

**MINUTES OF THE MEETING  
DERRY TOWNSHIP MUNICIPAL AUTHORITY  
670 CLEARWATER ROAD  
HERSHEY, PA 17033  
MONDAY, AUGUST 22, 2022**

The Derry Township Municipal Authority Board held its regular meeting on Monday, August 22, 2022, in the Conference Room of the Authority's Administration Building, 670 Clearwater Road, Hershey, Pennsylvania. The meeting was also available to Board members, Consultants and Advisors, and the general public virtually through GoToMeeting. Chairman Feidt called meeting to order at 6:00 p.m.

**ROLL CALL**

Attendees	In-Person	Virtually
<b>Board Members</b>		
John Canavan		
Michael Corado	X	
Charles Duncan ( <i>Arrived at 7:44 p.m.</i> )		X
David Feidt	X	
Ronald Furlan	X	
Brian Link ( <i>left meeting at 7:44 p.m.</i> )		X
Carter Wyckoff		X
<b>Staff</b>		
William Rehkop (Executive Director)	X	
Kimberly Bloom (Deputy Director)	X	
Michael Postick (Staff Engineer)	X	
Michael Shambaugh (Network Systems Manager)	X	
Dennis Beck (Comptroller)	X	
Sarah Ryan (Stormwater Program Manager)		X
<b>Consultants</b>		
Matt Bugli (Dethlefs Pykosh)	X	
Colin O'Brien (Brown and Caldwell)		
Josh Fox (HRG)	X	
<b>Other Attendees</b>		
Kevin Fox (Resident)	X	
Ashley Wise (Conrad Siegel)	X	

**PUBLIC COMMENT**

There was no public comment at this time.

**APPROVAL OF PREVIOUS MINUTES**

R. Furlan made a motion to approve the Minutes of the June 27, 2022 Board meeting. M. Corado seconded. The motion passed unanimously by voice vote.

**APPROVAL OF TREASURER'S REPORT AND BILLS FOR PAYMENT**

Staff presented the June and July Bills for Payment and Treasurer's Reports for approval. R. Furlan made a motion to approve the reports, seconded by M. Corado. The motion passed unanimously by voice vote.

## **STAFF UPDATES AND REPORTS**

### ***EXECUTIVE DIRECTOR'S REPORT – BILL REHKOP***

#### **AWARD OF US EDA GRANT**

The Director noted that DTMA received a commitment letter for a \$3.5 million grant for upgrades to the Southwest Wastewater Treatment Plant which will support growth in the Londonderry Township Rt. 230 region, Lower Swatara Fulling Mill Road area, as well as additional growth in Derry Township along the Middletown Road area. A press release is being prepared for circulation.

#### **DCIB LOANS ACCEPTANCE**

Staff submitted the offer letter for the two loans. A resolution will be prepared for the September meeting that will contain the final numbers for each loan. The interest rate will be a net rate of 1.74%.

### **EXECUTIVE SESSION**

The Board recessed into Executive Session at 6:05 p.m. to discuss a matter regarding potential litigation with a developer on a sewer capacity related issue with a neighboring municipality and an informational presentation on the Authority's pension plan. The Board reconvened the regular meeting at 7:40 p.m. The Chairman announced that the Board has requested additional information from Conrad Siegel regarding pension plan matters.

### **NEIGHBORING TOWNSHIPS UPDATE**

#### **LONDONDERRY TOWNSHIP**

##### **Londonderry Estates Development – Low Pressure Sewer Project**

The low pressure system installation is complete and is operational. Notice to Connect Letters were sent to the residents on May 4<sup>th</sup>. The Sewer Capacity Purchase Agreement has been fully executed by the Township and DTMA, setting forth the number of connections and applicable tapping fees for this residential community. Payment from the Township for the capacity fees and special purpose fees in the amount of \$260,000 for connection of the 50 residential customers is still forthcoming.

DTMA Staff is working with each resident to obtain a building sewer connection permit and execute their Grinder Pump Agreement. To date, 46 out of the 50 residential customers have received a building sewer connection permit. 23 customers have installed their private sewer laterals to the low pressure system.

