working on this design when the Authority wishes to do so. Based on John Flick's recent investigations, consideration is being given to switching from ferrous sulfate addition at the plant to a different chemical. This would not affect the design of the storage tanks and feed system, since the same system could be used for any of the chemicals being proposed. A decision on the chemical to be used will need to be made before any DEP construction permits are submitted.

### **4. BTMA AREAS 5 & 6- CARA HEIGHTS/SUNRISE TERRACE & SUNNYBROOK/ HAFER**

- Stiffler McGraw is currently working on design of these sanitary sewer extensions that will add approximately 150 customers to the system. The design is expected to be complete this Summer and permit applications will be submitted. The BTMA has chosen to put a hold on the construction of this work for the time being and will decide at a later date when to proceed with construction.

## **WATER**

### **1. J.C. SMITH RESERVOIR DAM/ WATER SYSTEM EVALUATION**

- We submitted H2O grant applications for the projects selected by the Authority, but unfortunately none of our projects were selected for the grant funding.

- Now that the H2O program grant recipients have been released, the Authority will need to decide on the scope of the project we will move forward with. We assume that, based upon the current agreement with the State, MABB will continue with the Smith Dam improvements at a minimum. Based on the attached spreadsheet, you will see that the required work includes an estimated cost of \$5,534,000. This cost includes placeholders for contingency and soft costs. It does not include costs associated with the acquisition of property to accommodate the new fill slope on the downstream side of the embankment.

- We have also included "optional work". Prior to providing an Engineering Services Agreement (ESA), we will need to know whether MABB intends to include these items. We would strongly suggest completing the outlet pipe lining at a minimum while the dam is drained. As to the dredging activities, it will never be cheaper to dredge than when the dewatering activities are already accounted for as they would be in the case of a major upgrade. However, we understand that MABB may not have sufficient funds available to include those activities at this time.

- As to the proposed system needs discussed outside of the Smith Reservoir Rehabilitation Project, we will need to know whether MABB intends to include any of the other projects in this ESA or if you intend to postpone those projects while awaiting other funding opportunities.
- Once a scope has been confirmed, we will prepare an Agreement for your consideration.

## **2. CHEMICAL FEED OPTION AT WTP**

- SMA provided a schematic plan and cost estimate for consideration by the Authority at a previous meeting. This item was included in the overall water system report as one of 2 schematic options to address chemical feed on the site. This work can be included in the overall water treatment plant project when it is completed. If the overall project is not done, this should be considered separately in 2021.

## **3. EMERGENCY ACTION PLANS (EAP)**

- SMA has updated the EAP for both dams, including inundation maps for both structures. This has all been uploaded to the DEP website and we responded to comments from DEP. The information has been uploaded and we are waiting for DEP and/or PEMA approval.

## **4. DEP REGULATORY ASSISTANCE**

- SMA staff continues to assist the MABB operational staff with updating and generating several reports and plans required by the DEP. Among the things we have been working on are:
  - Uninterrupted System Service Plan (USSP)-plan was completed and submitted in August.
  - Source Water Protection Plan- ongoing 15% complete.
- There are a few items coming up regarding DEP/EPA regulatory compliance:
  1. Corrective Action Plan for the Lakewood Booster Station because of the findings of the USSP. May result in the need for an emergency generator on site.
  2. EPA is sending letters out to water systems that serve between 3,300 and 50,000 people requiring the completion of America's Water Infrastructure Act (AWIA) Risk and Resilience Assessment. The assessments need to be completed and certified by June 30, 2021. SMA is looking into the costs for preparing this and will provide a proposal that can be used for budgeting this expense for early in 2021.

## **5. CLARK WATER EXTENSION**

- All lines have been installed and tested. The only item remaining is the completion of the meter vault and connection to the Clark buildings. Stiffler McGraw provided an inspector on site during construction. These costs are invoiced to the Authority and Clark will reimburse the Authority. We will probably schedule a walkthrough inspection and will need as-built drawings from Clark before the line is officially turned over to the Authority.

## **STORMWATER**

### **1. SOUTHWEST BOROUGH FLOODING**

- Many homes in the southwest portion of the Borough have experienced severe flooding and washouts, and there have also been issues in areas below the Barclay Manor Development. These have been ongoing issues for many years. It appears that a significant portion of this runoff is coming into the Borough from development within the Township. We were able to meet with the Township Supervisors, PENNVEST and DEP representatives to discuss funding options for potential projects on Monday, July 29, 2019. We learned about what types of projects would be eligible and how they could potentially be funded. The Township indicated they would look into the situation and get back to us. The only thing we have received from the Township was a request to mark out areas where we felt curbing should be installed in Barclay Manor. We responded with a conceptual plan showing where we thought curb, inlets, pipes and ditches should be placed within the existing development.

- A follow-up meeting was held on September 10, 2020 and it does not appear that the Township has done a significant amount of work toward correcting the situation.

There being no further business, a motion to adjourn was made at 5:40 p.m.

## MUNICIPAL AUTHORITY MINUTES

The Municipal Authority of the Borough of Bedford met on the above date at 4:15 p.m. with members Matt Bullington, Michael Meehan, Scott Moxley, and Chris Bullington in attendance. Borough Manager Barbara Diehl, Public Services Director Brad Foor, Assistant Borough Secretary Misty Hizer, and Tim Cooper, PE, of Stiffler, McGraw & Associates, Inc. were also present.

Authority Members Larry Myers, Jeremy Speicher, Jim Gonsman Borough Secretary Beverly Geller, and John Clabaugh, PE, of Stiffler, McGraw & Associates, Inc. were absent.

Visitor Tom Goehring was also in attendance.

Motion was made by Mr. Meehan, seconded by Mr. Moxley, to approve the Minutes of the September 14, 2020 Meeting. Motion was carried by unanimous vote (4-0).

Motion was made by Mr. Chris Bullington, seconded by Mr. Moxley, to approve the list of unpaid Municipal Authority Fund 10 Invoices from September 15, 2020 to October 12, 2020. Motion approved by unanimous vote (4-0).

Due to a printing error, MABB requested the October 12, 2020 Treasurer's Report be sent and voted upon via email.

Motion was made by Mr. Moxley, seconded by Mr. Meehan to approve Requisition #7-2020 Water – Fund 10 to 6 in the amount of \$125,000.00 and Requisition #7-2020 Sewer – Fund 10 to 8 in the amount of \$125,000.00. Motion was approved by unanimous vote (4-0).

Tom Goehring of the Pennsylvania Rural Water Association presented John Flick with the 2020 Wastewater Operator of the Year award. Mr. Goehring commended Mr. Flick on his drive and motivation in turning an already compliant plant around, as well as reducing the Chesapeake Bay credits, and decreasing the electric bill for the plant.

Solicitor Crabtree updated the Authority on the Hollington hearing. A Writ of Possession was granted by the court and he is waiting to hear if there will be any additional claims/damages. Both parties have six years to ask for a Board of Review.

Manager Diehl met with George Spinelli of PennDOT on 2021 paving details. Mr. Spinelli is working on calculations for the 2021 budget. Paving of select streets will be reimbursed to the Authority by Bedford Borough. Manager Diehl would like to see street details added to the GIS system.

Discussion on stormwater revenue options were tabled until the next meeting.

Manager Diehl presented a draft fee resolution that included a new shut off door tag fee. Mr. Chris Bullington asked that the draft be sent out to the Authority members who were not present for review and that it be added to November's agenda for formal approval.

Manager Diehl noted there is no update on the solar panel project.

Mr. Cooper shared that the renovation of the Borough building is moving along and on target for a spring 2021 completion date and that construction of the salt shed can move forward.

Manager Diehl reminded the Authority that she is working on 2021 budgets. The proposed budget will be presented at the November 9<sup>th</sup> and November 30<sup>th</sup> meetings. The budget will be formally adopted at the December 14<sup>th</sup> meeting.

Manager Diehl also reminded the Authority that SMAI will be presenting their Engineering Retainer Agreement for 2021 at the November 9<sup>th</sup> meeting. Review, discussion and approval of the 2021 proposed retainer agreement will occur during the November 30<sup>th</sup> meeting.

**ENGINEER'S UPDATE (Tim Cooper/John Clabaugh):**

**WASTEWATER & WATER**

**CONSENT ORDER & AGREEMENT (COA)/ CSO REMOVAL PROJECT**

- Kukurin Contracting (Contract 2019-2) has submitted Pay Estimate No. 10 in the amount of \$330,639.90 for the Authority to approve for work completed in September. (The payment is separated as follows: Sewer=\$111,323.85, Water=\$219,316.05).
- Continental Construction (Contract 2019-3) has submitted Pay Estimate No. 11 in the amount of \$5,984.62 for the Authority to approve for work completed in September. (The payment is separated as follows: Sewer = \$3,894.62, Water = \$2,090.00).
- We have prepared requisitions for the Authority to request funds from PENNVEST to pay the Construction and Engineering costs for this month. The PENNVEST requisitions we have prepared are as follows:
  - Sewer Requisition No. 11 \$ 120,263.43 (Engineering = \$2,386.00, Interest = \$2,658.96)
  - Water Requisition No. 11 \$ 259,245.82 (Engineering = \$37,120.72, Interest = \$2,809.05)

***Motion was made by Mr. Moxley, seconded by Mr. Chris Bullington, to approve Pay Estimate No. 10 from Kukurin Contracting in the amount of \$330,639.90, Pay Estimate No. 11 from Continental Construction in the amount of \$5,984.62, along with PENNVEST Sewer Requisition No. 11 in the amount of \$120,263.43 and PENNVEST Water Requisition No. 11 in the amount of \$259,245.82. Motion carried by unanimous vote (4-0).***

- A Project Budget Status Report is attached. Again, this month, we were not able to submit the \$2,090.00 attributed to water for Continental because DEP has not approved the only change order we have had in the system. We have contacted PENNVEST and DEP to get this corrected. We will work with Bev on the amounts to be written on checks once the PENNVEST funds have been deposited.
- A Substantial Completion Inspection was held for both contracts and punch lists were generated with issues that need to be addressed by the contractors.



- Kukurin is finishing up the overlay of Pitt Street and punch list items. Continental has finished the overlay of the Township streets and has only punch list items remaining to be completed. We are issuing a Certificate of Substantial Completion for both contracts as of the dates when the paving overlays were completed. This will start the one-year warranty period. We will re-visit some of the yard areas in the Spring to see if grass has established and we will tour the entire project area in 11 months to see if there are any issues to be addressed before the warranty runs out.

Mr. Matt Bullington discussed the long period of not seeing any restoration and the inconsistency with restoration methods. There was a lack of communication between the contractors and affected residents. Going forward, Manager Diehl would like to establish a method of notification for future projects.

- For reference, below is the condensed timeline for the Consent Order Agreement (COA):

<b><u>Task</u></b>	<b><u>COA Date</u></b>	<b><u>Status</u></b>
Open Construction Bids	February 15, 2020	7/1/2019
Award Contract for Construction	March 15, 2020	8/20/2019
PENNVEST Loan Closing	April 15, 2020	11/26/2019
Issue Notice to Proceed for Construction	April 30, 2020	10/14/2019
Complete Construction of Phase 1 Improvements	July 30, 2021	10/08/2020
Complete Flow Metering to Determine if Sufficient Flow Removed to Abandon CSO	February 28, 2022	
Develop and Implement Plan for Testing of Private Laterals in CSO Tributary Area	April 30, 2022	
Complete Private Lateral Repairs	November 30, 2022	
Abandon CSO	December 31, 2022	

### **DALESMEN DISTILLERY/BREWERY**

- We recently received and reviewed plans and support documentation for the proposed grease interceptor to be installed at the facility. Our findings are outlined in a letter from L.J. Seidel, P.E. of our office dated October 6, 2020. While it appears the proposed grease handling facility should work in this application, it does not meet the requirements of the grease trap regulations recently approved by the Authority.
- Based on the information provided, waivers of the following rules and regulations would need to be granted by the Authority:
  - Waiver of the requirement for the grease interceptor to be located outside.
  - Waiver of the minimum size requirement of 750 gallons.
- If the Authority wishes to approve these waivers, we recommend that the following conditions be incorporated within the approval:
  - Require increased short-term inspection frequency of the system to confirm no grease carry-over into the sanitary sewer.
  - Require that they install an upsized tank (Sheier Model GB-250, 277-gallon capacity) to accommodate increased loadings from facility expansion.

*Motion was made by Mr. Chris Bullington, seconded by Mr. Meehan, to approve the Dalesmen Distillery/Brewery request for a waiver of the requirement for the grease interceptor to be located outside and a waiver of the minimum size requirement of 750 gallons. The waivers are contingent upon the requirement of increased short-term inspection frequency of the system to confirm no grease carry-over into the sanitary sewer and the requirement that the Dalesmen install an upsized tank (Sheier Model GB-250, 277-gallon capacity) to accommodate increased loadings from facility expansion. The Authority will need to re-evaluate if more than one restaurant is added to this location in the future. Motion carried by unanimous vote (4-0).*

## **FLOW METERING AT BTMA CONNECTION POINTS**

- Construction on the contract to meter BTMA connections to the MABB is complete, all meters are in operation and Substantial Completion was issued last week. We are continuing to monitor the meters to make sure the information we are getting is consistent and accurate. So far, we are pleased with the information we are getting from all the meters except for one and we are working on fine tuning that with level adjustments and the use of portable meters to compare flows. We are comfortable that Kukurin has completed everything required of them in the contract and have received a final payment request from them. Kukurin submitted Pay Estimate No. 6 in the amount of **\$11,815.28** for the Authority to review and approve. I have notified BTMA that you would be considering approval of the final payment at this meeting.

*Motion was made by Mr. Moxley, seconded by Mr. Chris Bullington, to approve Pay Estimate No. 6 for Kukurin Contracting in the amount of \$11,815.28. Motion carried by unanimous vote (4-0).*

## **J.C. SMITH RESERVOIR DAM/ WATER SYSTEM EVALUATION**

- We submitted H2O grant applications for the projects selected by the Authority, but unfortunately none of our projects were selected for the grant funding.
- Now that the H2O program grant recipients have been released, the Authority will need to decide on the scope of the project we will move forward with. We assume that, based upon the current agreement with the State, MABB will continue with the Smith Dam improvements at a minimum. Based on the attached spreadsheet, you will see that the required work includes an estimated cost of \$5,534,000. This cost includes placeholders for contingency and soft costs. It does not include costs associated with the acquisition of property to accommodate the new fill slope on the downstream side of the embankment.
- We have also included “optional work”. Prior to providing an Engineering Services Agreement (ESA), we will need to know whether MABB intends to include these items. We would strongly suggest completing the outlet pipe lining at a minimum while the dam is drained. As to the dredging activities, it will never be cheaper to dredge than when the dewatering activities are already accounted for as they would be in the case of a major upgrade. However, we understand that MABB may not have sufficient funds available to include those activities at this time.

- As to the proposed system needs discussed outside of the Smith Reservoir Rehabilitation Project, we will need to know whether MABB intends to include any of the other projects in this ESA or if you intend to postpone those projects while awaiting other funding opportunities.
- Once a scope has been confirmed, we will prepare an Agreement for your consideration. Since it may be a month or so until the Agreement is approved, would the Authority authorize that the preliminary surveying begin immediately to avoid potential conflicts with hunting season and potentially cold and severe weather?

***Motion was made by Mr. Chris Bullington, seconded by Mr. Meehan, to approve immediate preliminary surveying for the Smith Reservoir Rehabilitation Project. Motion carried by unanimous vote (4-0).***

Mr. Meehan exited the meeting at 5:00 p.m.

### **BEDFORD AREA HIGH SCHOOL EXPANSION**

- There are still a few minor issues the designers will need to address regarding water, sanitary sewer, and storm water and we noted our concerns in a response to their second submittal but have not received a reply. Our biggest concern is that they are proposing a second connection to the sanitary sewer on Watson Street and do not show a grease trap on this connection. We have asked for clarification on what facilities will be connected to this line. We have not received a response from the designers on these issues for several months.
- We were contacted recently by another consultant that is working on the geothermal system that is to be constructed on the Middle School property and we are working with them to avoid any conflicts with existing water lines and sanitary sewers that are on the site.

### **WASTEWATER**

#### **INDUSTRIAL DISCHARGE LIMITS AND PRETREATMENT**

- Baseline sample acquisition for individual industries is completed and we have completed the sampling for the Headworks Analysis.
- We had a meeting between staff of both Authorities to discuss the next steps of the program and how we will move forward with the permitting of industries. There are currently nine industries that we believe will need to be issued permits.
- We have been trying to stay in communication with Kennametal as they get closer to starting up and testing their pretreatment facility. We want to make sure they are following the proper testing protocol and they were not initially responding to our requests for additional information prior to testing their facility, but that appears to have been addressed. Testing on their new system was expected to take place this month, but we have not had any recent communication with them.
- Bedford Burn Off has not performed any new testing on their updated batch process. It is our understanding that they are low on production and not generating enough process discharge to get the

representative samples we would need. They are still not discharging process water to the sanitary sewer and because of the current low flows, it may be more economical to continue hauling waste.

### **CHEMICAL FEED OPTIONS FOR WWTP**

- SMA provided a schematic plan and cost estimate for consideration by the Authority at a previous meeting. We have included costs for this in our budget recommendations for 2020 and can begin working on this design when the Authority wishes to do so. Based on John Flick's recent investigations, consideration is being given to switching from ferrous sulfate addition at the plant to a different chemical. This should not affect the design of the storage tanks and feed system, since the same system could be used for any of the chemicals being proposed. However, a chemical supplier has indicated they may be willing to provide a double wall tank on-site. We will be investigating this possibility further. A decision on the chemical to be used will need to be made before any DEP construction permits are submitted.

### **BTMA AREAS 5 & 6- CARA HEIGHTS/SUNRISE TERRACE & SUNNYBROOK/ HAFER**

- Stiffler McGraw is currently working on design and permitting for these sanitary sewer extensions that will add approximately 150 customers to the system. The design is expected to be complete soon and permit applications will be submitted. The BTMA has chosen to put a hold on the construction of this work for the time being and will decide at a later date when to proceed with construction.

