

**EAST BRANDYWINE TOWNSHIP MUNICIPAL AUTHORITY  
WORK SESSION  
JUNE 28, 2019**

**Those in Attendance:**

Michael Corbin, Chairman  
Sandra Moser, Vice Chairman  
David Summers, Treasurer  
David Whelihan, Member  
Thomas McClung, Member

**Also in Attendance:**

Luke Reven, Assistant Township Manager  
Thomas Oeste, Esq., Municipal Authority Solicitor  
Joseph Boldaz, Municipal Authority Engineer  
Jan C. Bednarchik, Recording Secretary

The Municipal Authority work session of Friday, June 28, 2019, was called to order at 8:03 AM in the East Brandywine Township Municipal Building by the Chairman. There were no visitors.

**Keats Glen**

Mr. Boldaz obtained an estimate of \$3,600 from a COSTARS vendor to clean and televise the collection system. Mr. Corbin recommended this work be postponed until it is determined whether equipment upgrades need to be budgeted to address the high ammonia levels and improve overall operations. Mr. Boldaz will consult with the operator about improvements needed in addition to his suggestion of a small UV treatment system for disinfection.

Representatives of the Authority, Hydraterra and EEMA met with Ryan Dugan of the EPA and Dave Wolfinger of DEP on 6/11/19 to discuss past operational issues. Information was provided to Mr. Dugan to assist with his investigation.

**Applecross**

The carbon replacement project is complete. Samples of the spent carbon were taken at three different levels, and the lab results are expected to be made available today. Coyne Chemical will return to remove some leftover bags of carbon and will make arrangements for removal and disposal of the spent carbon.

MGK Industries submitted a revised quote of \$7,945 to rotate the hatches in the screening room and install safety grating, install safety grating over the hatch openings over the decant EQ tank and the influent pump tank, and install lighting over the existing disk filter. Mr. Corbin moved to approve the quote from MGK Industries subject to adding a payment clause and timeframe for completion. Mrs. Moser seconded the motion, which carried unanimously.

The Effluent Pumping and SBR #3 Modification project is proceeding. Installation of the pump equipment has been delayed until late August due to damage that occurred when unloading one of the pumps. The control panel is installed and most of the SBR #3 equipment has been installed.

Hydraterra consulted with the golf course operator about their request for treated effluent and how it might be provided to them while the plant is temporarily discharging to the stream during the SBR #3 project. The size of the gas or diesel pump needed to handle the volume was ruled out as too noisy and costly to operate. Consideration is being given to filling the filtrate tank and pumping it to the lagoon, which requires manual operation. The logistics to implement the manual operation is being discussed with EEMA and Eastern Environmental Contractors.

Hydraterra submitted a revised Capacity Management Plan (CMP) to DEP by letter dated 6/20/19. The revised CMP references capacity additions for the Guthriesville/Hopewell area, which was connected in 2013, and the capacity added for the 2012 construction of the Applecross Drip Disposal area. The Maplevew Water Quality Management Application also references these two capacity additions.

Mr. Boldaz is awaiting photos of the construction debris that caused damage to the channel grinder from Dave Friedman to include with the letter to Pulte Homes requesting reimbursement.

Mr. Boldaz reported that data from Pump Station B showed a significant reduction in the amount of inflow from Applecross since the manhole inserts were installed on the public side of the collection system. Peak flows continue to occur during rain events that could be attributed to sump pumps on the private side from Applecross and/or Guthriesville/Hopewell.

### **Hide-A-Way Farms**

The Bulk Sewer Agreement with Aqua Pennsylvania Wastewater, Inc., was approved at the last meeting, subject to clarification of the written bulk rate amount of \$13.50 per 1,000 gallons in Section 7.a and clarification of the language in Section 8 (Capital Expenditures). A clean copy of the Agreement will be provided for signature at the next meeting.

Several punch list items remain to be completed prior to dedication. Hydraterra is trying to obtain pump station data from Aqua to determine whether the improvements to the collection system have adequately addressed the inflow and infiltration issues. Mr. Boldaz recommended EEMA be asked to operate the pump station once the Authority accepts dedication. The Authority plans to meet with the Homeowner's Association at least two months prior to dedication to discuss the transition to municipal billing and the change in user rate.

### **The Estates at Dowlin Forge (a.k.a. Hillendale)**

Installation of the sanitary sewer collection system is complete except for testing of the facilities. The leakage testing and the backfilling of the treatment tanks has been satisfactorily completed. The disk filter was recently delivered and placed on the working floor of the treatment plant. Additional mechanical equipment will be delivered and installed over the next two weeks and then

construction of the treatment plant will begin. Color selections for the treatment plant as recommended by Matt VanLew to coordinate with existing facilities were approved.

Metropolitan Development Group submitted a Phase 2 Escrow Release Request No. 1 for work completed on the treatment plant as of 6/25/19. Hydraterra reviewed the request and issued a letter on 6/25/19 recommending approval of the release in the amount of \$931,001.50. The amount remaining in the escrow account after the release, including retainage, will be \$3,752,177.47. Mr. Corbin moved to approve the Phase 2 Escrow Release Request No. 1 based upon the recommendation of the Authority Engineer. Mrs. Moser seconded the motion, which carried unanimously.