##### **S.R. 230 CORRIDOR SEWER EXTENSION PROJECT**

Wexcon continues construction of the water and sewer system installations along S.R. 230. According to the most recent progress meeting on August 15<sup>th</sup>, final completion is anticipated by November 2022. Progress delays are a result of extended delivery lead times for materials and electrical components associated with the pump stations.

Solicitor Pykosh and Staff are currently drafting the IMA to serve the SR 230 corridor for the Township's review and comment. The IMA will need to be fully executed prior to the completion of the sewer system installation and dedication to the Authority.

The Director met with Steve Letavic, Township Manager, and Andrew Kenworthy, HRG, on August 18<sup>th</sup> to discuss the next phasing of the residential and commercial sewer connections along SR 230. Mr. Letavic's preference is to proceed with the connection of the three (3) mobile home parks (MHPs) in the next phase.

Mr. Letavic was informed that the Southwest Plant has available capacity to accept additional flows from at least two of the MHPs prior to the completion of the Southwest Plant upgrade. There has been communication to date with the owner's representative of the Pine Manor and Cedar Manor MHPs to connect to the SR 230 sewer system. It is agreed that a short- and long-term sewer phasing plan along SR 230 should be developed in collaboration by both entities (Township and DTMA) and to help residential and commercial establishments understand the timing of the availability for public sewer. HRG will provide assistance in development of the SR 230 future sewer planning.

#### **LOWER SWATARA TOWNSHIP**

Staff is working with the Township and a developer on a legacy project that had purchased capacity years ago for an extension to an existing development. The developer had not previously submitted a land development plan for this project, but is now intending to move forward. Details will be worked out with the Township and developer to revisit the terms of the capacity purchase.

#### **SOUTH HANOVER TOWNSHIP**

A meeting was held on July 6<sup>th</sup> with representatives from South Hanover Township (SHT), HRG, and DTMA Staff to discuss the preliminary findings of the capacity analysis and review its concerns with the current approach to upgrade the Swatara Creek Pump Station Force Main.

SHT plans to replace and up-size the existing 10-inch diameter force main to a 16-inch diameter force main only at this time. The Swatara Creek Force Main currently ties-in directly to the Raw Influent Pump Station force main upstream of the Headworks facility. The new force main is planned to be re-routed and connected at a new location along the Spring Creek Interceptor (SCI) within the plant site. The upsizing of the force main will slightly increase the pumping rate and the contributing flows to the Clearwater Road Plant, which will have minimal impact to the Authority's operations.

The existing pump station is planned to be upgraded in the future as necessary to serve future growth and land development. The pumping rate would be increased from 2.09 MGD to 4.44 MGD. Staff expressed its concerns regarding the potential for hydraulic overloading of the Clearwater Road Plant and the SCI during peak flows as a result of the pumping rate increase. HRG's hydraulic modelling results suggest that the Authority's system, downstream of SHT's force main connection, does not have additional capacity to handle the future peak flows especially during extended periods of wet weather. Staff recommended that the pumping rate be limited to 2.09 MGD and that the SHT continue to identify and reduce sources of inflow & infiltration (I&I) in order to reduce hydraulic overloads.

DEP is requiring SHT to submit an Act 537 Plan Update - Special Study to support the upsize of the force main diameter as well as the future build-out and associated pump station capacity needs. At this time, we do not support certifying capacity in the system to accommodate SHT's future build-out, to include a pumping rate of 4.44 MGD, without addressing the I&I within their sewer system.

#### **CONSTRUCTION CONTRACTS UPDATE**

The Director provided the following report for current contracts.

#### **Clearwater Energy Enhancements Project [Contracts 2020-02G, 2020-02E, 2020-02H]**

The monthly construction progress meetings were held on July 26<sup>th</sup> and August 17<sup>th</sup>. The next meeting is scheduled for September 27<sup>th</sup>. All three Contractors continue to progress with construction. Eastern Environmental continued to progress with placement of driveway and site grading, waste gas burner,



exterior gas conditioning equipment piping, CHP Building interior piping and HVAC/Radiator, and exterior pipe support bases. They completed installation of the Secondary Digester mix pump and overflow piping.

Heisey Mechanical (Heisey) continued their work with exterior ductwork and piping insulation. Pagoda Electrical (2020-02E) completed the section of exterior electrical duct bank installation along the gas conditioning equipment, completed the power supply connection between PC2 and the CHP Building Cogen Control Panel, and continued with conduit wire pulling and landing.