### **WATER**

#### **CHEMICAL FEED OPTION AT WTP**

- SMA provided a schematic plan and cost estimate for consideration by the Authority at a previous meeting. This item was included in the overall water system report as one of 2 schematic options to address chemical feed on the site. This work can be included in the overall water treatment plant project when it is completed. If the overall project is not done, this should be considered separately in 2021.

#### **EMERGENCY ACTION PLANS (EAP)**

- SMA updated the EAP for both dams, including inundation maps for both structures. This has all been uploaded to the DEP website and we responded to comments from DEP. The information has been uploaded and we are still waiting for DEP and/or PEMA approval.

#### **DEP REGULATORY ASSISTANCE**

- SMA staff continues to assist the MABB operational staff with updating and generating several reports and plans required by the DEP. Among the things we have been working on are:
  - Uninterrupted System Service Plan (USSP)-plan was completed and submitted in August. DEP has accepted the report and had no further comment.
  - Source Water Protection Plan- ongoing 15% complete. This may not move very quickly because part of the process is conducting public meetings, which currently is a problem.

- There are a few items coming up regarding DEP/EPA regulatory compliance:
  1. Corrective Action Plan for the Lakewood Booster Station because of the findings of the USSP. Will result in the need for an emergency generator on site. John Whitmore is currently working on this.
  2. EPA is sending letters out to water systems that serve between 3,300 and 50,000 people requiring the completion of America's Water Infrastructure Act (AWIA) Risk and Resilience Assessment. The assessments need to be completed and certified by June 30, 2021. SMA is preparing a proposal that can be used for budgeting this expense for early in 2021. We hope to have that proposal completed for this meeting.

### **CLARK WATER EXTENSION**

- All lines have been installed and tested and the Clark Building is connected to the system. We will probably schedule a walkthrough inspection and will need as-built drawings from Clark before the line is officially turned over to the Authority.

### **STORMWATER**

#### **SOUTHWEST BOROUGH FLOODING**

- Many homes in the southwest portion of the Borough have experienced severe flooding and washouts, and there have also been issues in areas below the Barclay Manor Development. These have been ongoing issues for many years. It appears that a significant portion of this runoff is coming into the Borough from development within the Township. We were able to meet with the Township Supervisors, PENNVEST and DEP representatives to discuss funding options for potential projects on Monday, July 29, 2019. We learned about what types of projects would be eligible and how they could potentially be funded. The Township indicated they would look into the situation and get back to us. The only thing we have received from the Township was a request to mark out areas where we felt curbing should be installed in Barclay Manor. We responded with a conceptual plan showing where we thought curb, inlets, pipes and ditches should be placed within the existing development.
- A follow-up meeting was held on September 10, 2020 and it does not appear that the Township has done a significant amount of work toward correcting the situation.
- On Friday, October 9, 2020, Mr. Cooper received an email from Bedford Township's engineer requesting consideration of a retention basin on the south end of town. The Township is seeking grants for stormwater and has requested additional information from the Authority.

There being no further business, a motion to adjourn was made at 5:12 p.m.

## MUNICIPAL AUTHORITY MINUTES

The Municipal Authority of the Borough of Bedford met on the above date with members Matthew Bullington, Larry Myers, Chris Bullington, Jeremy Speicher, Michael Meehan and Joshua Leibfreid in attendance. Borough Manager Barbara Diehl, Assistant Borough Secretary Misty Hizer, Water Plant Superintendent John Whitmore, Wastewater Treatment Plant Superintendent John Flick and Tim Cooper, P.E. of Stiffler McGraw & Associates were also present.

Absent was Authority member Jim Gonsman, Borough Secretary Beverly Geller and Solicitor Crabtree.

Chairman Bullington called the meeting to order at 4:03 p.m.

Motion was made by Mr. Chris Bullington, seconded by Mr. Meehan, to approve the Minutes of the March 8, 2021 Meeting. Motion was carried by unanimous vote (6-0).

Motion was made by Mr. Chris Bullington, seconded by Mr. Leibfreid, to approve the list of unpaid Municipal Authority Fund 10 Invoices from March 9, 2021 to April 12, 2021. Motion approved by unanimous vote (6-0).

Motion was made by Mr. Myers, seconded by Mr. Leibfreid, to approve the April 12, 2021 Treasurer's Report. Motion was approved by unanimous vote (6-0).

Motion was made by Mr. Speicher, seconded by Mr. Meehan, to approve Requisition #04-2021 Water – Fund 10 to 6 in the amount of \$50,000.00 and Requisition #04-2021 Sewer – Fund 10 to 8 in the amount of \$50,000.00. Motion was approved by unanimous vote (6-0).

The Authority received a revised draft of the agreement between the Authority and Bedford Township Municipal Authority (BTMA) from Solicitor Crabtree. Mr. Cooper informed the Authority that BTMA will be making a revision to the draft. Manager Diehl will email Solicitor Crabtree for a draft of the red-lined proposed revision. The agreement has been tabled until a later date.

Manager Diehl revisited the 2021 estimated paving costs of \$816,000.00 for the Authority's allocation and \$246,000.00 for the Borough's allocation. Mr. Cooper noted at the last meeting that there may be some additional pro-rated funding of approximately \$370,000 available to assist with the paving project, of which a portion is grant funding and the remainder would be at a 1% interest rate. MABB has applied for a loan through the Pennsylvania Infrastructure Bank, which carries an interest rate of 1.65%. Mr. Cooper added that the cost of materials is rising weekly, so it is imperative that the Authority get the project out to bid.

Manager Diehl briefed the Authority on the progress of the Borough building renovation project, with a new projected completion date of June 2021 and a move in date of July 2021. An invitation to join Borough Council on Tuesday, May 18<sup>th</sup>, 2021 was extended to the Authority to tour the Borough building.

Manager Diehl sought the Authority's formal approval to dispose of the additional 400,000 gallons of sludge, at a cost of approximately \$36,000, due to the failure of the digester 3 mixer. An email with details and tentative approval was sent/received on April 6, 2021.

*Motion was made by Mr. Meehan seconded by Mr. Myers, to approve the disposal of approximately 400,000 gallons of sludge, at an estimated cost of approximately \$36,000, due to a mixer failure in digester 3. Motion approved by unanimous vote (6-0).*

Manager Diehl also updated the Authority on the solar panel project. There is currently a lot of concern about the project, to include timbering, wetlands, and multiple delays. Manager Diehl inquired if the Authority would entertain Bedford County's request for ten (10) acres for their project instead of the four (4) that was initially requested. Mr. Chris Bullington noted the Authority is not interested until RER resolves existing issues with the current project.

Water Plant Superintendent John Whitmore briefed the Authority on the receipt of an email from DEP regarding sampling, the quarterly filter evaluations, and upcoming flushing in May.

Wastewater Treatment Plant (WWTP) Superintendent John Flick updated the Authority on the operation of the plant and a recent DEP inspection. Mr. Flick added that approximately 50% of the sludge has been hauled off-site from the digester mixer that failed.

**ENGINEER'S UPDATE (Tim Cooper/John Clabaugh):**

**WASTEWATER & WATER**

**CONSENT ORDER & AGREEMENT (COA)/ CSO REMOVAL PROJECT**

- Kukurin Contracting (Contract 2019-2) did not submit a payment request this month. They have been paid in full.
- Continental Construction (Contract 2019-3) did not submit a payment request this month. There only remains \$10,000 in retainage to be paid.
- We did not prepare any requisitions for the Authority to request funds from PENNVEST this month. There was only one invoice for Engineering and that will be submitted in a later requisition.
- We revisited some of the yard areas in Continental's contract last week and they had a crew come in to address the issues we found. We hope to do the same thing on Kukurin's contract in the next couple of weeks. We will tour the entire project area in September after 11 months of the warranty to see if there are any issues to be addressed before the warranty runs out.
- For reference, below is the condensed timeline for the Consent Order Agreement (COA):

<b><u>Task</u></b>	<b><u>COA Date</u></b>	<b><u>Status</u></b>
Open Construction Bids	February 15, 2020	7/1/2019
Award Contract for Construction	March 15, 2020	8/20/2019
PENNVEST Loan Closing	April 15, 2020	11/26/2019
Issue Notice to Proceed for Construction	April 30, 2020	10/14/2019
Complete Construction of Phase 1 Improvements	July 30, 2021	10/08/2020
Complete Flow Metering to Determine if	February 28, 2022	

Sufficient Flow Removed to Abandon CSO  
Develop and Implement Plan for Testing  
of Private Laterals in CSO Tributary Area  
Complete Private Lateral Repairs  
Abandon CSO

**April 30, 2021**

November 30, 2022

December 31, 2022

- **Note that the date for implementing a plan for sewer lateral testing has been moved up as was suggested at last month's meeting.**
- PENNVEST has indicated to us that we can submit a requisition for pavement wearing course that was not placed during the project to be used toward the 2021 Paving Project. We believe this would amount to approximately \$370,000 that can be put toward the paving project. Does the Authority wish to proceed with this?

*Motion was made by Mr. Leibfreid, seconded by Mr. Chris Bullington, to approve utilizing funds from the PENNVEST loan for the 2021 paving project. Motion approved by unanimous vote (6-0).*

#### **BEDFORD AREA HIGH SCHOOL EXPANSION**

- There were a few minor issues the designers needed to address regarding water, sanitary sewer, and storm water and they recently submitted information that has satisfactorily addressed those concerns. We are recommending that the Authority formally approve the plans as they were most recently presented. Bedford Borough Council approved the proposed plans at their April 5, 2021 meeting.

*Motion was made by Mr. Leibfreid, seconded by Mr. Chris Bullington, to approve the Bedford High School renovation plans, as presented. Motion approved by unanimous vote (6-0).*

#### **CARBERRY SEWER/BARCLAY WATER REPLACEMENT**

- The bids were opened on March 24<sup>th</sup>, 2021 at 11:00 am. The lowest bidder was Gordon L. Delozier, Inc., in the amount of \$266,991.96. This amount is more than double what was budgeted for the work. In speaking with bidders, we found that the bids were high because of the rapidly increasing costs of materials. It is our recommendation that the Authority reject all bids and delay re-bidding the Barclay portion of the project until material costs have dropped to a more manageable level. We were hoping to get the Carberry portion of the project completed before the 2021 paving project. Manager Diehl added that the Carberry portion of the project can potentially be done in-house.

*Motion was made by Mr. Chris Bullington, seconded by Mr. Meehan, to reject all bids related to the Barclay Water/Carberry Sewer Replacement Project. Motion approved by unanimous vote (6-0).*



## **WASTEWATER**

### **INDUSTRIAL DISCHARGE LIMITS AND PRETREATMENT**

#### **Headworks Analysis:**

1. Final version of Headworks Analysis Report submitted to EPA on March 1, 2021.
  - a. Analysis focused on max loadings based on water quality, inhibition, and sludge loadings.
  - b. The updates to the rules and regulations, the enforcement response plan and a draft permit were all included in the submission package.
  - c. No comments have been received yet.
2. Report listed 9 total “Industrial Users.”
3. Report also offered recommendations for revised local limits that industrial clients would be subjected to in perpetuity.

#### **Industrial Discharge Permits:**

1. Need to come to a general consensus regarding a fee schedule.
  - a. Initial application fee.
  - b. Annual permit fee.
  - c. Usage fee.
  - d. Reimbursement – Industrial Users required to reimburse Authority for all testing.
2. Would like to focus on PENNDOT, MEC and Bedford Burn-Off with the next wave of permits.

#### **Rate Structure:**

There is an ongoing conversation between SMA and MABB’s administrative staff as draft sewer rates are being proposed which would vary by use classification. In order to facilitate completion of these rates, MABB will need to reach a consensus regarding the allowable “payback period” to recoup the costs of instituting the industrial pre-treatment program. Is 7 years an acceptable timeline to MABB? If not, direction will be needed as to an acceptable timeline?

Mr. Bullington requested a special meeting to further discuss the project, to include L.J. Seidel from Stiffler McGraw and Solicitor Crabtree.

#### **Kennametal**

1. Several rounds of correspondence have been received from Kennametal related to the permitting requirements associated with their industrial pre-treatment unit.
  - a. Currently disagree with requirement for separate outfalls/sampling requirements.
  - b. Currently evaluating corrosivity of the permeate leaving the RO unit.
  - c. Kennametal still must demonstrate compliance with LSI parameters. All other analytes from the permeate were within acceptable ranges.

## **FLOW METERING AT BTMA CONNECTION POINTS**

- At this point, the meter data appears to be representative of the actual flow rates and is reliable. As additional data is collected, quarterly reports regarding flows originating in the Township will be completed. We hope to have the quarterly report available for the next Authority meeting.

## **CHEMICAL FEED OPTIONS FOR WWTP**

- The tank location has been selected and coordinated with the operational staff. Pipe routing is currently being considered and will be coordinated with the operational staff at an upcoming site visit.

## **SEWER RELINING BEHIND MOUNTAIN VALLEY APARTMENTS**

- There is a section of 18" sanitary sewer main along the river that has never been replaced or rehabilitated because it is under a retaining wall. Funds were budgeted to complete this work during 2021. We can proceed with specifying and bidding the project whenever the Authority authorizes the work to be done.

## **BTMA AREAS 5 & 6- CARA HEIGHTS/SUNRISE TERRACE & SUNNYBROOK/ HAFER**

- Stiffler McGraw is currently working on design and permitting for these sanitary sewer extensions that will add approximately 150 customers to the system. The design is expected to be complete soon and permit applications will be submitted. The BTMA has chosen to put a hold on the construction of this work for the time being and will decide at a later date when to proceed with construction.

## **WATER**

### **J.C. SMITH RESERVOIR DAM/WATER SYSTEM EVALUATION**

- The Engineering Services Agreement was approved at the last Authority meeting. Survey work has begun, and the bathymetric survey is currently being scheduled. SMA will continue to coordinate with Rizzo to move the project forward through the lengthy design/permitting process.

### **CHEMICAL FEED OPTION AT WTP**

- SMA provided schematic plan and cost estimates for consideration by the Authority at a previous meeting. This item was included in the overall water system report as one of two schematic options to address chemical feed on the site.
- It has been conveyed to us by MABB staff that there is a desire to budget for completion of a portion of design activities associated with this project in 2021. As such, we will hold off on authoring an ESA at this time.
- SMA will be coordinating with operational staff regarding the chemical dosage requirements.

## **EMERGENCY ACTION PLANS (EAP)**

- SMA updated the EAP for both dams, including inundation maps for both structures (April 2020). This has all been uploaded to the DEP website and we responded to comments from DEP (June 2020). The revised information has been uploaded and we are still waiting for DEP and/or PEMA approval. DEP responded January 2021. Inundation maps need a PE seal with signature. Maps with PE seal were resubmitted. Awaiting approval.

Inundation maps were resubmitted to PEMA January 7, 2021.

## **DEP REGULATORY ASSISTANCE**

- SMA staff continues to assist the MABB operational staff with updating and generating several reports and plans required by the DEP. Among the things we have been working on are:
  - Source Water Protection Plan- ongoing 15% complete. Kurt Wagner, PRWA, has offered and MABB has agreed to formally begin the SWPP process.
- There are a few items coming up regarding DEP/EPA regulatory compliance:
  1. Corrective Action Plan for the Lakewood Booster Station because of the findings of the USSP. Will result in the need for an emergency generator on site. John Whitmore is currently working on this and it has been included in the 2021 budget.
  2. EPA is sending letters out to water systems that serve between 3,300 and 50,000 people requiring the completion of America's Water Infrastructure Act (AWIA) Risk and Resilience Assessment. The assessments need to be completed and certified by June 30, 2021. We have budgeted for completion of this Assessment in 2021. A site visit occurred on February 19, 2021.

## **CLARK WATER EXTENSION**

- All lines have been installed and tested and the Clark Building is connected to the system. We performed a walk-through inspection of the work and provided a list of items that needed to be addressed before the Authority assumes ownership of the system. These items have been addressed except we still need acceptable as-built drawings from Clark before the line is officially turned over to the Authority.

## **STORMWATER**

### **SOUTHWEST BOROUGH FLOODING**

- Many homes in the southwest portion of the Borough have experienced severe flooding and washouts, and there have also been issues in areas below the Barclay Manor Development. These have been ongoing issues for many years. It appears that a significant portion of this runoff is coming into the Borough from development within the Township. We were able to meet with the Township Supervisors, PENNVEST and DEP representatives to discuss funding options for potential projects on Monday, July 29, 2019. We learned about what types of projects would be eligible and how they could potentially be funded. The Township indicated they would look into the situation and get back to us. The only thing we have received from the Township was a request to mark out areas where we felt curbing should be

installed in Barclay Manor. We responded with a conceptual plan showing where we thought curb, inlets, pipes, and ditches should be placed within the existing development.

- A follow-up meeting was held on September 10, 2020 and it does not appear that the Township has done a significant amount of work toward correcting the situation. However, we learned this month that the Township is working to obtain a grant to construct some stormwater detention facilities at the southern end of the Borough. We have been assisting their effort by providing any information we have on homes that have been flooded in the southwestern Borough.

#### **NORTH STREET/ORCHARD WAY STORMWATER**

- We received a letter from the Township Engineer describing how they examined this area and they do not believe that the Township is significantly contributing to the storm water issues. I looked at this area during a recent storm with Bo and Brad. Based on what we saw, I do not necessarily agree with the Township Engineer's assessment. I would like to look at the area again during a heavier rainfall event before I make any final conclusions.

There being no further business, a motion to adjourn was made at 5:04 p.m.

MUNICIPAL AUTHORITY MINUTES

The Municipal Authority of the Borough of Bedford met on the above date with members Matthew Bullington, Larry Myers, Chris Bullington, Jeremy Speicher and Michael Meehan in attendance. Borough Manager Barbara Diehl, Assistant Borough Secretary Misty Hizer, Water Plant Superintendent John Whitmore, Wastewater Treatment Plant Superintendent John Flick, Solicitor Dean Crabtree and Tim Cooper, P.E. of Stiffler McGraw & Associates were also present.