Metropolitan Development Group submitted a Phase 1 Escrow Release Request No. 2 for work completed on the sanitary sewer collection system as of 6/25/19. Hydraterra reviewed the request and issued a letter on 6/25/19 recommending approval of the release in the amount of \$18,558.13. The amount remaining in the escrow account after the release, including retainage, will be \$109,315.68. Mrs. Moser moved to approve the Phase 1 Escrow Release Request No. 2 based upon the recommendation of the Authority Engineer. Mr. Corbin seconded the motion, which carried unanimously.

Metropolitan Development Group requested a preconstruction meeting for the treated effluent disposal area on 7/02/19, at 9:00 AM. DEP will attend the meeting to analyze the soil composition. Clearing is underway for installation of the drip tubing. Hydraterra would like to see two of the three disposal areas installed and serviceable before the treatment plant goes online.

Ebert Engineering submitted a Pump and Haul Revision Application proposing to add a second pump and haul location for Lots 99 and 100, where wastewater would be conveyed by gravity to Pump Station No. 2. Since Pump Station No. 2 is not yet operational, the developer proposes to temporarily plug the outlet of Manhole No. 38, so the wastewater will be stored within the gravity sanitary sewer between Manhole No. 36 and Manhole No. 38. The Pump and Haul Agreement has not been revised for this Application as there is no proposed increase in the number of units. The application will be reviewed by Hydraterra.

Hydraterra reviewed the Pump and Haul Report for the month of May and will be issuing a review letter to Ebert Engineering noting discrepancies found.

The Township has received two requests from homeowners on Tucker Drive to construct decks either within or overhanging the sewer easement in their rear yard. One request proposes a 10 ft. encroachment into the easement and the other proposes a 4 ft. encroachment into the easement. Mr. Boldaz advised against granting any relief because the sewer line is at least 18 ft. deep in this area, and a trackhoe would be required to perform any maintenance or repairs. It was also noted that the properties in question have room for a smaller deck without encroaching on the sewer easement. Therefore, the Authority took the position that no waivers of the setback requirement would be granted.

## **Mapleview**

All gravity sewer construction in Phase I has been completed. Construction of the pump station is ongoing. The contractor is also preparing to bore under Horseshoe Pike for the intersection construction.

Gladwyne BH Investments submitted a Phase 1 Escrow Release Request No. 1 for work completed on the gravity sewer collection system as of 6/15/19. Hydraterra reviewed the request and issued a letter on 6/25/19 recommending approval of the release in the amount of \$302,316.70. The amount remaining in the escrow account after the release, including retainage, will be \$1,959,230.24. Mrs. Moser moved to approve the Phase 1 Escrow Release Request No. 1 based upon the recommendation of the Authority Engineer. Mr. Summers seconded the motion, which carried unanimously.

Mr. Corbin left the meeting at 9:17 AM, and Mrs. Moser chaired the remainder of the meeting.

## **Weaver Tract**

Nancy Sansoni, the soils specialist at DEP, will notify Hydraterra when a meeting is scheduled to discuss the drip system and the soils testing.

## **Plank Farm and Middle School Projects**

Vic Kelly of Commonwealth Engineers has inquired about the reservation of capacity for the proposed school project on the north side of Route 322. Mr. Oeste advised of the need to establish a policy for reserving sewer capacity and amend The Authority Standards, Rules and Regulations adopted by Resolution No. 1 of 2017 to include the reservation of capacity policy.

Mr. Reven noted that the proposed ordinance amendment to allow for a school in the Mixed Use (MU) Zoning District was submitted to the Chester County Planning Commission for review.

Mrs. Moser reiterated her concern about the challenge of installing drip irrigation on the proposed school site after the school is built, and questioned whether the drip area will serve any useful purpose in the future. Mr. Oeste also questioned the practicality of the proposed drip field and suggested some consideration be given to accepting a fee-in-lieu toward infrastructure improvements to utilize the Hide-A-Way disposal beds or some other use. He further suggested eliminating the drip field might provide more design opportunities for the school project. Alternatively, he suggested the developer be required to increase the size of the drip field for the residential project to compensate for the school site. A joint meeting may be scheduled with the Township and Authority Engineers and the developer to discuss these options.

### **Act 537 Planning Grant**

A draft letter for the Tier II site investigation has been prepared, and a draft article for the Milemarker newsletter will be prepared to answer some of the questions raised on the survey responses. Hydraterra expects to conduct the field verifications in August and September.

### **Old Business**

Mr. Oeste will prepare a draft resolution to enter into a cooperative agreement with Aqua to issue water shutoff notices to sewer customers with delinquent accounts.

### **New Business**

Mr. Boldaz and the Authority Secretary will participate in a conference call with Nancy Sansoni of DEP on 7/02/19 at 2:00 PM to discuss the Water Quality Management permit for Applecross and the recent submittal of a Water Quality Management permit application for Maplevew. Their concern is whether to address the request for a rerate of capacity by revising the existing Applecross permit or through issuance of the permit for Maplevew.

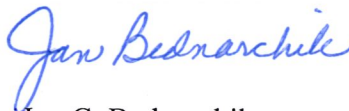
### **Public Comment**

None.

### **Adjournment**

Mr. Summers moved to adjourn the meeting at 9:40 AM. Mr. McClung seconded the motion, which carried unanimously. The next meeting is Tuesday, July 9, 2019.

Respectfully submitted,



Jan C. Bednarchik  
Secretary