The Contractors, DTMA Staff, BC and RK&K are currently reviewing and finalizing the plans and schedules for commissioning and startup of the project process equipment. Commissioning is anticipated to begin in late October. Project schedule delays continue to be a factor. Upon review of the six-month recovery schedule, the Director noted that an additional 95 days of delay have been added to that delay. Staff is not confident that the final completion date tentatively set for February 16, 2023 is even realistic. Staff and BC continue to press Eastern Environmental for reasoning behind the delay and for solutions to recover part of the schedule and/or limit further delays.

#### Raw Sewage Pumps Replacement [Contract 2020-03]

Progress on this project remained minimal during the reporting period, as both contractors continue with equipment deliveries and await a replacement of the damaged emergency power ATS, which is now expected to be available the first week of September. DTMA Staff witnessed a successful factory acceptance test of the project's Control Panel and pump variable frequency drive systems on August 3<sup>rd</sup>.

#### ESD Cladding System [COSTARS]

Construction work for this project is now complete, with Kappe Associates, Inc. providing a letter on August 12<sup>th</sup> indicating completion of the work and submission of closeout documents. A final inspection of the work will be scheduled to determine if final acceptance is warranted and the project can be closed out, or if any minor punchlist items remain.

#### Primary Sludge Pump Replacement Project [Contracts 2021-01G, 2021-01E]

On August 10<sup>th</sup>, HRG and Staff inspected the work to date, noting some minor items outstanding. JP Environmental subsequently completed approximately 95% of the work as of the week of August 15<sup>th</sup>. With that, DTMA will complete related SCADA work relating to the DTMA supplied project equipment. The remaining final work by JP Environmental and final startup will be completed by month's end.

#### 2021 Sanitary Sewer and Storm Sewer Rehabilitation Project

Work has been completed under both contracts, and contract closeout documents have been sent to both contractors. Farhat Excavating (Farhat) has returned the electronic copies, while the originals are forthcoming. HRG is recommending approval of Change Order No. 2 - Final for Contract 2021-03A to reconcile the differences in actual quantities installed and to remedy the costs associated Work Change Directives 2 thru 4 in the total amount of \$22,846.00.

#### Spring Creek Interceptor Upgrade Project [Contract 2022-01]

Ankiewicz Enterprises (Ankiewicz) and HRG are currently working through the submittal review and approval process. Ankiewicz recently indicated they anticipate starting work the week of September 12<sup>th</sup> upon delivery of the piping and manholes. HRG will follow-up with DTMA staff when a formal schedule is received and reviewed. DTMA Staff and the DTMA Solicitor are also continuing to work on finalizing easement agreements with related private property owners (e.g. Hershey Co., Silos).

### ENGINEERING STATUS REPORT

#### Southwest WWTP Upgrade and Expansion Project (Phase 1)

On August 17<sup>th</sup>, DTMA received notification from the US Department of Commerce Economic Development Administration (EDA) that the Financial Assistance Award of \$3.5 million has been approved and granted to DTMA. Staff will execute the related documents and will work with Hazen to incorporate EDA requirements into the bidding documents. A meeting with Hazen is scheduled for August 23<sup>rd</sup> to review the next steps to finalize the bidding documents.

#### High Meadow Pump Station Replacement

The preliminary design for the pump station and force main layout is underway. The HRG project team is working towards finalizing the preliminary design at a conceptual level for DTMA review by the end of August. Kleinfelder Geotechnical Engineering is scheduled to complete the required test boring at the proposed pump station site by the end of August. An exact date will be coordinated with DTMA Staff.

#### South Hanover Township Line Upgrade

A meeting was held on July 6<sup>th</sup> with representatives from South Hanover Township to discuss the preliminary findings of the capacity analysis developed by Staff and HRG and to review concerns with the current approach to upgrade the Swatara Creek Pump Station Force Main. No follow-up correspondence has been received following the meeting.

#### Standard Construction and Materials Specifications

HRG met with DTMA Staff on July 6<sup>th</sup> to review and address comments on the technical specifications. The revised and updated version of the standard specifications and construction details document has been finalized and will be submitted to DTMA Staff the week of August 22<sup>nd</sup>.