Absent was Authority member Joshua Leibfreid and Borough Secretary Beverly Geller.

Chairman Bullington called the meeting to order at 4:04 p.m.

Motion was made by Mr. Meehan, seconded by Mr. Chris Bullington, to approve the Minutes of the July 12, 2021 Meeting. Motion was carried by unanimous vote (6-0).

Motion was made by Mr. Speicher, seconded by Mr. Chris Bullington, to approve the list of unpaid Municipal Authority Fund 10 Invoices from July 13, 2021 to August 9, 2021. Motion approved by unanimous vote (6-0).

Motion was made by Mr. Chris Bullington, seconded by Mr. Gonsman, to approve the August 9, 2021 Treasurer's Report. Motion was approved by unanimous vote (6-0).

Motion was made by Mr. Myers, seconded by Mr. Meehan, to approve Requisition #08-2021 Water – Fund 10 to 6 in the amount of \$75,000.00 and Requisition #08-2021 Sewer – Fund 10 to 8 in the amount of \$75,000.00. Motion was approved by unanimous vote (6-0).

Solicitor Crabtree noted Bedford Township Municipal Authority has requested one change to the agreement and will forward it onto the Authority for review.

Motion made by Mr. Meehan, seconded by Mr. Gonsman, to formally approve the 2021 Paving Project and to accept the bid from New Enterprise in the amount of \$1,073,867.58. A "Notice to Proceed" was approved via email on August 3, 2021. Motion carried by a vote of (4-0-2), with Mr. Myers and Mr. Speicher abstaining due to a conflict of interest.

Manager Diehl updated the Authority on the progress of the Solar Panel Installation Project, with a projected completion date of June 2022. RER is awaiting a road agreement from Bedford Township and further correspondence with Bedford Township's solicitor. Bedford County has requested to lease land at the former Milburn Reservoir location for a solar panel project of their own through RER; however, Mr. Chris Bullington noted that the Borough/Authority's project needs to move forward first. Bedford County originally asked for 4 acres and has recently increased that request to 10 acres. Manager Diehl added that RER is currently working on another project that may be able to provide electric bill benefits to the Borough/Authority.

Manager Diehl briefed the Authority on the progress of the Borough building renovation project and is hopeful the project will be completed by the end of August or beginning of September. An Open House is

being planned, in conjunction with Bedford Fire Department No. 1 and the Bedford Area Ambulance Service, for the 28<sup>th</sup> of October, 2021.

Water Plant Superintendent John Whitmore briefed the Authority on the progress the Public Works Department has been making with the replacement of 12 storm boxes that need to be completed prior to the 2021 paving project. Mr. Whitmore also noted that a voluntary water conservation notice needs to be issued due to the low lack of sustained precipitation. Additionally, the water department’s contracted water tech has stepped down and a replacement will need to be found, a quote will need to be obtained to flush the backwash pond and the generator at the Lakewood pump station will be installed soon.

Wastewater Treatment Plant (WWTP) Superintendent John Flick updated the Authority on the operation of the plant, which is running well. Mr. Flick suggested that smoke testing be conducted since it is currently dry and requested the installation of the chemical tank move forward.

**ENGINEER’S UPDATE (Tim Cooper/John Clabaugh):**

**WASTEWATER & WATER**

**CONSENT ORDER & AGREEMENT (COA)/ CSO REMOVAL PROJECT**

- Kukurin Contracting (Contract 2019-2) did not submit a payment request this month. They have been paid in full.
- Continental Construction (Contract 2019-3) did not submit a payment request this month. There only remains \$10,000 in retainage to be paid. There is a minor issue on a Township street that needs addressed. They are waiting for an answer from the Township on what needs done.
- No requisition was prepared for PENNVEST this month.
- We will tour the entire project area in September, after 11 months of the warranty, to see if there are any issues to be addressed before the warranty runs out.
- For reference, below is the condensed timeline for the Consent Order Agreement (COA):

<b><u>Task</u></b>	<b><u>COA Date</u></b>	<b><u>Status</u></b>
Open Construction Bids	February 15, 2020	7/1/2019
Award Contract for Construction	March 15, 2020	8/20/2019
PENNVEST Loan Closing	April 15, 2020	11/26/2019
Issue Notice to Proceed for Construction	April 30, 2020	10/14/2019
Complete Construction of Phase 1 Improvements	July 30, 2021	10/08/2020
Complete Flow Metering to Determine if Sufficient Flow Removed to Abandon CSO	February 28, 2022	
Develop and Implement Plan for Testing of Private Laterals in CSO Tributary Area	<b>April 30, 2021</b>	
Complete Private Lateral Repairs	November 30, 2022	
Abandon CSO	December 31, 2022	

- **Note that the date for implementing a plan for sewer lateral testing has been moved up as was suggested at last month's meeting.**
- PENNVEST approved using remaining funds for pavement wearing course, that was not placed during the project, toward the 2021 Paving Project. Approximately \$370,000 can be put toward the paving project. We cannot submit a requisition for this money until the expense has been incurred.
- We are continuing to work with John Flick to gather metering data throughout the Borough. We will use this information to determine areas where additional investigation is needed.

## **WASTEWATER**

### **INDUSTRIAL DISCHARGE LIMITS AND PRETREATMENT**

#### **Headworks Analysis:**

1. Final version of Headworks Analysis Report submitted to EPA on March 1, 2021 and PA DEP on April 29, 2021.
  - a. Analysis focused on max loadings based on water quality, inhibition, and sludge loadings.
  - b. The updates to the rules and regulations, the enforcement response plan and a draft permit were all included in the submission package.
  - c. No comments have been received yet.
2. Report listed 9 total "Industrial Users."
3. Report also offered recommendations for revised local limits that industrial clients would be subjected to in perpetuity.

#### **Industrial Discharge Permits:**

A draft permit has been provided to Kennametal related to the long-term operational requirements associated with their industrial waste pre-treatment unit. Kennametal has requested clarifications and revisions to the permit and SMA has prepared a response letter. Kennametal has questioned the difference between the discharge limits in their draft permit and the MABB Rules & Regulations. The Industrial Pre-Treatment Committee is recommending that the MABB approve incorporating the new limits, determined by the Headworks Analysis, into the Rules & Regulations now to avoid any confusion. A copy of the limits, and a draft response, are attached.

***Motion was made by Mr. Chris Bullington, seconded by Mr. Gonsman, to approve the updated Summary or Local Limits and Recommendations for industrial users, as well as to proceed with sending a response letter to Kennametal, as presented. Motion was approved by unanimous vote (6-0).***

#### **Rate Structure:**

- A preliminary rate structure has been provided to the committee for review and comment. The industrial customers that will require permitting and monitoring have been classified into three tiers based on flow quantity and quality. The fees are comprised of annual permit fees to cover administrative costs and

usage fees to cover additional treatment related expenses. Initial program costs may not be entirely recovered through permit fees; however, ongoing costs should be self-supported by the program.

- The Industrial Pre-Treatment Committee is working on finalizing a list of businesses that will be subject to light industrial and restaurant classifications. Each classification would have a specific surcharge to fund the ongoing expenses associated with permitting, inspection and monitoring activities that will be required in the future.

### Kennametal

They are currently evaluating the possibility of recycling the discharge from their treatment facility into the plant for re-use. They would eliminate the discharge to the sanitary sewer. We do not object to this as long as the current drain is disconnected from the sanitary sewer.

### **FLOW METERING AT BTMA CONNECTION POINTS**

- At this point, the meter data appears to be representative of the actual flow rates and is reliable. As additional data is collected, quarterly reports regarding flows originating in the Township will be completed. A copy of the second quarter flow comparison for the Township is attached.

### **CHEMICAL FEED OPTIONS FOR WWTP**

- SMA has been working towards the submission of a Part 2 Permit Application, as required by the DEP, for the modifications to the chemical feed system at the wastewater treatment facility. We have worked through the tank location, chemical selection and pipe routing with the operational staff.
- As indicated last month, we have coordinated with Fluidyne to provide a cost estimate indicating the costs of the SBR control panel changes necessary to allow for the more advanced chemical feed system. Fluidyne also directly coordinated with the WWTP operator to ensure that all requested chemical feed capabilities are included in this proposed scope. We are currently awaiting an updated chemical feed pump/system proposal (showing the four independent chemical pump skids) from the chemical feed pump manufacturer. Once this cost is defined, we will be able to accurately represent and compare the costs of both project options. Both options will meet the original project goal of providing bulk chemical storage. Option 1 maintains the existing chemical feed location and dosing methodology. Option 2 will provide alternate chemical feed locations and a more advanced dosage methodology.
- Once we have presented MABB with the costs of both options and MABB has determined which direction to take the project, we will be able to finalize the design drawing/specs. and submit the WQM Part 2 Permit Application.

### **SEWER RELINING BEHIND MOUNTAIN VALLEY APARTMENTS**

- There is a section of 18" sanitary sewer main along the river that has never been replaced or rehabilitated because it is under a retaining wall. Funds were budgeted to complete this work during 2021. A copy of the proposal received from Performance Pipelining, Inc. was provided to the Authority members following the June meeting. They are proposing to do this work through the CoSTARS system for



\$30,515.00, which is within the budgeted amount. The Authority can also choose to put the work out for competitive bidding if desired.

- At the July meeting, we were directed to request additional information from PPI regarding references, bonding capability and CoSTARS eligibility. This information was received on July 18<sup>th</sup> and forwarded to Manager Diehl. We will await direction from the Authority.

*Motion was made by Mr. Myers, seconded by Mr. Chris Bullington, to approve the PPI bid in the amount of \$30,515.00. Motion was approved by unanimous vote (6-0).*

#### **BTMA AREAS 5 & 6- CARA HEIGHTS/SUNRISE TERRACE & SUNNYBROOK/ HAFER**

- Stiffler McGraw is currently completing design and permitting for these sanitary sewer extensions that will add approximately 150 customers to the system. The permit process has been delayed since a Phase 1 Archaeological Survey was required to be completed by the State. The BTMA has chosen to put a hold on the construction of this work for the time being and will decide at a later date when to proceed with construction, in hopes that grant funding will become available.

#### **WATER**

##### **J.C. SMITH RESERVOIR DAM/WATER SYSTEM EVALUATION**

- Survey work has been completed. Rizzo International has completed verification of the PMF flows. Based on the newly released model data, the capacity of the spillway can be somewhat reduced for the conceptual design.
- Rizzo's team is working through the design of the spillway and impoundment improvements. SMA will incorporate the water withdrawal piping, roadway re-alignment and bridge replacement upon completion of the Rizzo design effort.

##### **CHEMICAL FEED OPTION AT WTP**

- SMA provided a schematic plan and cost estimate for consideration by the Authority at a previous meeting. This item was included in the overall water system report as one of 2 schematic options to address chemical feed on the site.
- MABB staff budgeted for design activities associated with this project to not start until the second half of 2021. We will prepare an Engineering Services Agreement for this project when the Authority decides to proceed with this work.
- SMA will be working with operational staff to determine necessary chemical feed adjustments to address issues with pH and alkalinity.

## **DEP REGULATORY ASSISTANCE**

- SMA staff continues to assist the MABB operational staff with updating and generating several reports and plans required by the DEP. Among the things we have been working on are:
  - Source Water Protection Plan- ongoing. 15% complete. Kurt Wagner, PRWA recently had his first site visit to being the SWPP process.
- There are a few items coming up regarding DEP/EPA regulatory compliance:
  1. Corrective Action Plan for the Lakewood Booster Station because of the findings of the USSP. Resulted in the need for an emergency generator on site. John Whitmore is currently working on this and it was included in the 2021 budget.

## **CAST IRON PIPE REPLACEMENT (CIP)**

- DEP issued a Categorical Exclusion from permitting for the project since the lines are all in previously disturbed areas.
- The PENNVEST application for funding was submitted electronically on August 4<sup>th</sup>. The funding announcement will be made at the PENNVEST Board Meeting on October 20<sup>th</sup>.

## **HIGH HAZARD POTENTIAL DAMS**

- MABB received correspondence from DEP's Department of Dam Safety. This correspondence included specifics regarding a potential grant opportunity. The applicant pool is limited to owners of dams which are both high hazard by classification and are currently listed by the DEP as unsafe. In this case, both the Smith and Todd reservoirs are listed as eligible projects.
- Based upon direction from MABB, sub-recipient funding requested were submitted for both reservoirs to the DEP prior to the July 30<sup>th</sup> deadline. We currently await review of that submission.

## **STORMWATER**

### **SOUTHWEST BOROUGH FLOODING**

- Many homes in the southwest portion of the Borough have experienced severe flooding and washouts, and there have also been issues in areas below the Barclay Manor Development. These have been ongoing issues for many years. It appears that a significant portion of this runoff is coming into the Borough from development within the Township. We were able to meet with the Township Supervisors, PENNVEST and DEP representatives to discuss funding options for potential projects on Monday, July 29, 2019. We learned about what types of projects would be eligible and how they could potentially be funded. The Township indicated they would look into the situation and get back to us. The only thing we have received from the Township was a request to mark out areas where we felt curbing should be installed in Barclay Manor. We responded with a conceptual plan showing where we thought curb, inlets, pipes, and ditches should be placed within the existing development.

- A follow-up meeting was held on September 10, 2020 and it does not appear that the Township has done a significant amount of work toward correcting the situation. However, we learned this month that the Township is working to obtain a grant to construct some stormwater detention facilities at the southern end of the Borough. We have been assisting their effort by providing any information we have on homes that have been flooded in the southwestern Borough.

**NORTH STREET/ORCHARD WAY STORMWATER**

- We received a letter from the Township Engineer describing how they examined this area and they do not believe that the Township is significantly contributing to the storm water issues. I looked at this area during a recent storm with Bo and Brad. Based on what we saw, I do not necessarily agree with the Township Engineer's assessment. I would like to look at the area again during a heavier rainfall event.

There being no further business, a motion to adjourn was made at 4:53 p.m.

MUNICIPAL AUTHORITY MINUTES

The Municipal Authority of the Borough of Bedford met on the above date with members Matthew Bullington, Larry Myers, Chris Bullington, Jeremy Speicher and Michael Meehan in attendance. Borough Manager Barbara Diehl, Assistant Borough Secretary Misty Hizer, Water Plant Superintendent John Whitmore, Wastewater Treatment Plant Superintendent John Flick, Solicitor Dean Crabtree and Tim Cooper, P.E. of Stiffler McGraw & Associates were also present.

Absent was Authority member Joshua Leibfreid, and Borough Secretary Beverly Geller.

Chairman Bullington called the meeting to order at 4:02 p.m.

Motion was made by Mr. Meehan, seconded by Mr. Myers, to approve the Minutes of the August 9, 2021 Meeting. Motion carried by unanimous vote (5-0).

Motion was made by Mr. Meehan, seconded by Mr. Speicher, to approve the list of unpaid Municipal Authority Fund 10 Invoices from August 10, 2021 to September 13, 2021. Motion carried by unanimous vote (5-0).

Motion was made by Mr. Chris Bullington, seconded by Mr. Myers, to approve the September 13, 2021 Treasurer's Report. Motion carried by unanimous vote (5-0).

Motion was made by Mr. Myers, seconded by Mr. Meehan, to approve Requisition #09-2021 Water – Fund 10 to 6 in the amount of \$35,000.00 and Requisition #09-2021 Sewer – Fund 10 to 8 in the amount of \$90,000.00. Motion carried by unanimous vote (5-0).

Garrett Washington and Chad Wilson, of Performance Pipelining, Inc., introduced themselves as the contractors for the Mountain Valley sewer relining project.

Authority member Jim Gonsman joined the meeting at 4:05 p.m.

Don Johnson, of 610 Lafayette Avenue, thanked the Borough employees for their presence during the large rainfall event from Tropical Storm Ida on September 1, 2021. Mr. Johnson asked the Authority if there was any assistance that could be provided to keep water from coming over the curb and into the yards, as slow rains are manageable, while the quick, hard rains are the issue. Mr. Cooper noted that a 2005 stormwater study was conducted by Stiffler McGraw and that rainstorms today are not the same as they were in 2005. Additionally, the Borough looked at stormwater issues in the 1980s and at that time, it would have cost the Borough upwards of \$2 million to remediate. Mr. Cooper also noted that the Authority has no stormwater revenue source and while studies can be conducted, the Authority ultimately needs a revenue stream to address the issues. Manager Diehl reiterated the need to generate revenue in order to move forward, as did Mr. Chris Bullington. Mr. Matt Bullington explained the placement of the jersey barriers on King Street during Tropical Storm Ida were at his direction and was done in an effort to save neighboring properties. Mr. Johnson asked if the storm drains could be cleaned and Mr. Cooper stated cleaning the boxes could not only help, but also identify obstructions. Mr. Cooper added that Bedford Township will need to remediate the stormwater runoff from their neighborhoods in order to assist the Authority's efforts in remediating their own. Homes built in the areas of Oakcrest Avenue and Laurel Drive were built without any on lot

systems. Mr. Johnson went on to inquire about raising the height of the curb on King Street. Manager Diehl will have the Stiffler McGraw camera the lines and coordinate clean out of the lines, as well as establish a routine maintenance schedule and discuss with Borough Council the possibility of altering the curb on King Street.

Manager Diehl briefed the Authority on the revisions to the Sunshine Act regarding agendas and what can be discussed at public meetings going forward if it is not on the agenda. Solicitor Crabtree elaborated those issues brought up during the citizen comment period can be discussed, as well as genuine emergency matters.

Manager Diehl added with the recent rain, she feels comfortable lifting the voluntary water conservation notice.

Manager Diehl noted the solar panel project is still slated for a 2022 completion date and the only update is that the Bedford County Fairgrounds was requested by RER to not do any timbering at this time.

Manager Diehl briefed the Authority on the progress of the Borough building renovation project and is hopeful the project will be completed by the end of September so that a Certificate of Occupancy can be issued by the code office. An Open House is being planned, in conjunction with Bedford Fire Department No. 1 and the Bedford Area Ambulance Service, for the 28<sup>th</sup> of October, 2021.

Resolution #2021-03S, which updates the Summary of Local Limits and Recommendations for industrial users, was presented to the Authority for approval. Motion was made by Mr. Chris Bullington, seconded by Mr. Meehan, to approve Resolution #2021-03S. Motion carried by unanimous vote (6-0).

Wastewater Treatment Plant (WWTP) Superintendent John Flick updated the Authority on the operation of the plant, which is recovering from Tropical Storm Ida. Mr. Flick thanked Mr. Cooper for assisting during the storm to ensure the safety of the WWTP. During the storm, Mr. Flick identified inflow and infiltration on the northside of the Borough and added that he's done as much flow metering as he can. Mr. Flick mentioned the results of the recent smoke testing conducted by Stiffler McGraw are still pending.

Water Plant Superintendent John Whitmore briefed the Authority on the impact of Tropical Storm Ida. The water plant was down for approximately one week due to turbidity issues created by the storm. In response, interconnections between MABB and BTMA were opened to supply Borough water customers. Due to unforeseen water breaks in areas of Bedford Township, the interconnection flow was then reversed to supply Township customers with water. Mr. Cooper noted a recent BTMA water line replacement project at the turnpike interchange had some issues that required the assistance of Borough Public Works employees. Manager Diehl revisited the idea of developing a well site and would like the Authority to further discuss. Mr. Whitmore added that quarterly meter reading is currently being conducted and the replacement of storm boxes is ongoing.

**ENGINEER'S UPDATE (Tim Cooper/John Clabaugh):**

**WASTEWATER & WATER**

**CONSENT ORDER & AGREEMENT (COA)/ CSO REMOVAL PROJECT**

- Kukurin Contracting (Contract 2019-2) did not submit a payment request this month. They have been paid in full.
- Continental Construction (Contract 2019-3) did not submit a payment request this month. There only remains \$10,000 in retainage to be paid.
- No requisition was prepared for PENNVEST this month.
- We will tour the entire project area on September 15<sup>th</sup> and 16<sup>th</sup>, to see if there are any issues to be addressed before the warranty runs out in October.
- For reference, below is the condensed timeline for the Consent Order Agreement (COA):

<u>Task</u>	<u>COA Date</u>	<u>Status</u>
Open Construction Bids	February 15, 2020	7/1/2019
Award Contract for Construction	March 15, 2020	8/20/2019
PENNVEST Loan Closing	April 15, 2020	11/26/2019
Issue Notice to Proceed for Construction	April 30, 2020	10/14/2019
Complete Construction of Phase 1 Improvements	July 30, 2021	10/08/2020
Complete Flow Metering to Determine if Sufficient Flow Removed to Abandon CSO	February 28, 2022	
Develop and Implement Plan for Testing of Private Laterals in CSO Tributary Area	<b>April 30, 2021</b>	
Complete Private Lateral Repairs	November 30, 2022	
Abandon CSO	December 31, 2022	

- **Note that the date for implementing a plan for sewer lateral testing has been moved up as was suggested at last month's meeting.**
- PENNVEST approved using remaining funds for pavement wearing course toward the 2021 Paving Project. Approximately \$370,000 can be put toward the paving project. We cannot submit a requisition for this money until the expense has been incurred.
- We have finished gathering metering data throughout the Borough. Smoke testing was done in areas identified this past month and we are finalizing the report. While several properties were found to be contributing extraneous water into the system, correcting these issues is not likely to warrant abandonment of the CSO. It appears some form of lateral testing or flow equalization will need to be considered.

Authority member Michael Meehan exited the meeting at 5:02 p.m.

**WASTEWATER**

**INDUSTRIAL DISCHARGE LIMITS AND PRETREATMENT**

Headworks Analysis:

1. Final version of Headworks Analysis Report submitted to EPA on March 1, 2021 and PA DEP on April 29, 2021.
  - a. Analysis focused on max loadings based on water quality, inhibition, and sludge loadings.
  - b. The updates to the rules and regulations, the enforcement response plan and a draft permit were all included in the submission package.
  - c. No comments have been received yet.
2. Report listed 9 total “Industrial Users.”
3. Report also offered recommendations for revised local limits that industrial clients would be subjected to in perpetuity.

Industrial Discharge Permits:

A draft permit has been provided to Kennametal related to the long-term operational requirements associated with their industrial waste pre-treatment unit. Kennametal has requested clarifications and revisions to the permit and SMA has delivered a response letter. Kennametal has not provided any further correspondence related to their permit.

Rate Structure:

- A revised rate structure has been prepared by the committee for review and comment. The industrial customers that will require permitting and monitoring have been classified into three tiers based on flow quantity and quality. The fees are comprised on annual permit fees to cover administrative costs and usage fees to cover additional treatment related expenses. Initial program costs may not be entirely recovered through permit fees; however, ongoing costs should be self-supported by the program.
- The Industrial Pre-Treatment Committee is working on finalizing a list of businesses that will be subject to light industrial and restaurant classifications. Each classification would have a specific surcharge to fund the ongoing expenses associated with permitting, inspection and monitoring activities that will be required in the future.

Kennametal

They are currently evaluating the possibility of recycling the discharge from their treatment facility into the plant for re-use. They would eliminate the discharge to the sanitary sewer. We do not object to his as long as the current drain is disconnected from the sanitary sewer.

**FLOW METERING AT BTMA CONNECTION POINTS**

- At this point, the meter data appears to be representative of the actual flow rates and is reliable. As additional data is collected, quarterly reports regarding flows originating in the Township will be completed.

**CHEMICAL FEED OPTIONS FOR WWTP**

- SMA has been working towards the submission of a Part 2 Permit Application, as required by the DEP, for the modifications to the chemical feed system at the wastewater treatment facility. We have worked through the tank location, chemical selection and pipe routing with the operational staff.
- Cost Estimates for Option 1 and Option 2 of the chemical feed plan are included. As a reminder, both options include the bulk storage tank and accessories associated with such. Option 1 (which was the original scope of the project) maintains the existing chemical injection point and entails the installation of two chemical feed pumps, dosing as a function of the influent WWTP flow. Option 2 entails the installation of a single chemical feed pump per SBR basin (four total), new chemical injection points into each SBR Basin, and the controls changes associated with an updated chemical feed methodology. Option 2 was coordinated with the MABB WWTP operator and intends to improve the efficiency of the proposed chemical feed. In summary, Option 2 costs approximately \$37,700 more than Option 1, but is still less than the funds budgeted for this.
- Our recommendation would be to permit and construct Option 2. We believe dosing the chemical by the means associated with Option 2 will result in a greater chemical feed effectiveness. Moreover, we are required to submit a DEP WQM Part 2 Permit due to the change in chemical. If MABB were to select Option 1 with an intent to change to Option 2 in the future, permit modifications would be required to facilitate such an action in the future at an additional permitting cost.
- Once MABB makes a decision on Option 1 or 2, we will finalize and submit our WQM Part 2 Permit. DEP has indicated that due to the minor nature of the permit, our review period could be as short as 2 weeks. We intent to bid the work as soon as a permit has been obtained.
- A permit fee of \$2,000 is required for WQM Part 2 Permit Amendments (for Amendments to Major Sewage Treatment Plants). This check is to be made payable to the "Commonwealth of Pennsylvania" and can be dated 09/24/21. We also will need Matt to sign two copies of the permit application.

***Motion made by Mr. Chris Bullington, seconded by Mr. Speicher, to approve Option #2, at an estimated total cost, including contingency, of \$110,927.30. Motion carried by unanimous vote (5-0).***

## **SEWER RELINING BEHIND MOUNTAIN VALLEY APARTMENTS**

- There is a section of 18" sanitary sewer main along the river that has never been replaced or rehabilitated because it is under a retaining wall. Funds were budgeted to complete this work during 2021. The proposal received from Performance Pipelining, Inc. was accepted by the Authority at the August meeting. This work is to be done through the CoSTARS system for \$30,515.00, which is within the budgeted amount. Bonds were provided for our review this month and we returned them for one minor revision. Representatives from PPI are expected to attend this meeting with the revised bonds and executed contract, which was prepared by SMA.

## **BTMA AREAS 5 & 6- CARA HEIGHTS/SUNRISE TERRACE & SUNNYBROOK/ HAFER**

- Stiffler McGraw is currently submitting permit applications for these sanitary sewer extensions that will add approximately 150 customers to the system. The BTMA has chosen to put a hold on the



construction of this work for the time being and will decide at a later date when to proceed with construction, in hopes that grant funding will become available.

## **WATER**

### **J.C. SMITH RESERVOIR DAM/WATER SYSTEM EVALUATION**

- Survey work has been completed. Rizzo International has completed verification of the PMF flows. Based on the newly released model data, the capacity of the spillway can be somewhat reduced for the conceptual design.
- Rizzo's team is working through the design of the spillway and impoundment improvements. SMA will incorporate the water withdrawal piping, roadway re-alignment and bridge replacement upon completion of the Rizzo design effort.

### **CHEMICAL FEED OPTION AT WTP**

- SMA provided a schematic plan and cost estimate for consideration by the Authority at a previous meeting. This item was included in the overall water system report as one of 2 schematic options to address chemical feed on the site.
- MABB staff budgeted for design activities associated with this project to not start until the second half of 2021. We will prepare an Engineering Services Agreement for this project when the Authority decides to proceed with this work.

### **DEP REGULATORY ASSISTANCE**

- SMA staff continues to assist the MABB operational staff with updating and generating several reports and plans required by the DEP. Among the things we have been working on are:
  - Source Water Protection Plan- ongoing. 15% complete. Kurt Wagner, PRWA recently had his first site visit to being the SWPP process.
- There are a few items coming up regarding DEP/EPA regulatory compliance:
  1. Corrective Action Plan for the Lakewood Booster Station because of the findings of the USSP. Resulted in the need for an emergency generator on site. John Whitmore is currently working on this and it was included in the 2021 budget.

### **CAST IRON PIPE REPLACEMENT (CIP)**

- The PENNVEST application for funding was submitted electronically on August 4<sup>th</sup>. The funding announcement will be made at the PENNVEST Board Meeting on October 20<sup>th</sup>.

### **HIGH HAZARD POTENTIAL DAMS**

- MABB received correspondence from DEP's Department of Dam Safety. This correspondence included specifics regarding a potential grant opportunity. The applicant pool is limited to owners of

dams which are both high hazard by classification and are currently listed by the DEP as unsafe. In this case, both the Smith and Todd reservoirs are listed as eligible projects.

- Based upon direction from MABB, sub-recipient funding requested were submitted for both reservoirs to the DEP prior to the July 30<sup>th</sup> deadline. We currently await review of that submission.

## **STORMWATER**

### **SOUTHWEST BOROUGH FLOODING**

- Many homes in the southwest portion of the Borough have experienced severe flooding and washouts, and there have also been issues in areas below the Barclay Manor Development. These have been ongoing issues for many years. It appears that a significant portion of this runoff is coming into the Borough from development within the Township. We were able to meet with the Township Supervisors, PENNVEST and DEP representatives to discuss funding options for potential projects on Monday, July 29, 2019. We learned about what types of projects would be eligible and how they could potentially be funded. The Township indicated they would look into the situation and get back to us. The only thing we have received from the Township was a request to mark out areas where we felt curbing should be installed in Barclay Manor. We responded with a conceptual plan showing where we thought curb, inlets, pipes, and ditches should be placed within the existing development.
- A follow-up meeting was held on September 10, 2020 and it does not appear that the Township has done a significant amount of work toward correcting the situation. However, we learned this month that the Township is working to obtain a grant to construct some stormwater detention facilities at the southern end of the Borough. We have been assisting their effort by providing any information we have on homes that have been flooded in the southwestern Borough.
- Following the recent flooding that occurred in the King Street/Lafayette Avenue area, SMA provided a copy of a concept plan that was prepared back in 2005, which, if implemented, should help to reduce the frequency of flooding in this area.

### **NORTH STREET/ORCHARD WAY STORMWATER**

- We received a letter from the Township Engineer describing how they examined this area and they do not believe that the Township is significantly contributing to the storm water issues. I looked at this area during a recent storm with Bo and Brad. Based on what we saw, I do not necessarily agree with the Township Engineer's assessment. I would like to look at the area again during a heavier rainfall event.

Manager Diehl exited the meeting at 5:21 p.m.

There being no further business, a motion to adjourn was made at 5:25 p.m.

MUNICIPAL AUTHORITY MINUTES

The Municipal Authority of the Borough of Bedford met on the above date with members Matthew Bullington, Larry Myers, Chris Bullington, Jeremy Speicher, Michael Meehan and Joshua Leibfreid in attendance. Borough Manager Barbara Diehl, Assistant Borough Secretary Misty Hizer, Water Plant Superintendent John Whitmore, Wastewater Treatment Plant Superintendent John Flick, Solicitor Dean Crabtree and Tim Cooper, P.E. of Stiffler McGraw & Associates, were also present.

Absent was Authority member Jim Gonsman and Borough Secretary Beverly Geller.

Chairman Bullington called the meeting to order at 4:03 p.m.

Motion was made by Mr. Chris Bullington, seconded by Mr. Speicher, to approve the Minutes of the September 13, 2021 Meeting. Motion carried by unanimous vote (6-0).

Motion was made by Mr. Chris Bullington, seconded by Mr. Meehan, to approve the list of unpaid Municipal Authority Fund 10 Invoices from September 14, 2021 to October 11, 2021. Motion carried by unanimous vote (6-0).

Motion was made by Mr. Speicher, seconded by Mr. Myers, to approve the October 11, 2021 Treasurer's Report. Motion carried by unanimous vote (6-0).

Motion was made by Mr. Myers, seconded by Mr. Chris Bullington, to approve Requisition #10-2021 Water – Fund 10 to 6 in the amount of \$50,000.00 and Requisition #10-2021 Sewer – Fund 10 to 8 in the amount of \$50,000.00. Motion carried by unanimous vote (6-0).

Manager Diehl noted there has been no update on the Solar Panel Project.

Manager Diehl provided an update on the Borough Building Renovation Project. The administrative staff and Bedford Police Department moved into the building on October 4<sup>th</sup>. The contractor is currently working on punch list items. Manager Diehl reminded the Authority of picture day, scheduled for Tuesday, October 12<sup>th</sup>, from 4-6pm and the open house, scheduled for Thursday, October 28<sup>th</sup>, from 4:30-7pm.

Manager Diehl also reminded the authority that work will begin on the 2022 budgets. The proposed budget will be discussed at the November 8<sup>th</sup> and November 29<sup>th</sup> meetings and the 2022 budget will be officially adopted at the December 13<sup>th</sup> meeting.

Manager Diehl requested SMAI present their 2022 Engineering Retainer Agreement (ERA) at the November 8<sup>th</sup> meeting. Review, discussion and approval of the ERA will occur during the November 29<sup>th</sup> Authority year-end budget meeting.

Water Plant Superintendent (WTP) John Whitmore updated the Authority on recent Public Works projects, to include preparation for the annual Fall Foliage Festival and assistance with the move to the new Borough building. Additionally, the reservoirs are improving and the Lakewood generator will arrive later this week and be installed in the coming weeks.

Wastewater Treatment Plant (WWTP) Superintendent John Flick updated the Authority on the operation of the plant, which is operating well. Inflow and infiltration investigation continues. Routine maintenance on the generators is being performed and work continues on the industrial discharge program.

**ENGINEER’S UPDATE (Tim Cooper/John Clabaugh):**

**WASTEWATER & WATER**

**CONSENT ORDER & AGREEMENT (COA)/ CSO REMOVAL PROJECT**

Kukurin Contracting (Contract 2019-2) did not submit a payment request this month. They have been paid in full.

Continental Construction (Contract 2019-3) submitted a payment request this month for the \$10,000 retainage to be paid to them. This is Pay Estimate No. 13, in the amount of \$10,000.00 for the Authority’s approval.

Motion was made by Mr. Speicher, seconded by Mr. Chris Bullington, to approve Pay Estimate No. 13 for Continental Construction, in the amount of \$10,000.00. Motion carried by unanimous vote (6-0).

Motion was made by Mr. Chris Bullington, seconded by Mr. Leibfreid, to approve PENNVEST payment #16-Water in the amount of \$9,129.94 and #17-Sewer in the amount of \$14,244.69. Motion carried by unanimous vote (6-0).

We toured the entire project area on September 15<sup>th</sup> and 16<sup>th</sup>, to see if there are nay issues to be addressed before the warranty runs out in October. A punch list of items was generated for each contract. Kukurin was in last week to address all their issues and we expect Continental to be arriving shortly to take care of theirs. No major issues were noted.

For reference, below is the condensed timeline for the Consent Order Agreement (COA):

<b><u>Task</u></b>	<b><u>COA Date</u></b>	<b><u>Status</u></b>
Complete Construction of Phase 1 Improvements	July 30, 2021	10/08/2020
Complete Flow Metering to Determine if Sufficient Flow Removed to Abandon CSO	February 28, 2022	
Develop and Implement Plan for Testing of Private Laterals in CSO Tributary Area	<b>April 30, 2021</b>	
Complete Private Lateral Repairs	November 30, 2022	
Abandon CSO	December 31, 2022	

**Note that the date for implementing a plan for sewer lateral testing has been moved up as was suggested at last month’s meeting.**

Mr. Cooper noted the Authority is at a point in the CSO project where they will need to conduct sewer lateral pressure testing or install an equalization tank at the WWTP. Mr. Cooper will work on a plan for sewer lateral testing. The Authority also requested a list of approved contractors be established. The Authority will also need to determine if they want to pressure test under foundations or only test to the

slab. Additionally, property owners will need to be notified, to include funding options through PENNVEST or USDA to assist with the cost of replacing their sewer laterals. Due to COVID and the availability of materials, an extension may need to be requested from DEP.

We have finished gathering metering data throughout the Borough. Smoke testing was done in areas identified this past month and we are providing the report to John Flick. While several properties were found to be contributing extraneous water into the system, correcting these issues is not likely to warrant abandonment of the CSO. It appears some form of lateral testing or flow equalization will need to be considered.