#### Maintenance Garage Expansion

SGS Architects, Inc. (SGS) submitted a revised and further developed review set of the garage expansion design plans. Staff has reviewed the plans and is making final determinations on room areas, computer/AV equipment locations and requirements, locker room sizes, etc. A plan showing the site development improvements external to the building that are needed to accommodate the garage expansion is forthcoming from SGS. Staff will also be meeting with SGS and Derry Township to discuss any concerns the Township has with respect to garage expansion within a flood-prone area.

#### Southwest WWTP Headworks Evaluation and Permitting

HRG met with DTMA staff on July 5<sup>th</sup> to review the final Headworks Evaluation Report. HRG and Staff discussed the findings of the report and the recommended alternatives. Based on this discussion, Staff requested HRG prepare a Request for Proposals (RFP) for distribution to various equipment manufacturers to finalize COSTARS equipment procurement contracts. HRG is currently finalizing the RFPs and anticipates distribution to manufacturers by August 19<sup>th</sup>. HRG will review the proposals received and anticipates making a recommendation to DTMA Staff prior to the September Board meeting.

#### Biosolids Drying and Gasification Project

Staff and Brown & Caldwell (BC) continue to move forward with planning and design efforts for the biosolids drying and gasification project. On July 26<sup>th</sup>, BC and Staff met with PADEP to discuss the required permitting applications. DEP is requiring a NPDES Water Quality Management (WQM) Part II permit application for the biosolids drying and gasification facility. Future plans to accept trucked-in biosolids from neighboring municipal plants will require a Municipal Waste General Permit (WMGM065).



On August 16<sup>th</sup>, Kappe Associates, Inc. (Kappe) submitted a draft COSTARS proposal for the sale and installation of the Ecoremedy Biosolids Drying and Gasification System in the amount of \$8,715,00.00. The proposal is currently under review by Staff, BC, and DTMA's solicitor.

#### STORMWATER PROGRAM MANAGER'S REPORT

##### Derry Township Parks Water Quality Improvements – Bullfrog Valley Stream Restoration

The Deer Run Stream Restoration Project received Pennsylvania State Programmatic General Permit-6 (PASPGP=6) approval from US Army Corps of Engineers. Approval from PA DEP is expected soon.

At the previous Board meeting in June, the Board approved to award the bid for the Bullfrog Valley and Deer Run Stream Restoration Projects to Aquatic Resource Restoration Company (ARRC). All contract documents have been reviewed by DTMA's solicitor, HRG, and Staff, and found to be acceptable. The Pre-Construction Meeting is scheduled for August 29, 2022 with ARRC, Staff, and HRG, who will propose to provide Construction Phase Services for this construction contract. Upon completion of the Pre-Construction Meeting, the second payment for the Memorandum of Understanding (MOU) with Hummelstown Borough will be invoiced.

##### 2021 BMP Retrofits (Stoney Run Basins 1 and 2 and Brookside Park)

For Brookside Park, the upwell riser was acquired and construction has resumed. The spillway structure has been dredged, helping it to function as designed in low flow conditions. Weather permitting, the riser installation is expected to be completed within the next 7 days, after which final grading, mowing, and re-seeding will occur. Staff has coordinated with Township Staff to develop a long-term vegetative maintenance plan, so that regular lawn maintenance will occur in specific areas of the basin, while other areas remain naturalized.

##### Forest Avenue Basin and Swale Improvements

After field investigation of other utilities, the final design may need to be altered due to the location of a PPL Right-of-Way (ROW) identified by field survey. Design decisions to address the newly identified location of the PPL ROW will be made as soon as possible in order to move the project forward. Once the Forest Avenue design is finalized, this project, combined with the Oakmont Community Basin Retrofit/Wood Road Culvert Replacement, will be advertised for Bid. Estimated start of construction is Fall 2022.

##### PRP Amendment

The amended PRP is available for Public Comment until Friday, September 16, 2022. The required Public Meeting will be held Wednesday, September 7, 2022, at the Hershey Public Library at 701 Cocoa Avenue in Hershey. It will be submitted with the MS4 Annual Report due September 30, 2022. The portions of the draft related to the Bullfrog Valley Stream Restoration Project have been shared with Hummelstown Borough for their PRP Amendment.