## **WASTEWATER**

### **INDUSTRIAL DISCHARGE LIMITS AND PRETREATMENT**

#### **Headworks Analysis:**

1. Final version of Headworks Analysis Report submitted to EPA on March 1, 2021 and PA DEP on April 29, 2021.
  - a. Analysis focused on max loadings based on water quality, inhibition, and sludge loadings.
  - b. The updates to the rules and regulations, the enforcement response plan and a draft permit were all included in the submission package.
  - c. No comments have been received yet.
2. Report listed 9 total "Industrial Users."
3. Report also offered recommendations for revised local limits that industrial clients would be subjected to in perpetuity.

#### **Industrial Discharge Permits:**

A draft permit has been provided to Kennametal related to the long-term operational requirements associated with their industrial waste pre-treatment unit. Kennametal requested clarification and revisions to the permit and SMA delivered a response letter. Follow-up correspondence was sent to Kennametal on 9/30/21. At this time, they have provided no further correspondence related to their permit.

A meeting was held with PENNDOT on 9/30/21 to discuss discharge violations related to regular effluent monitoring. A formal notice of violation will be presented to PENNDOT and a meeting has been requested to discuss the development of a corrective action plan. A draft permit will also be prepared for their review.

#### **Rate Structure:**

A revised rate structure has been prepared by the committee for review and comment. The industrial customers that will require permitting and monitoring have been classified into three tiers based on flow quantity and quality. The fees are comprised on annual permit fees to cover administrative costs and usage fees to cover additional treatment related expenses. Initial program costs may not be entirely recovered through permit fees; however, ongoing costs should be self-supported by the program.

The Industrial Pre-Treatment Committee is working on finalizing a list of businesses that will be subject to light industrial and restaurant classifications. Each classification would have a specific surcharge to fund the ongoing expenses associated with permitting, inspection and monitoring activities that will be required in the future.

#### Additional User Evaluation

MABB staff is currently working on background sampling related to Friendship Village and the Bedford Fairgrounds. Upon completion of sampling, a meeting will be held with each respective facility to discuss sampling results and corrective actions that must be implemented.

#### **FLOW METERING AT BTMA CONNECTION POINTS**

At this point, the meter data appears to be representative of the actual flow rates and is reliable. As additional data is collected, quarterly reports regarding flows originating in the Township will be completed.

The third quarter report will be available at next month's meeting.

#### **CHEMICAL FEED OPTIONS FOR WWTP**

SMA has been working towards the submission of a Part 2 Permit Application, as required by the DEP, for the modifications to the chemical feed system at the wastewater treatment facility. We have worked through the tank location, chemical selection and pipe routing with the operational staff.

Edits to the permit package, plans, and specifications are ongoing to accommodate some changes to the chemical feed methodology and storage volume. After consulting with the chemical feed manufacturer, adjustments to the chemical feed rate and dosage methodology were accommodated. Furthermore, an alternate tank was selected providing an additional 500-gal. of chemical storage volume while remaining within the small site area on which the tank must be installed. We are working closely with a chemical feed pump and tank manufacturer to tailor the specific project requirements to the permit submission.

The previously issued \$2,000 fee check can be voided. The check date must be within 10 days of permit submission. We will contact the Authority when the permit package is ready for submission to request an updated check. We would anticipate submission by early November, which is contingent on timely responses from the pump and tank manufacturers.

#### **SEWER RELINING BEHIND MOUNTAIN VALLEY APARTMENTS**

There is a section of 18" sanitary sewer main along the river that has never been replaced or rehabilitated, because it is under a retaining wall, will be relined by Performance Pipelining, Inc. through the CoSTARS system for \$30,515.00. Satisfactory bonds have been provided and the agreement has been signed. We expect the work to be completed. It should be noted that while performing internal televising of this line to prepare for the work, PPI crews found significant root intrusion in the line that was blocking approximately 75% of the pipe. The root ball was large enough that they could not get their camera through it. They will be removing this prior to relining.

## **BTMA AREAS 5 & 6- CARA HEIGHTS/SUNRISE TERRACE & SUNNYBROOK/ HAFER**

Stiffler McGraw is currently submitting permit applications for these sanitary sewer extensions that will add approximately 150 customers to the system. The BTMA has chosen to put a hold on the construction of this work for the time being and will decide at a later date when to proceed with construction, in hopes that grant funding will become available.

## **WATER**

### **J.C. SMITH RESERVOIR DAM/WATER SYSTEM EVALUATION**

Continued coordination with the team from Rizzo has occurred. They are nearing completion on the hydraulic assessment and final channel improvements downstream of the spillway. Upon completion of these tasks, SMA will move forward with the permitting aspects of the project, design of the access roadway realignment and associated bridge.

### **CHEMICAL FEED OPTION AT WTP**

SMA provided a schematic plan and cost estimate for consideration by the Authority at a previous meeting. This item was included in the overall water system report as one of 2 schematic options to address chemical feed on the site.

MABB staff budgeted for design activities associated with this project to not start until the second half of 2021. We will prepare an Engineering Services Agreement for this project when the Authority decides to proceed with this work.

### **DEP REGULATORY ASSISTANCE**

SMA staff continues to assist the MABB operational staff with updating and generating several reports and plans required by the DEP. Among the things we have been working on are:

- Source Water Protection Plan- ongoing. 15% complete. Kurt Wagner, PRWA recently had his first site visit to being the SWPP process.

There are a few items coming up regarding DEP/EPA regulatory compliance:

1. Corrective Action Plan for the Lakewood Booster Station because of the findings of the USSP. Resulted in the need for an emergency generator on site. John Whitmore is currently working on this and it was included in the 2021 budget.

### **CAST IRON PIPE REPLACEMENT (CIP)**

The PENNVEST application for funding was submitted electronically on August 4<sup>th</sup>. The funding announcement will be made at the PENNVEST Board Meeting on October 20<sup>th</sup>.

Mr. Matthew Bullington exited the meeting at 4:57 pm.

### **HIGH HAZARD POTENTIAL DAMS**

MABB received correspondence from DEP's Department of Dam Safety. This correspondence included specifics regarding a potential grant opportunity. The applicant pool is limited to owners of dams which are both high hazard by classification and are currently listed by the DEP as unsafe. In this case, both the Smith and Todd reservoirs are listed as eligible projects.

Based upon direction from MABB, sub-recipient funding requested were submitted for both reservoirs to the DEP prior to the July 30<sup>th</sup> deadline. We currently await review of that submission.

## **STORMWATER**

### **SOUTHWEST BOROUGH FLOODING**

Many homes in the southwest portion of the Borough have experienced severe flooding and washouts, and there have also been issues in areas below the Barclay Manor Development. These have been ongoing issues for many years. It appears that a significant portion of this runoff is coming into the Borough from development within the Township. We last met with the Township Supervisors, PENNVEST and DEP representatives to discuss funding options for potential projects on Monday, July 29, 2019. We learned about what types of projects would be eligible and how they could potentially be funded. The Township indicated they would look into the situation and get back to us. The only thing we have received from the Township was a request to mark out areas where we felt curbing should be installed in Barclay Manor. We responded with a conceptual plan showing where we thought curb, inlets, pipes and ditches should be placed within the existing development.

A follow-up meeting was held on September 10, 2020, and it does not appear that the Township has done a significant amount of work toward correcting the situation. However, we learned that the Township is working to obtain a grant to construct some stormwater detention facilities at the southern end of the Borough. We have been assisting their effort by providing any information we have on homes that have been flooded in the southwestern Borough. We have not received any recent updates on this.

Following the recent flooding that occurred in the King Street/Lafayette Avenue area, SMA provided a copy of a concept plan that was prepared back in 2005, which, if implemented, should help to reduce the frequency of flooding in this area.

As directed at last month's Authority meeting, we performed internal televising of storm sewers in the areas where flooding has been occurring. Several defects in the piping were noted and this information was passed onto Manager Diehl.

### **NORTH STREET/ORCHARD WAY STORMWATER**

We received a letter from the Township Engineer describing how they examined this area and they do not believe that the Township is significantly contributing to the storm water issues. We looked at this area again during one of the recent rain events. Based on what we saw, and took pictures of, we do not necessarily agree with the Township Engineer's assessment; however, the runoff from the Township should continue to be monitored in this area. It appears the implementation of the potential storm sewer projects downstream of this, discussed last year, would significantly help the current situation.



Mr. Matthew Bullington returned to the meeting at 4:59 p.m.

Manager Diehl asked Mr. Whitmore to have the Public Works department flush a sanitary sewer line identified during internal televising and implement a routine flushing schedule going forward. Mr. Whitmore added it may be possible to tie in a routine sanitary sewer flushing schedule with the annual hydrant flushing schedule. Mr. Flick noted a whole-system sanitary sewer flush could take 2-3 months to complete. Manager Diehl would also like to see routine inlet cleaning conducted as well.

On a similar note, Mr. Myers noted the ongoing need to discuss implementing a storm sewer fee. Mr. Cooper was asked to re-send multiple options for the Authority to review.

Manager Diehl expressed concern about several areas that were recently paved. Mr. Cooper noted the paving contractor, New Enterprise Stone and Lime, will remedy the issues when they come back to patch.

There being no further business, a motion to adjourn was made at 5:15 p.m.

MUNICIPAL AUTHORITY MINUTES

The Municipal Authority of the Borough of Bedford met on the above date with members Matthew Bullington, Larry Myers, Chris Bullington, Jeremy Speicher, Michael Meehan and Joshua Leibfreid in attendance. Borough Manager Barbara Diehl, Assistant Borough Secretary Misty Hizer, Water Plant Superintendent John Whitmore, Wastewater Treatment Plant Superintendent John Flick, Solicitor Dean Crabtree and Tim Cooper, P.E. of Stiffler McGraw & Associates, were also present.

Absent was Authority member Jim Gonsman and Borough Secretary Beverly Geller.

Chairman Bullington called the meeting to order at 4:03 p.m.

Motion was made by Mr. Chris Bullington, seconded by Mr. Leibfreid, to approve the Minutes of the October 11, 2021 Meeting. Motion carried by unanimous vote (6-0).

Motion was made by Mr. Myers, seconded by Mr. Leibfreid, to approve the list of unpaid Municipal Authority Fund 10 Invoices from October 12, 2021 to November 8, 2021. Motion carried by unanimous vote (6-0).

Motion was made by Mr. Chris Bullington, seconded by Mr. Leibfreid, to approve the November 8, 2021 Treasurer's Report. Motion carried by unanimous vote (6-0).

Motion was made by Mr. Myers, seconded by Mr. Meehan, to approve Requisition #11-2021 Water – Fund 10 PFMM to 6 in the amount of \$164,850.00 and Requisition #11-2021 Sewer – Fund 10 PFMM to 8 in the amount of \$45,850.00. Motion carried by unanimous vote (6-0).

Manager Diehl briefed the Authority on the progress of the Solar Panel Project. Bedford County would like to utilize land at the jail and lease a portion of MABB's land for their own solar panel project. Due to issues with local electric companies, the County intends to utilize the land at the jail for solar panels that will provide power to jail facilities only. Mr. Chris Bullington reiterated that he does not want to move forward with granting approval of leasing land until the MABB/Borough Solar Panel Project moves forward. Manager Diehl confirmed with Solicitor Crabtree that a lease agreement can include language making the lease contingent upon the County utilizing the land for only a solar panel project. As for the MABB/Borough Solar Panel Project, Mr. Cooper added a spring 2022 anticipated start date, which is based on supply chain availability.

Manager Diehl thanked everyone for helping with the Grand Opening Celebration, which was held on October 28, 2021. A few punch list items remain for the Borough Building Renovation Project, to include some changes to the proposed fuel tank.

Manager Diehl also reminded the Authority that work is ongoing for the 2022 Budgets. Tentatively, the proposed 2022 Budget will be discussed at a November 29<sup>th</sup> meeting and then will formally be adopted at the December 13<sup>th</sup> meeting.

Manager Diehl previously provided the Authority with a copy of the SMAI 2022 Engineering Retainer Agreement (ERA) via email. Review, discussion and approval of the ERA will occur during the November 29<sup>th</sup> Authority year-end budget meeting.

Manager Diehl added that the 2021 Christmas Party will occur in the new Borough building, with a date to be determined.

Water Plant Superintendent (WTP) John Whitmore noted the WTP is operating well, and the staff has been busy moving equipment into the new Borough building. Additionally, routine water and sewer taps are being installed for various customers.

Wastewater Treatment Plant (WWTP) Superintendent John Flick updated the Authority on the operation of the plant, which is operating well. The results of the Chesapeake Bay monitoring came back in compliance, with leftover nutrient credits. The proposed chemical tank at the WWTP is in process and will save on chemical costs once installed. The industrial discharge program is moving along; however, the Authority will need to decide on fees and fines, as a fee schedule has not yet been implemented for the program. Kennametal and PennDOT are routinely in violation and work is ongoing with each of them regarding corrective action. Continued violations will require, per the EPA, publishing the violators and associated violations in the local newspaper.

**ENGINEER'S UPDATE (Tim Cooper/John Clabaugh):**

**WASTEWATER & WATER**

**CONSENT ORDER & AGREEMENT (COA)/CSO REMOVAL PROJECT**

Kukurin Contracting (Contract 2019-2) and Continental Construction (Contract 2019-3) did not submit payment requests this month. They have been paid in full and punch list items from the 11-month inspection have been completed on both contracts.

We have prepared requisitions for the Authority to request funds from PENNVEST to pay the Paving, Legal and Engineering costs for this month. The PENNVEST requisitions we have prepared are as follows:

Sewer Requisition No. 18 \$ 247,415.27

Water Requisition No. 17 \$ 168,167.52

A breakdown of these costs is provided on the attached Project Budget Status sheets. There will be one more final requisition that will include some minor project closeout costs

Motion made by Mr. Meehan, seconded by Mr. Myers, to approve Sewer Requisition No. 18, in the amount of \$247,415.27 and Water Requisition No. 17, in the amount of \$168,168.52. Motion carried by unanimous vote. (6-0)

For reference, below is the condensed timeline for the Consent Order Agreement (COA):

<u>Task</u>	<u>COA Date</u>	<u>Status</u>
Complete Construction of Phase 1 Improvements	July 30, 2021	10/8/2020
Complete Flow Metering to Determine if Sufficient Flow Removed to Abandon CSO	February 28, 2022	
Develop and Implement Plan for Testing of Private Laterals in CSO Tributary Area	<b>April 30, 2021</b>	
Complete Private Lateral Repairs	November 30, 2022	
Abandon CSO	December 31, 2022	

**Note that the date for implementing a plan for sewer lateral testing has been moved up as was suggested at the January meeting.**

Smoke testing was done in several areas of the system and the report was provided to John Flick. While several properties were found to be contributing extraneous water into the system, correcting these issues is not likely to warrant abandonment of the CSO. It appears some form of lateral testing or flow equalization will need to be considered. Mr. Cooper provided an alternative option for the Authority to consider in lieu of smoke testing. Televising the lines is possible, but would be at the expense of the Authority. Mr. Cooper added that he will need direction from the Authority regarding the route they'd like him to take. Mr. Meehan noted the Authority would like to see something that explains it clearly that can be distributed to the customers. Manager Diehl requested a checklist, letter template, surcharge rates and a certification form as well. Mr. Chris Bullington inquired about a time period that would be offered should a lateral fail a pressure test. Mr. Cooper suggested a June 1, 2022 deadline for pressure testing and a November 30 deadline for repairs and/or replacements of laterals.

Mr. Cooper noted a customer on S. Juliana Street has complained about a sewer odor in his home and it as only started since the completion of the CSO project. Mr. Cooper feels it is a failed trap issue, while Mr. Whitmore suggested it could also be a clogged roof vent. Smoke testing is an option to determine if it is a trap issue.

**WASTEWATER**

**INDUSTRIAL DISCHARGE LIMITS AND PRETREATMENT**

Headworks Analysis:

1. Final version of Headworks Analysis Report submitted to EPA on March 1, 2021 and PA DEP on April 29, 2021.
  - a. Analysis focused on max loadings based on water quality, inhibition, and sludge loadings.
  - b. The updates to the rules and regulations, the enforcement response plan and a draft permit were all included in the submission package.
  - c. No comments have been received yet.
2. Report listed 9 total "Industrial Users."
3. Report also offered recommendations for revised local limits that industrial clients would be subjected to in perpetuity.

Industrial Discharge Permits:

A draft permit has been provided to Kennametal related to the long-term operational requirements associated with their industrial waste pre-treatment unit. Kennametal requested clarification and revisions to the permit and SMA delivered a response letter. Follow-up correspondence was sent to Kennametal on 9/30/21. At this time, they have provided no further correspondence related to their permit.

A meeting was held with PENNDOT on 10/19/21 to discuss discharge violations related to regular effluent monitoring. A formal notice of violation was presented to PENNDOT and the development of a corrective action plan was discussed. A draft permit was prepared for their review.

Rate Structure:

A revised rate structure has been prepared by the committee for review and comment. The industrial customers that will require permitting and monitoring have been classified into three tiers based on flow quantity and quality. The fees are comprised on annual permit fees to cover administrative costs and usage fees to cover additional treatment related expenses. Initial program costs may not be entirely recovered through permit fees; however, ongoing costs should be self-supported by the program.

The Industrial Pre-Treatment Committee is working on finalizing a list of businesses that will be subject to light industrial and restaurant classifications. Each classification would have a specific surcharge to fund the ongoing expenses associated with permitting, inspection and monitoring activities that will be required in the future.

The Authority requested the permit fee for the restaurants and light industrial users be an annual fee of \$50 and the quarterly usage/inspection fee be \$90.00/quarter, with pro-rated fees if a new restaurant/light industrial customer comes online mid-year.

Additional User Evaluation

MABB staff is currently working on background sampling related to Friendship Village and the Bedford Fairgrounds. Upon completion of sampling, a meeting will be held with each respective facility to discuss sampling results and corrective actions that must be implemented.

**FLOW METERING AT BTMA CONNECTION POINTS**

At this point, the meter data appears to be representative of the actual flow rates and is reliable. As additional data is collected, quarterly reports regarding flows originating in the Township will be completed.

The third quarter report will be available at the meeting.

**CHEMICAL FEED OPTIONS FOR WWTP**

The plans, specifications and permit package are currently completed and being reviewed. Once reviewed, we will make submission to DEP within the next two weeks. When the permit package is reviewed and completed, we will contact the MABB to get a new \$2,000 permit fee check processed. The previously issued check (No. 048977) will need to be voided, as the check must be dated within 10 days of submission.

## **SEWER RELINING BEHIND MOUNTAIN VALLEY APARTMENTS**

The section of 18” sanitary sewer main along the river that has never been replaced or rehabilitated, because it is under a retaining wall, will be relined by Performance Pipelining, Inc. through the CoSTARS system for \$30,515.00. Satisfactory bonds have been provided and the agreement has been signed. We expect the work to be completed. It should be noted that while performing internal televising of this line to prepare for the work, PPI crews found significant root intrusion in the line that was blocking approximately 75% of the pipe. The root ball was large enough that they could not get their camera through it. They will be removing this prior to relining, which is currently scheduled for the week of November 15<sup>th</sup>.

Mr. Leibfreid exited the meeting at 5:10 p.m.

## **BTMA AREAS 5 & 6- CARA HEIGHTS/SUNRISE TERRACE & SUNNYBROOK/ HAFER**

Stiffler McGraw is currently submitting permit applications for these sanitary sewer extensions that will add approximately 150 customers to the system. The BTMA has chosen to put a hold on the construction of this work for the time being and will decide at a later date when to proceed with construction, in hopes that grant funding will become available.

BTMA recently received approval of the DEP Part 2 Construction permit for the project, but there are still several other permits that are under review.

## **WATER**

### **J.C. SMITH RESERVOIR DAM/WATER SYSTEM EVALUATION**

Continued coordination with the team from Rizzo has occurred. They are nearing completion on the hydraulic assessment and final channel improvements downstream of the spillway. Upon completion of these tasks, SMA will move forward with the permitting aspects of the project, design of the access roadway realignment and associated bridge.

### **CHEMICAL FEED OPTION AT WTP**

SMA provided a schematic plan and cost estimate for consideration by the Authority at a previous meeting. This item was included in the overall water system report as one of 2 schematic options to address chemical feed on the site.

MABB staff budgeted for design activities associated with this project to not start until the second half of 2021. We will prepare an Engineering Services Agreement for this project when the Authority decides to proceed with this work.

### **DEP REGULATORY ASSISTANCE**

SMA staff continues to assist the MABB operational staff with updating and generating several reports and plans required by the DEP. Among the things we have been working on are:

- Source Water Protection Plan- ongoing. 15% complete. Kurt Wagner, PRWA recently had his first site visit to being the SWPP process.

There are a few items coming up regarding DEP/EPA regulatory compliance:

1. Corrective Action Plan for the Lakewood Booster Station because of the findings of the USSP. Resulted in the need for an emergency generator on site. John Whitmore is currently working on this and it was included in the 2021 budget.

### **CAST IRON PIPE REPLACEMENT (CIP)**

PENNVEST has approved an offer that includes a \$884,423 grant and \$563,077 loan. The Authority will need to decide if they wish to accept the funding offer. If the offer is going to be accepted, we suggest that the project be advertised for bids as soon as possible. The funds must be expended by the end of 2022 and with the current lengthy supply delays for piping, it would be advisable to get the pipe ordered so the deadline can be met.

Motion made by Mr. Meehan, seconded by Mr. Chris Bullington, to accept the offer as presented. Motion carried by unanimous vote. (5-0)

Motion made by Mr. Meehan, seconded by Mr. Chris Bullington, to give approval for SMA to get the project out to bid. Motion carried by unanimous vote. (5-0)

### **HIGH HAZARD POTENTIAL DAMS**

MABB received correspondence from DEP's Department of Dam Safety. This correspondence included specifics regarding a potential grant opportunity. The applicant pool is limited to owners of dams which are both high hazard by classification and are currently listed by the DEP as unsafe. In this case, both the Smith and Todd reservoirs are listed as eligible projects.

Based upon direction from MABB, sub-recipient funding requested were submitted for both reservoirs to the DEP prior to the July 30<sup>th</sup> deadline. We currently await review of that submission.

### **STORMWATER**

#### **SOUTHWEST BOROUGH FLOODING**

Many homes in the southwest portion of the Borough have experienced severe flooding and washouts, and there have also been issues in areas below the Barclay Manor Development. These have been ongoing issues for many years. It appears that a significant portion of this runoff is coming into the Borough from development within the Township. We last met with the Township Supervisors, PENNVEST and DEP representatives to discuss funding options for potential projects on Monday, July 29, 2019. We learned about what types of projects would be eligible and how they could potentially be funded. The Township indicated they would look into the situation and get back to us. The only thing we have received from the Township was a request to mark out areas where we felt curbing should be installed in Barclay Manor. We responded with a conceptual plan showing where we thought curb, inlets, pipes and ditches should be placed within the existing development.

A follow-up meeting was held on September 10, 2020, and it does not appear that the Township has done a significant amount of work toward correcting the situation. However, we learned that the Township is working to obtain a grant to construct some stormwater detention facilities at the southern end of the Borough. We have been assisting their effort by providing any information we have on homes that have been flooded in the southwestern Borough. We have not received any recent updates on this.

Following the recent flooding that occurred in the King Street/Lafayette Avenue area, SMA provided a copy of a concept plan that was prepared back in 2005, which, if implemented, should help to reduce the frequency of flooding in this area.

SMA performed internal televising of storm sewers in the areas where flooding has been occurring. Several defects in the piping were noted and this information was passed along to Manager Diehl.

Mr. Matt Bullington noted that the Authority's consensus was to pursue Option #2 of the stormwater options previously presented by Mr. Cooper, which would be a fee based on the equivalent residential unit (ERU). An ERU is established based on either the average or the typical amount of impervious area of a single-family residential property. Mr. Cooper added that the impervious areas on non-residential properties would need to be determined and could be done by SMA at a cost of approximately \$20,000.

Mr. Myers asked if a portion of the ARPA funds that the Borough received could be allocated to MABB, as MABB currently pays 2/3 of a large portion of the expenses. The funds could be used to establish a stormwater fund. Manager Diehl stated she would take their request to Borough Council.

#### **NORTH STREET/ORCHARD WAY STORMWATER**

We received a letter from the Township Engineer describing how they examined this area and they do not believe that the Township is significantly contributing to the storm water issues. We looked at this area again during one of the recent rain events. Based on what we saw, and took pictures of, we do not necessarily agree with the Township Engineer's assessment; however, the runoff from the Township should continue to be monitored in this area. It appears the implementation of the potential storm sewer projects downstream of this, discussed last year, would significantly help the current situation.

There being no further business, a motion to adjourn was made at 5:34 p.m.



MUNICIPAL AUTHORITY MINUTES

The Municipal Authority of the Borough of Bedford met on the above date with members Matthew Bullington, Larry Myers, Chris Bullington, Jeremy Speicher, Michael Meehan and Joshua Leibfreid in attendance. Borough Manager Barbara Diehl, Assistant Borough Secretary Misty Hizer, Water Plant Superintendent John Whitmore, Wastewater Treatment Plant Superintendent John Flick, Public Works Superintendent Bo Ford, Solicitor Dean Crabtree and Tim Cooper, P.E. of Stiffler McGraw & Associates, were also present.

Absent was Authority member Jim Gonsman and Borough Secretary Beverly Geller.

Representatives of Kukurin Contracting, Inc. and D&M Contracting, Inc. were in attendance for the bid openings.

Chairman Bullington called the meeting to order at 4:03 p.m.

Seven (7) bids were received and opened for the 2022 Cast Iron Pipe Replacement Project from the following contractors:

- Excavating Associates, Inc. - \$825,577.00
- D&M Contracting, Inc. - \$778,000.00
- Diehl Contracting, Inc. – No Bid Received
- Gordon Delozier, Inc. - \$1,183,308.11
- Kukurin Contracting, Inc. - \$716,716.00
- Snyder Environmental Services - \$792,240.00
- Guyer Brothers, Inc. - \$889,744.00
- Ligonier Construction Co., Inc. - \$1,028,028.00

Motion was made by Mr. Meehan, seconded by Mr. Leibfreid, to approve the Minutes of the November 8, 2021 Meeting. Motion carried by unanimous vote (6-0).

Motion was made by Mr. Myers, seconded by Mr. Leibfreid, to approve the list of unpaid Municipal Authority Fund 10 Invoices from November 9, 2021 to December 13, 2021. Motion carried by majority vote (4-0-2), with Mr. Myers and Mr. Speicher abstaining due to a conflict of interest.

Motion was made by Mr. Meehan, seconded by Mr. Myers, to approve the December 13, 2021 Treasurer's Report. Motion carried by unanimous vote (6-0).

Motion was made by Mr. Speicher, seconded by Mr. Meehan, to approve Requisition #12-2021 Water – Fund 10 PFMM to 6 in the amount of \$50,000.00 and Requisition #12-2021 Sewer – Fund 10 PFMM to 8 in the amount of \$50,000.00. Motion carried by unanimous vote (6-0).

Mr. Cooper briefed the Authority on the progress of the Solar Panel Project. The Bedford Borough project is projected to begin in the spring 2022 and be completed by fall 2022. Bedford County would like to utilize land at the jail and lease a portion of MABB's land for their own solar panel project. Approximately 8.5 acres at the former Milburn Reservoir has been requested to be leased by the County for \$1 per year, for 29 years. Manager Diehl expressed concerns about adjoining property owners and the current shared private

roadway that would access the solar field. Attorney Crabtree noted that there can be stipulations in the agreement, or upfront bonding, to ensure the shared private access roadway is returned to its original condition. Currently, an adjoining property owner maintains the property around the former reservoir and Mr. Myers inquired if RER/Bedford County could maintain it should their project move forward. Mr. Matthew Bullington expressed concern regarding the risk MABB would take on. Mr. Chris Bullington reiterated that he does not want to move forward with granting approval of leasing land until the MABB/Borough project moves forward. Mr. Myers added that he is on board with leasing the property, but several issues need to be resolved before moving forward.

Manager Diehl shared the tentative dates for 2022 scheduled meetings with Bedford Township Municipal Authority. Meetings are currently scheduled for March 23, 2022 and September 28, 2022.

Manager Diehl requested a motion to adopt the 2022 budgets for Fund 10 and Fund 12. Mr. Myers asked the Authority to consider an increase of 1%-1.5% due to the cost of materials rising and to cover any capital needs that may arise. Mr. Bullington noted that there were so many unknowns going into 2021 and the Authority weathered through it, building back their reserves. Mr. Myers also expressed concern about the need to do stormwater projects and the lack of funding for them. Mr. Whitmore stated the Bedford County Conservation District believes there is grant money available to fund stormwater projects. Manager Diehl noted a slight increase would only generate approximately \$40,000 on the water side. Mr. Chris Bullington again noted he was not in favor of a rate increase due to the upcoming sewer lateral project. Mr. Myers also inquired about setting aside funding on a first come, first served basis for the sewer lateral project. Manager Diehl added the consensus at the Authority's November budget meeting was not favorable toward an internal funding mechanism since there were multiple outside sources available to assist homeowners with funding at low interest rates.

Mr. Chris Bullington exited the meeting at 4:52 p.m.

Mr. Leibfreid agreed with Mr. Bullington, stating the sewer lateral project is going to hit families hard and if not for that, he would be in favor of an increase. Mr. Meehan added an increase of 1%-1.5% will not make or break the Authority.

Motion was made by Mr. Myers, seconded by Mr. Speicher, to adopt the 2022 budgets for Fund 10 and Fund 12 with a 1% rate increase. Motion failed by a vote of (2-3).

Motion was made by Mr. Meehan, seconded by Mr. Leibfreid, to adopt the 2022 budgets for Fund 10 and Fund 12, as presented. Motion carried by unanimous vote (5-0).

Mr. Leibfreid exited the meeting at 5:07 p.m.

Motion was made by Mr. Meehan, seconded by Mr. Myers, to approve the Engineering Services Agreement with Stiffler, McGraw, & Associates, Inc. for 2022. Motion carried by unanimous vote (4-0).

Manager Diehl distributed the 2022 calendar and WTP/WWTP weekend calendars.

Mr. Whitmore presented Resolution 2021-01W, which changes the meter fees for 2022 to quote-based due to material availability and fluctuating costs.

Motion was made by Mr. Meehan, seconded by Mr. Speicher, to approve Resolution 2021-01W. Motion carried by unanimous vote (4-0).

Wastewater Treatment Plant (WWTP) Superintendent John Flick updated the Authority on the operation of the plant, which is operating well. The smoke testing response deadline was today and Mr. Flick asked how the Authority would like to address those property owners who did not respond. Out of ten letters that were sent, only one response was not received. Mr. Flick added fines for those in violation of the rules and regs should be established to ensure compliance. PennDOT is currently working on a corrective action plan as a result of a notice of violation they received in October. Kennametal has recently asked for revisions to their draft industrial discharge permit due to the way their reverse osmosis system and cooling towers operate.

Motion was made by Mr. Myers, seconded by Mr. Meehan, to accept the December 2, 2021 bids to rebuild two (2) mixers at the WWTP. Motion carried by unanimous vote (4-0).

Motion was made by Mr. Speicher, seconded by Mr. Myers, to accept the grant offers from DEP for the Smith and Todd Reservoirs, in the amounts of \$612,323 and \$144,000 respectively, which is 65% of the eligible costs. Motion carried by unanimous vote (4-0).

Mr. Meehan requested discussion on the industrial discharge permit fee schedule be tabled until the industrial discharge committee reconvenes.

Motion was made by Mr. Meehan, seconded by Mr. Speicher, to approve the purchase of a 2022 Caterpillar Excavator in the amount of \$117,490.00. Motion carried by unanimous vote (4-0).

Motion was made by Mr. Myers, seconded by Mr. Meehan, to accept the bid submitted by Kukurin Contracting, Inc., in the amount of \$716,716.00, pending review by Stiffler McGraw & Associates. Motion carried by unanimous vote (4-0).

**ENGINEER'S UPDATE (Tim Cooper/John Clabaugh):**

**WASTEWATER & WATER**

**CONSENT ORDER & AGREEMENT (COA)/CSO REMOVAL PROJECT**

Kukurin Contracting (Contract 2019-2) and Continental Construction (Contract 2019-3) have completed their contractual obligations and the contracts have been closed out.

We have prepared requisitions for the Authority to request funds from PENNVEST to pay the Paving, Legal and Engineering costs for this month. The PENNVEST requisitions we have prepared are as follows:

Sewer Requisition No. 19-Final \$ 434.25  
Water Requisition No. 18-Final \$ 162.00

A breakdown of these costs is provided on the attached Project Budget Status sheets. There will be one more final requisition that will include some minor project closeout costs

Motion made by Mr. Meehan, seconded by Mr. Myers, to approve Sewer Requisition No. 19-Final, in the amount of \$434.25 and Water Requisition No. 18-Final, in the amount of \$162.00. Motion carried by unanimous vote (4-0).

Mr. Meehan exited the meeting at 5:24 p.m.

Mr. Ford requested clarification on smoke testing repairs with the upcoming sewer lateral project. Additionally, Mr. Ford inquired if the Authority would like pressure testing conducted to the slab or under the foundation, as interested contractors are inquiring. Mr. Cooper noted from the foundation out would be sufficient for pressure testing; however, the Authority needs to make property owners aware that an inspection will be conducted to ensure there's no water under the slab.

Mr. Ford also inquired about establishing a contractor list to provide to property owners. Contractors who are available and able to provide water/sewer services may contact the Authority to be placed on the list. In order to be placed on the list, contractors shall maintain and provide a Certificate of Liability Insurance with coverage of a minimum of \$1 million, be registered as a Pennsylvania Home Improvement Contractor and the Authority must be familiar with the contractor's work.

For reference, below is the condensed timeline for the Consent Order Agreement (COA):

<u>Task</u>	<u>COA Date</u>	<u>Status</u>
Complete Construction of Phase 1 Improvements	July 30, 2021	10/8/2020
Complete Flow Metering to Determine if Sufficient Flow Removed to Abandon CSO	February 28, 2022	
Develop and Implement Plan for Testing of Private Laterals in CSO Tributary Area	<b>April 30, 2021</b>	
Complete Private Lateral Repairs	November 30, 2022	
Abandon CSO	December 31, 2022	

**Note that the date for implementing a plan for sewer lateral testing has been moved up as was suggested at the January meeting.**

Smoke testing was done in several areas of the system and the report was provided to John Flick. While several properties were found to be contributing extraneous water into the system, correcting these issues is not likely to warrant abandonment of the CSO. It appears some form of lateral testing or flow equalization will need to be considered.

As requested, we provided several documents related to the implementation of a sewer lateral resting program for your consideration. This is identical to the program that was implemented in Ebensburg a few years ago that has resulted in the elimination of the two remaining CSOs, in conjunction with a \$9.9 million sanitary sewer replacement project. We can try to answer any questions you may have or, Ebensburg has offered that you can contact them if you would like to discuss how the program has worked for them.

**WASTEWATER**

**INDUSTRIAL DISCHARGE LIMITS AND PRETREATMENT**

Headworks Analysis:

1. Final version of Headworks Analysis Report submitted to EPA on March 1, 2021 and PA DEP on April 29, 2021.
  - a. Analysis focused on max loadings based on water quality, inhibition, and sludge loadings.
  - b. The updates to the rules and regulations, the enforcement response plan and a draft permit were all included in the submission package.
  - c. No comments have been received yet.
2. Report listed 9 total “Industrial Users.”
3. Report also offered recommendations for revised local limits that industrial clients would be subjected to in perpetuity.

Industrial Discharge Permits:

A draft permit has been provided to Kennametal related to the long-term operational requirements associated with their industrial waste pre-treatment unit. Kennametal requested clarification and revisions to the permit and SMA delivered a response letter. SMA has participated in several conference calls related to permit limits and requirements. Kennametal has revised their treatment approach and will be implementing beneficial reuse practices. Limits will still apply and sampling will be completed to monitor effluent quality.