##### Shank Park Entrance Culvert Replacement

Township Staff have agreed to the conceptual design for the replacement of the existing culvert. Staff will continue coordinating with Township Staff to ensure replacement of these culverts impacts Park activities as minimally as possible.

#### United State Army Corps of Engineers (USACE) Storm Sewer System Survey

USACE will be providing a proposal to expand upon their flood study of the unnamed tributary, commonly referred to as Laurel Run, which flows through Brookside Park, Cambridge Commons, and under the School District baseball fields before daylighting and converging with Spring Creek near Para and East Chocolate Avenues.

#### Oakmont Community Basin Retrofits

In addition to retrofitting the basin and rock swale, this project will replace the failing culvert under Wood Road at Limerick Lane and will protect downstream sanitary sewer infrastructure. This project will be bid with the Forest Avenue project with an estimated start of construction in Fall 2022.

#### The Meadows Outlet Structure Replacement

Construction activities are completed.

#### Ridge Road Drainage Improvements

Subsurface Utility Exploration is underway to ensure construction can proceed on schedule, once it has begun. The Dauphin County Infrastructure Bank (DCIB) General Program funds have been awarded and accepted. Additional funding is being sought for this project through the Dauphin County Local Share Municipal Grant Program. If awarded, these grant funds will be used to help offset the debt service payments in 2023 for the DCIB-G loan.

#### 2021 Sanitary and Storm Sewer Rehabilitation Project (shared project with wastewater)

This project is discussed in this month's Construction Contracts memorandum.

#### Capital Improvement Planning and Stormwater Fee Rate Study

To efficiently and equitably address the many stormwater needs throughout the Township, a Capital Improvement Plan for Stormwater-related projects will be developed. A review of the current Stormwater Fee, which was initiated 5 years ago, is required to assess if it is at a sustainable rate, given current and projected costs. Staff recommends approval of Resolution No. 2022-43 - Confirmation of Assignment to HRG for Stormwater Fee Rate Study and Analysis.

#### Miscellaneous Projects and Activities

DTMA Staff continues to work on projects and tasks to ensure compliance with its MS4 permit and provide service to customers, including:

- At State Representative Greg Vitali's request, Staff met with Representatives Vitali, Joseph Hohenstein, and Thomas Mehaffie to discuss MS4 in Derry Township;
- Discussion with PMAA solicitor on the topics of Stormwater Easements and how the Municipal Authorities act relates MS4 Stormwater Program Management.
- Discussions with DEP representatives related to the PRP Amendment and MS4 Permit Renewal.
- Coordinating with Township Staff to revise the Township Stormwater Ordinance (Ch. 174);
- Meeting with various Township residents and HOA groups to discuss ongoing Stormwater issues throughout the Township.

#### ITEMS FOR ACTIONS

**Resolution #2022-41 – Ratification of project payments from the 2020 Capital Project Funds:** Staff reviewed the payments from the 2020 Capital Project Fund requiring Board ratification. This resolution



was then approved on a motion by R. Furlan, seconded by M. Corado. The motion passed unanimously by voice vote.

**Resolution #2022-42 – Approval of Change Order #2 with Farhat Excavating for the 2021 Sanitary Sewer and Storm Sewer Rehabilitation Project:** This resolution was approved on a motion by R. Furlan, seconded by M. Corado. The motion passed unanimously by voice vote.

**Resolution #2022-43 – Approval of HRG Confirmation of Assignment for the Stormwater Fee Rate Study:** This resolution was approved on a motion by R. Furlan, seconded by M. Corado. The motion passed by voice vote. D. Feidt abstained from voting due to a business conflict with HRG.

#### **NEW BUSINESS**

The Director noted that DTMA will be submitting a 2022 Local Share Municipal Grant Application. The Authority would not typically be eligible for this type of Gaming grant, but with the award of the DCIB grant the Authority is now eligible.

DTMA received a Gold Award for peak performance of its plant from the National Association for Clean Water for having no permit violations in the prior year. If DTMA receives five consecutive Gold Awards, then we would be eligible for the Platinum Award.

#### **PUBLIC COMMENT**

There was no public comment at this time.

#### **ADJOURNMENT**

With no further business to come before the Board, R. Furlan made a motion to adjourn the August 22, 2022 public meeting at 8:23 p.m., seconded by M. Corado. The motion passed unanimously by voice vote.

  
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(Assistant) Secretary