A meeting was held with PENNDOT on 10/19/21 to discuss discharge violations related to regular effluent monitoring. A formal notice of violation was presented to PENNDOT and the development of a corrective action plan was discussed. A draft permit was prepared for their review. PENNDOT has contracted with a consultant related to the development of the corrective action plan. The consultant has requested a 30-day extension for the submission of this document.

Rate Structure:

The Authority has been previously presented with a revenue-neutral rate structure for fees associated with industrial customers that will require permitting and monitoring. If no further discussion is required, the rate structure should be approved so that it can be incorporated into the industrial user permits.

It is recommended that a fine schedule be approved related to effluent non-compliance events. There are several users within the system with violations – it is likely that fees will need to be assessed to support compliance enforcement efforts.

Additional User Evaluation

MABB staff is currently working on background sampling related to Friendship Village and the Bedford Fairgrounds. Meetings will be scheduled with each respective facility to discuss sampling compliance enforcement efforts.

**FLOW METERING AT BTMA CONNECTION POINTS**

The fourth quarter report will be provided at the February meeting.

## **CHEMICAL FEED OPTIONS FOR WWTP**

The plans, specifications and permit package are currently completed and reviewed. Submission to DEP occurred today, December 13, 2021. SMA paid the \$2,000 permit fee and will request reimbursement from MABB.

## **SEWER RELINING BEHIND MOUNTAIN VALLEY APARTMENTS**

The section of 18" sanitary sewer main along the river was relined this month by Performance Pipelining, Inc. (PPI) through the CoSTARS system for \$30,515.00. PPI will be returning in February or March to complete relining of a manhole and a portion of the only lateral that is connected to the main in this section. As was previously reported, PPI crews found a significant root intrusion in the line that was blocking approximately 75% of the pipe and this was cut out prior to the relining work being completed. They have submitted a request for partial payment in the amount of \$21,277.00. The remainder will be paid when the manhole and lateral are completed.

It should be noted that a video of the completed work was provided. Upon viewing this video, it can be seen there is a significant amount of clear water coming into the line from the Mountain Valley Apartments' lateral.

## **BTMA AREAS 5 & 6- CARA HEIGHTS/SUNRISE TERRACE & SUNNYBROOK/ HAFER**

Stiffler McGraw is currently submitting permit applications for these sanitary sewer extensions that will add approximately 150 customers to the system. The BTMA has chosen to put a hold on the construction of this work for the time being and will decide at a later date when to proceed with construction, in hopes that grant funding will become available.

BTMA recently received approval of the DEP Part 2 Construction permit for the project, but there are still several other permits that are under review.

## **WATER**

### **J.C. SMITH RESERVOIR DAM/WATER SYSTEM EVALUATION**

Continued coordination with the team from Rizzo has occurred. They have been working steadily on the Proposed crest leveling, earthen buttressing, spillway design and stability analysis.

Rizzo provided conceptual drawings to SMA last week. Our staff provided comments and recommendations to Rizzo based upon these drawings. We intend to have a virtual meeting with Rizzo in the next week or two to discuss these comments and the overall project status.

Once major aspects of the conceptual plan are agreed upon, SMA will move forward with the permitting aspects of the project, design of the access roadway realignment and associated bridge.

## **HIGH HAZARD POTENTIAL DAMS**

MABB received correspondence from the DEP's Department of Dam Safety that offered a \$612,323 grant (65% of the eligible costs) toward the cost of design and this offer has been accepted. A second grant offer came a few days later for \$144,000 to be used toward the design of the Todd Springs Dam, which is significantly less than the amount requested.

### **CHEMICAL FEED OPTION AT WTP**

SMA provided a schematic plan and cost estimate for consideration by the Authority at a previous meeting. This item was included in the overall water system report as one of 2 schematic options to address chemical feed on the site. One option included a freestanding chemical storage/feed structure with the alternate version indicating an addition to the existing WTP. At the time the options were presented, MABB discussed a preference towards the freestanding structure.

MABB staff budgeted for design activities associated with this project to not start until the second half of 2021. We will prepare an Engineering Services Agreement for this project when the Authority decides to proceed with the work.

Tobias Nagle has been working with the WTP operator regarding one potential additional chemical feed (above and beyond those chemicals currently being fed). As soon as the additional chemical testing is completed, SMA will provide updated cost estimates for each option as well as ESAs to be considered by MABB.

### **DEP REGULATORY ASSISTANCE**

SMA staff continues to assist the MABB operational staff with updating and generating several reports and plans required by the DEP. Among the things we have been working on are:

- Source Water Protection Plan- ongoing. 15% complete. Kurt Wagner, PRWA, is scheduled to be on-site December 14<sup>th</sup> to discuss progress on the SWPP.

### **CAST IRON PIPE REPLACEMENT (CIP)**

PENNVEST has approved, and the Authority accepted, an offer that includes an \$884,423 grant and \$563,077 loan. A conference call was held with PENNVEST earlier this week to discuss the process and schedule a loan closing for March 9, 2022. Due to the bids coming in under the budgeted amount, funds may be pro-rated.

### **STORMWATER**

#### **SOUTHWEST BOROUGH FLOODING**

Many homes in the southwest portion of the Borough have experienced severe flooding and washouts, and there have also been issues in areas below the Barclay Manor Development. These have been ongoing issues for many years. It appears that a significant portion of this runoff is coming into the Borough from development within the Township. We last met with the Township Supervisors, PENNVEST and DEP representatives to discuss funding options for potential projects on Monday, July 29, 2019. We learned

about what types of projects would be eligible and how they could potentially be funded. The Township indicated they would look into the situation and get back to us. The only thing we have received from the Township was a request to mark out areas where we felt curbing should be installed in Barclay Manor. We responded with a conceptual plan showing where we thought curb, inlets, pipes and ditches should be placed within the existing development.

A follow-up meeting was held on September 10, 2020, and it does not appear that the Township has done a significant amount of work toward correcting the situation. However, we learned that the Township is working to obtain a grant to construct some stormwater detention facilities at the southern end of the Borough. We have been assisting their effort by providing any information we have on homes that have been flooded in the southwestern Borough. We have not received any recent updates on this.

Following the recent flooding that occurred in the King Street/Lafayette Avenue area, SMA provided a copy of a concept plan that was prepared back in 2005, which, if implemented, should help to reduce the frequency of flooding in this area.

SMA performed internal televising of storm sewers in the areas where flooding has been occurring. Several defects in the piping were noted and this information was passed along to Manager Diehl.

Mr. Cooper added that the Authority needs to further discuss establishing stormwater fees at the next meeting.

#### **NORTH STREET/ORCHARD WAY STORMWATER**

We received a letter from the Township Engineer describing how they examined this area and they do not believe that the Township is significantly contributing to the storm water issues. We looked at this area again during one of the recent rain events. Based on what we saw, and took pictures of, we do not necessarily agree with the Township Engineer's assessment; however, the runoff from the Township should continue to be monitored in this area. It appears the implementation of the potential storm sewer projects downstream of this, discussed last year, would significantly help the current situation.

There being no further business, a motion to adjourn was made at 5:50 p.m.



## MUNICIPAL AUTHORITY MINUTES

The Municipal Authority of the Borough of Bedford met on the above date with members Matthew Bullington, Larry Myers, Chris Bullington, and Joshua Leibfreid in attendance. Borough Manager Barbara Diehl, Assistant Borough Secretary Misty Hizer, Water Plant Superintendent John Whitmore, Wastewater Treatment Plant Superintendent John Flick, and Tim Cooper, P.E. of Stiffler McGraw & Associates, were also present.

Absent were Authority members Jeremy Speicher, Michael Meehan and Jim Gonsman, as well as Borough Secretary Beverly Geller and Solicitor Dean Crabtree.

Chairman Bullington called the meeting to order at 4:03 p.m.

Motion was made by Mr. Chris Bullington, seconded by Mr. Leibfreid, to approve the Minutes of the December 13, 2021 Meeting. Motion carried by unanimous vote (4-0).

Motion was made by Mr. Myers, seconded by Mr. Leibfreid, to approve the list of unpaid Municipal Authority Fund 10 Invoices from December 14, 2021 to January 10, 2022. Motion carried by unanimous vote (4-0).

Motion was made by Mr. Myers, seconded by Mr. Chris Bullington, to approve the January 10, 2022 Treasurer's Report. Motion carried by unanimous vote (4-0).

Motion was made by Mr. Myers, seconded by Mr. Leibfreid, to approve Requisition #01-2022 Water – Fund 10 to 6 in the amount of \$100,000.00 and Requisition #01-2022 Sewer – Fund 10 to 8 in the amount of \$100,000.00. Motion carried by unanimous vote (4-0).

Visitors Garrett Washington and Matt Kline, representatives of Performance Pipelining Inc., (PPI), gave a brief background on their company and the services they provide, such as lateral lining, televising of lines and air testing of lines.

Manager Diehl noted there has been no update on the Solar Panel Project. The Authority maintains their stance that while they are willing to work with the County, they would like RER to move forward with the Borough/Authority's project before committing to another entity's project. Additionally, RER will soon need to request an extension of the Borough/Authority's project.

Manager Diehl presented a sample ordinance, sample letter to property owners and sample rules and regulations regarding the upcoming sewer lateral testing project for the Authority's review.

Wastewater Treatment Plant (WWTP) Superintendent John Flick inquired about a recent inquiry from a MABB customer that has a sump pump connected to the sanitary sewer system and requested clarification about how to handle them moving forward. Mr. Cooper added that as the designated Borough employee is completing inspections to issue compliance certifications, one of the requirements will be to visually inspect the property and make note of any illegal connections so they can be remediated.

Manager Diehl added that she would like to run an additional ad in the newspaper, as well as distribute information via the Borough newsletter, with more information about the project. Mr. Matt Bullington suggested making it simple and straight-forward, perhaps in a bullet-point format, to include a diagram of a typical sewer lateral.

Mr. Myers suggested requiring re-testing every ten years in the event a property does not transfer title, as is the case for churches, schools, etc. Other suggested changes included a security amount of \$3,000, changing the testing deadline to July 2022, and updates to the surcharges.

Mr. Matt Bullington discussed reducing the number of MABB Authority members from seven to five members and to change the meeting time to 3:00 p.m. Mr. Chris Bullington noted the change in meeting time would need to be advertised and Manager Diehl added a change in the number of Authority members would require approval by Borough Council.

Motion was made by Mr. Chris Bullington, seconded by Mr. Leibfreid, to change the time of the Authority meetings to the second Monday of each month at 3:00 p.m. Motion carried by unanimous vote (4-0).

Mr. Leibfreid exited the meeting at 5:06 p.m.

Water Treatment Plant Superintendent John Whitmore noted the water treatment plant is running well. Mr. Whitmore added that employee Nick Arnold recently resigned to pursue other employment and work is ongoing to move the Public Works Department back into the Borough Building by the end of January 2022.

Manager Diehl added that the Borough wishes Mr. Arnold the best of luck on his new venture. The vacant position will be advertised in-house and then to the public next week.

Mr. Flick noted the WWTP is running well and requested a copy of the signed proposal for the mixer rebuild to keep the process moving forward. Mr. Flick added a dedicated point of contact will need to be established for the upcoming sewer lateral project. Additionally, recent sampling at the Wal-Mart Distribution Center displayed potential issues with their oil/water separator and/or cooling towers, which is being looked into further by both MABB and BTMA staff.

**ENGINEER'S UPDATE (Tim Cooper/John Clabaugh):**

**WASTEWATER & WATER**

**CONSENT ORDER & AGREEMENT (COA)/CSO REMOVAL PROJECT**

Kukurin Contracting (Contract 2019-2) and Continental Construction (Contract 2019-3) have completed their contractual obligations and the contracts have been closed out.

The final PENNVEST requisitions were submitted last month and the loans are being closed out.

For reference, below is the condensed timeline for the Consent Order Agreement (COA):

<b><u>Task</u></b>	<b><u>COA Date</u></b>	<b><u>Status</u></b>
Complete Construction of Phase 1 Improvements	July 30, 2021	10/8/2020

Complete Flow Metering to Determine if Sufficient Flow Removed to Abandon CSO	February 28, 2022	11/01/2021
Develop and Implement Plan for Testing of Private Laterals in CSO Tributary Area	<b>April 30, 2021</b>	
Complete Private Lateral Repairs	November 30, 2022	
Abandon CSO	December 31, 2022	

The Authority will need to formally approve moving forward with a sewer lateral testing program.

**WASTEWATER**

**INDUSTRIAL DISCHARGE LIMITS AND PRETREATMENT**

Headworks Analysis:

1. Final version of Headworks Analysis Report submitted to EPA on March 1, 2021 and PA DEP on April 29, 2021.
  - a. Analysis focused on max loadings based on water quality, inhibition, and sludge loadings.
  - b. The updates to the rules and regulations, the enforcement response plan and a draft permit were all included in the submission package.
  - c. No comments have been received yet.
2. Report listed 9 total “Industrial Users.”
3. Report also offered recommendations for revised local limits that industrial clients would be subjected to in perpetuity.

Industrial Discharge Permits:

Kennametal has requested revisions to their industrial discharge permit. They have requested that a second outfall be added to the permit so that they can isolate their beneficial reuse discharge from Cooling Tower 1. If approved, SMA will coordinate with MABB staff to develop sampling parameters. All previously approved requirements associated with outfall 1 will remain to monitor effluent quality associated with the site’s effluent.

Kennametal was also issued an NOV related to effluent limits on 12/20/2021. A response has not been provided to date.

To date, a corrective action plan related to the industrial discharge from the facility has not been submitted for review/comment. The 20-day extension for submission of a corrective action plan for the facility expires 01/17/2022.

Rate Structure:

The Authority has been previously presented with a revenue-neutral rate structure for fees associated with industrial customers that will require permitting and monitoring. If no further discussion is required, the rate structure should be approved so that it can be incorporated into the industrial user permits.

It is recommended that a fine schedule be approved related to effluent non-compliance events. There are several users within the system with violations – it is likely that fees will need to be assessed to support compliance enforcement efforts.

#### Additional User Evaluation

MABB staff is currently working on background sampling related to Friendship Village and the Bedford Fairgrounds. Meetings will be scheduled with each respective facility to discuss sampling compliance enforcement efforts.

#### **FLOW METERING AT BTMA CONNECTION POINTS**

The fourth quarter report will be provided at the February meeting.

#### **CHEMICAL FEED OPTIONS FOR WWTP**

The plans, specifications and permit package have been submitted to DEP. We can advertise the project for bids once the permit has been approved.

#### **SEWER RELINING BEHIND MOUNTAIN VALLEY APARTMENTS**

The section of 18” sanitary sewer main along the river was relined in November by Performance Pipelining, Inc. (PPI) through the CoSTARS system. PPI will be returning in February or March to complete relining of a manhole and a portion of the only lateral that is connected to the main in this section.

#### **BTMA AREAS 5 & 6- CARA HEIGHTS/SUNRISE TERRACE & SUNNYBROOK/ HAFER**

Permit applications are submitted for these sanitary sewer extensions that will add approximately 150 customers to the system. The BTMA has not decided when construction will proceed.

#### **WATER**

#### **J.C. SMITH RESERVOIR DAM/WATER SYSTEM EVALUATION**

Continued coordination with the team from Rizzo has occurred. They have been working steadily on the Proposed crest leveling, earthen buttressing, spillway design and stability analysis.

Rizzo provided conceptual drawings to Stiffler McGraw. Our staff provided comments and recommendations to Rizzo based upon these drawings. We held a virtual meeting with Rizzo and addressed the comments. Final slopes for the embankment were agreed upon based on the soil stability calculations. Based upon these slopes, SMA is now working through survey related tasks to address the need for property acquisition. As this survey information is finalized, we will provide MABB with the necessary documents to support property acquisition.

Preliminary plans including the proposed embankment grading have been prepared and we would like to schedule a meeting to discuss property acquisition and vehicular access points with your staff as soon as the updated survey information has been completed.

### **HIGH HAZARD POTENTIAL DAMS**

MABB received correspondence from the DEP's Department of Dam Safety that offered a \$612,323 grant (65% of the eligible costs) toward the cost of design and this offer has been accepted. A second grant offer came a few days later for \$144,000 to be used toward the design of the Todd Springs Dam, which is significantly less than the amount requested. MABB has opted to utilize the available funds to complete Phase 1 of the design. A discussion needs to take place with the grant administrator to determine whether a separate Phase 1 ESA needs to be authored or whether a limited notice to proceed can be utilized relative to the existing ESA. Upon verification of this point, SMA will provide all necessary documentation to support the grant administration.

### **CHEMICAL FEED OPTION AT WTP**

SMA provided a schematic plan and cost estimate for consideration by the Authority at a previous meeting. This item was included in the overall water system report as one of 2 schematic options to address chemical feed on the site. One option included a freestanding chemical storage/feed structure with the alternate version indicating an addition to the existing WTP. At the time the options were presented, MABB discussed a preference towards the freestanding structure.

MABB staff budgeted for design activities associated with this project to begin in 2022. We will prepare an Engineering Services Agreement for this project when the Authority decides to proceed with this work and selects an option.

Tobias Nagle has been working with the WTP operator regarding one potential additional chemical feed (above and beyond those chemicals currently being fed). Based upon those exercises, updated cost estimates have been completed and will be shared at the meeting.

### **DEP REGULATORY ASSISTANCE**

SMA staff continues to assist the MABB operational staff with updating and generating several reports and plans required by the DEP. Among the things we have been working on are:

- Source Water Protection Plan- ongoing. 25% complete. Kurt Wagner, PRWA, is compiling potential source contamination (PSOC) inventory for the MABB watershed lands and the Wolfsburg Intake drainage basin.

### **CAST IRON PIPE REPLACEMENT (CIP)**

PENNVEST is providing a funding package that includes an \$884,423 grant and \$563,077 loan for the first phase of cast iron pipe replacement. The loan closing is scheduled for March 9, 2022. We are currently working with the lowest responsible bidder, Kukurin Contracting, to complete all the contract award documents to meet the deadline for the closing. The Kukurin bid was \$716,716.00, which is much less than

anticipated. We have asked PENNVEST if only the grant funds could be used to pay for the project, or if other areas could be added. We have not received a response.

## **STORMWATER**

### **SOUTHWEST BOROUGH FLOODING**

Many homes in the southwest portion of the Borough have experienced severe flooding and washouts, and there have also been issues in areas below the Barclay Manor Development. These have been ongoing issues for many years. It appears that a significant portion of this runoff is coming into the Borough from development within the Township. We last met with the Township Supervisors, PENNVEST and DEP representatives to discuss funding options for potential projects on Monday, July 29, 2019. We learned about what types of projects would be eligible and how they could potentially be funded.

A follow-up meeting was held on September 10, 2020, and it does not appear that the Township has done a significant amount of work toward correcting the situation. However, we learned that the Township is working to obtain a grant to construct some stormwater detention facilities at the southern end of the Borough. We have been assisting their effort by providing any information we have on homes that have been flooded in the southwestern Borough. We have not received any recent updates on this.

Following the recent flooding that occurred in the King Street/Lafayette Avenue area, SMA provided a copy of a concept plan that was prepared back in 2005, which, if implemented, should help to reduce the frequency of flooding in this area.

SMA performed internal televising of storm sewers in the areas where flooding has been occurring. Several defects in the piping were noted and this information was passed along to Manager Diehl.

### **NORTH STREET/ORCHARD WAY STORMWATER**

We received a letter from the Township Engineer describing how they examined this area and they do not believe that the Township is significantly contributing to the storm water issues. We looked at this area again during one of the recent rain events. Based on what we saw, and took pictures of, we do not necessarily agree with the Township Engineer's assessment; however, the runoff from the Township should continue to be monitored in this area. It appears the implementation of the potential storm sewer projects downstream of this, discussed last year, would significantly help the current situation.

## **STORMWATER FEES**

We have included costs in the 2022 Budget for the development of a stormwater fee system to generate revenue for future projects. We can discuss when the Authority would like to proceed with this and what type of system would be preferred. There can also be discussion on how the ARPA funds received from the Borough can be utilized.

There being no further business, a motion to adjourn was made at 6:12 p.m.

MUNICIPAL AUTHORITY MINUTES

The Municipal Authority of the Borough of Bedford met on the above date with members Matthew Bullington, Larry Myers, Chris Bullington, and Joshua Leibfreid in attendance. Borough Manager Barbara Diehl, Assistant Borough Secretary Misty Hizer, Water Plant Superintendent John Whitmore, Wastewater Treatment Plant Superintendent John Flick, Public Works Superintendent Bo Ford, and Tim Cooper, P.E. of Stiffler McGraw & Associates were also present.

Absent were Authority Members Jeremy Speicher and Michael Meehan, as well as Borough Secretary Beverly Geller.

Visitors included Brenda Erdos, Charwin Reichelderfer, Roger Smith, Ethan Brouse and James Lohman.

Chairman Bullington called the meeting to order at 3:15 p.m.

Motion was made by Mr. Myers, seconded by Mr. Leibfreid, to approve the Minutes of the February 14, 2022 Meeting. Motion carried by unanimous vote (4-0).

Motion was made by Mr. Myers, seconded by Mr. Leibfreid, to approve the list of unpaid Municipal Authority Fund 10 Invoices from February 15, 2022 to March 14, 2022. Motion carried by unanimous vote (4-0).

Motion was made by Mr. Myers, seconded by Mr. Leibfreid, to approve the March 14, 2022 Treasurer's Report. Motion carried by unanimous vote (4-0).

Motion was made by Mr. Chris Bullington, seconded by Mr. Leibfreid, to approve Requisition #03-2022 Water – Fund 10 to 6 in the amount of \$50,000.00 and Requisition #03-2022 Sewer – Fund 10 to 8 in the amount of \$50,000.00. Motion carried by unanimous vote (4-0).

Authority member Jim Gonsman joined the meeting at 3:17 p.m.

Mr. Reichelderfer expressed his thoughts regarding the upcoming sewer lateral testing. Mr. Reichelderfer thought the Authority should have sent out letters years ago informing customers of the project. He also stated that contractors are booked up and there is a short time frame for the testing to be completed. Additionally, he expressed concern about the lack of observation stacks on his portion of Preston Street. Mr. Reichelderfer also inquired about the ongoing stormwater issues in his neighborhood.

**ENGINEER'S UPDATE (Tim Cooper/John Clabaugh):**

**WASTEWATER & WATER**

**CONSENT ORDER & AGREEMENT (COA)/CSO REMOVAL PROJECT**

The PENNVEST loans are being closed out.

For reference, below is the condensed timeline for the Consent Order Agreement (COA):

<u>Task</u>	<u>COA Date</u>	<u>Status</u>
Complete Construction of Phase 1 Improvements	July 30, 2021	10/8/2020
Complete Flow Metering to Determine if Sufficient Flow Removed to Abandon CSO	February 28, 2022	11/01/2021
Develop and Implement Plan for Testing of Private Laterals in CSO Tributary Area	<b>April 30, 2021</b>	
Complete Private Lateral Repairs	November 30, 2022	
Abandon CSO	December 31, 2022	

Borough Council passed the Ordinance that was necessary for the Authority to move forward with the sewer lateral testing program. We will need to discuss how the Authority wishes to proceed with properties that do not currently have an observation stack (viewport).

Motion was made by Mr. Chris Bullington, seconded by Mr. Myers, to approve MABB taking on the responsibility of installing observation stacks at the property line/right-of-way on existing properties. Motion carried by unanimous vote (5-0).

Mr. Ford revisited a discussion from the February 2022 meeting regarding the size of observation stacks and would like to keep them at six (6”) inches.

Mr. Matt Bullington proposed eliminating the \$25 fee for witnessing the initial pressure test and \$200 inspection fee for replacement connections for the 2022 calendar year. Fees for witnessing of subsequent pressure tests and new connection inspection fees will still apply.

Motion made by Mr. Myers, seconded by Mr. Chris Bullington, to waive the \$25 fee for witnessing the initial pressure test and waive the \$200 inspection fee for replacement connections for the 2022 calendar year. Motion carried by unanimous vote (5-0).

Manager Diehl inquired about shared laterals with different property owners and how the Authority planned to handle those inquiries. Mr. Matt Bullington stated some deeds may reference shared water/sewer lines and who is responsible for them. Mr. Chris Bullington added that it is a civil matter between property owners.

Brief discussion occurred on the addition of language to the rules and regulations regarding an assigned number of industrial analytic violations that would warrant disconnection in a calendar year. The topic was tabled for further discussion.

**WASTEWATER**

**INDUSTRIAL DISCHARGE LIMITS AND PRETREATMENT**

Headworks Analysis:

1. Final version of Headworks Analysis Report submitted to EPA on March 1, 2021 and PA DEP on April 29, 2021.



- a. Analysis focused on max loadings based on water quality, inhibition, and sludge loadings.
  - b. The updates to the rules and regulations, the enforcement response plan and a draft permit were all included in the submission package.
  - c. No comments have been received yet.
2. Report listed 9 total “Industrial Users.”
  3. Report also offered recommendations for revised local limits that industrial clients would be subjected to in perpetuity.

#### Industrial Discharge Permits:

Kennametal has requested revisions to their industrial discharge permit. They have requested that a second outfall be added to the permit so that they can isolate their beneficial reuse discharge from Cooling Tower #1. If approved, SMA will coordinate with MABB staff to develop sampling parameters. All previously approved requirements associated with outfall 1 will remain to monitor effluent quality associated with the site’s effluent.

Revision 2 has been completed to address Kennametal’s concerns and to fulfill their request for an additional sampling outfall. They have requested that a second outfall be added to the permit so that they can isolate their beneficial reuse discharge from MFG #2 Cooling Tower. Outfall specific sampling parameters have been developed and presented to Kennametal. All previously approved requirements associated with outfall 1 will remain to monitor effluent quality associated with the site’s effluent.

Kennametal was also issued an NOV related to effluent limits on 12/20/2021. A response has been received and is currently under review.

#### PENNDOT:

Correspondence has been received from PENNDOT. They have implemented short-term measures to address violations associated with their industrial discharges and are working toward the development of a long-term solution.

Site sampling is on-going with significant violations being observed after short-term operation alterations have been implemented.

Recommend conference call or meeting with PENNDOT to address continued violations.

#### Additional User Evaluation

MABB staff working to acquire background sampling information related to Friendship Village and the Bedford Fairgrounds. Meeting will be scheduled with each respective facility to discuss sampling results and corrective actions that must be implemented.

#### **FLOW METERING AT BTMA CONNECTION POINTS**

We have continued to monitor the flow at the BTMA connection points. A quarterly report will be provided in May.

## **CHEMICAL FEED OPTIONS FOR WWTP**

The project is currently out to bid with the bid opening scheduled for March 28<sup>th</sup>. We will review the bids and have an award recommendation for the April meeting.

## **SEWER RELINING BEHIND MOUNTAIN VALLEY APARTMENTS**

The section of 18” sanitary sewer main along the river was relined in November by Performance Pipelining, Inc. (PPI) through the COSTARS system. PPI returned last month to complete relining of a manhole. They intend to line the Authority’s portion of the only lateral that is connected to the main in this section and install a “Vac-A-Tee” on the lateral where the observation stack typically is located for an additional cost of \$1,800, as approved last month. The property owner will be responsible for testing and repairs between the tee and the building. It is not likely this line will pass a test because videos show that it is clay pipe and there is quite a bit of clear water coming down the line. Having the tee in place will allow the Authority to monitor these flows.

## **BTMA AREAS 5 & 6- CARA HEIGHTS/SUNRISE TERRACE & SUNNYBROOK/ HAFER**

Permit applications are submitted for these sanitary sewer extensions that will add approximately 150 customers to the system. The BTMA has not decided when construction will proceed.

Solicitor Crabtree joined the meeting at 3:55 p.m.

## **WATER**

### **J.C. SMITH RESERVOIR DAM/WATER SYSTEM EVALUATION**

Continued coordination with the team from Rizzo has occurred. They have been working steadily on the proposed crest leveling, earthen buttressing, spillway design and stability analysis. On-site soil condition verification occurred last week with the assistance of the Authority staff.

Rizzo provided drawings to Stiffler McGraw. SMA is now working through survey related tasks to address the need for property acquisition. As this survey information is finalized, we will provide MABB with the necessary documents to support property acquisition.

Design drawings for the crest have been prepared and we would like to schedule a meeting to discuss property acquisition and vehicular access points with your staff as soon as the updated survey information has been completed.

Manager Diehl added that invoices for this project, as well as others, have been coming in and asked the Authority to please consider a Line of Credit (LOC) to hold the Authority over until PENNVEST funding has been secured.

Motion was made by Mr. Leibfreid, seconded by Mr. Myers, to authorize seeking a one million (\$1,000,000) dollar Line of Credit for the WTP Chemical Feed Project, Cast Iron Pipe Replacement Project

Phase 2, and the J.C. Smith Reservoir Dam/Water System Evaluation. Motion carried by unanimous vote (5-0).

### **HIGH HAZARD POTENTIAL DAMS**

MABB received correspondence from the DEP's Department of Dam Safety that offered a \$612,323 grant (65% of the eligible costs) toward the cost of design and this offer has been accepted. A second grant offer came a few days later for \$144,000 to be used toward the design of the Todd Springs Dam, which is significantly less than the amount requested. MABB has opted to utilize the available funds to complete Phase 1 of the design. A discussion needs to take place with the grant administrator to determine whether a separate Phase 1 ESA needs to be authored or whether a limited notice to proceed can be utilized relative to the existing ESA. Upon verification of this point, SMA will provide all necessary documentation to support the grant administration. There has not been any communication with DEP on this in the past month.

### **CHEMICAL FEED OPTION AT WTP**

The scope of the MABB water treatment plant chemical feed improvements project includes the design and permitting of two proposed freestanding structures. One structure shall account for the storage and feeding of the current chemicals utilized at the water treatment facility. The second structure will provide the ability to feed sodium bicarbonate, should MABB choose to do so. The project will include all required interconnection piping between the proposed chemical buildings and the intended chemical injection locations.

The scope shall also include modifications to the existing water treatment facility including renovation of the restrooms, modifications to the handrails and other identified code deficiencies referenced in the water system evaluation report completed by SMA.

At the request of MABB, we have provided an Engineering Services Agreement for consideration by the Authority at today's meeting.

Motion was made by Mr. Leibfreid, seconded by Mr. Chris Bullington, to authorize signing of the Engineering Services Agreement for the WTP Chemical Feed Project. Motion carried by unanimous vote (5-0).

### **DEP REGULATORY ASSISTANCE**

SMA staff continues to assist the MABB operational staff with updating and generating several reports and plans required by the DEP. Among the things we have been working on are:

- Source Water Protection Plan- ongoing. 50% complete. Kurt Wagner, PRWA, is compiling potential source contamination (PSOC) inventory for the MABB watershed lands and the Wolfsburg Intake drainage basin. 3rd meeting is set for Wednesday, April 6<sup>th</sup> at 10 a.m.

## **CAST IRON PIPE REPLACEMENT (CIP) – PHASE 1**

Because the contract bid came in lower than anticipated, PENNVEST revised the funding package to include \$640,565 Grant and \$407,823 Loan for the first phase of the cast iron pipe replacement. The loan closing was completed on March 9<sup>th</sup>. The Kukurin bid was \$716,716.00.

We have discussed the possibility with Kukurin of holding off until summer to do the project to avoid any issues with disrupting school bus traffic. They may do that since they have some other contracts with our firm that they will do first.

## **CAST IRON PIPE REPLACEMENT (CIP) – PHASE 2**

At last month's meeting, the Authority directed SMA to begin some limited preliminary design work on a larger cast iron pipe project to have a project ready to pursue funds that are expected to become available later this year from the infrastructure bill. We have provided an Engineering Services Agreement for the Authority to consider for this project.

Motion was made by Mr. Chris Bullington, seconded by Mr. Leibfreid, to authorize signing of the Engineering Services Agreement for the Cast Iron Pipe Replacement (CIP) – Phase 2. Motion carried by unanimous vote (5-0).

## **STORMWATER**

### **SOUTHWEST BOROUGH FLOODING**

Many homes in the southwest portion of the Borough have experienced severe flooding and washouts, and there have also been issues in areas below the Barclay Manor Development. These have been ongoing issues for many years. It appears that a significant portion of this runoff is coming into the Borough from development within the Township. We last met with the Township Supervisors, PENNVEST and DEP representatives to discuss funding options for potential projects on Monday, July 29, 2019. We learned about what types of projects would be eligible and how they could potentially be funded.

A follow-up meeting was held on September 10, 2020, and it does not appear that the Township has done a significant amount of work toward correcting the situation. However, we learned that the Township is working to obtain a grant to construct some stormwater detention facilities at the southern end of the Borough. We have been assisting their effort by providing any information we have on homes that have been flooded in the southwestern Borough. We have not received any recent updates on this.

Following the recent flooding that occurred in the King Street/Lafayette Avenue area, SMA provided a copy of a concept plan that was prepared back in 2005, which, if implemented, should help to reduce the frequency of flooding in this area.

SMA performed internal televising of storm sewers in the areas where flooding has been occurring. Several defects in the piping were noted and this information was passed along to Manager Diehl.

## **NORTH STREET/ORCHARD WAY STORMWATER**

We received a letter from the Township Engineer describing how they examined this area and they do not believe that the Township is significantly contributing to the storm water issues. We looked at this area again during one of the recent rain events. Based on what we saw, and took pictures of, we do not necessarily agree with the Township Engineer's assessment; however, the runoff from the Township should continue to be monitored in this area. It appears the implementation of the potential storm sewer projects downstream of this, discussed last year, would significantly help the current situation.

## **STORMWATER FEES**

We have finished collecting data for the development of a stormwater fee system to generate revenue for future projects and will be providing a handout at the meeting to discuss options.

Mr. Cooper presented a cost analysis and Manager Diehl will add it to the April agenda for further discussion.

## **SUPERINTENDENTS' REPORT(S):**

Mr. Ford noted that contractors have been reaching out regarding the sewer lateral pressure testing and that spring clean-up is beginning.

Mr. Whitmore briefed the Authority on an electrical repair at the Sunnyside tank that will occur this week, as well as quarterly meter reading and upcoming reservoir maintenance. New employee Dustin Hoffman is settling in well.

Mr. Flick added that there is nothing new to report at the WWTP. Work on the industrial discharge program is on-going, as is the bio-solids program.

## **BOROUGH MANAGER'S REPORT:**

Manager Diehl noted that requests have been received for MABB to enroll as a vendor in the Low-Income Household Water Assistance Program (LIHWAP).

Manager Diehl also noted that no local banks are participating in the PENNVEST loan program. Ms. Hizer added that customers can still apply for PENNVEST loans, but they will have to contact the phone number listed on the brochure that will be included in the letters mailed to property owners.

Manager Diehl reminded MABB that the rules and regulations must be adopted prior to sending out letters to property owners, as there is specific language regarding sewer lateral testing that will need to be in place. Requested revisions will be made and a revised draft will be emailed for approval, with formal approval added to the April agenda.

Motion was made by Mr. Leibfreid, seconded by Mr. Chris Bullington, to authorize reinvesting the Altoona First CD in the amount of \$266,799.41 into a Money Market account at Altoona First at .50%. Motion carried by unanimous vote (5-0).

Manager Diehl provided an update on the solar panel project, along with a draft response to RER. RER would like to change the scope of the original project, which is now several years past the anticipated completion date. Mr. Cooper added that the information received from RER changes and Manager Diehl noted RER will need to soon ask for another extension.

Manager Diehl asked Solicitor Crabtree for information on properties located within Bedford Township, but serviced by MABB sewer, and how the sewer lateral testing requirement for property transfers would come into play at the time of sale for these few properties. Solicitor Crabtree stated an intermunicipal agreement with the Bedford Township Supervisors would be the proper way to handle this situation and he would reach out to the Supervisors about the matter.

There being no further business, a motion to adjourn was made at 4:38 p.m.