

**EAST BRANDYWINE TOWNSHIP MUNICIPAL AUTHORITY
AUGUST 9, 2022**

Members in Attendance:

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

Also in Attendance:

Luke Reven, Township Manager
Matthew VanLew, Township Roadmaster
Joseph Boldaz, Municipal Authority Engineer
Jan C. Bednarchik, Recording Secretary

The East Brandywine Township Municipal Authority meeting of Tuesday, August 9, 2022, was called to order at 8:03 AM by Chairman Corbin. Other attendees included Dave Friedman and John Dean of EEMA, Sam Dever of Hydraterra Professionals, and Mike Wade.

Minutes

Mr. Summers moved to approve the minutes of the Tuesday, July 12, 2022, meeting as written. Mr. Corbin seconded the motion, which carried unanimously.

Treasurer's Report

Mrs. Bednarchik read the Treasurer's Report and provided a list of thirty-four invoices for the period of 7/13/22 through 8/09/22 totaling \$79,425.77 for approval and payment from the Operating Fund. Mr. Summers moved to approve the Treasurer's Report and pay the bills as presented. Mrs. Moser seconded the motion, which carried unanimously.

There were four settlements in July at Mapleview. The number of occupied dwellings is eighty-seven plus the model home.

Volunteer Candidate

Mr. Corbin introduced Mike Wade as a candidate for membership on the Municipal Authority to fulfill the remaining term of Mrs. Moser. Mr. Wade spoke of his experience with the wastewater process, design and instrumentation as a Professional Engineer with Keystone Engineering Group and mentioned that he has been a resident of Applecross since 2019. Mr. Corbin moved to support the appointment of Mike Wade by the Board of Supervisors. Mr. Whelihan seconded the motion, which carried unanimously. Mr. Reven noted that the nomination of Mr. Wade to fulfill the unexpired term through 12/31/26 will be an agenda item at the next township meeting on 8/18/22.

Applecross

Dave Friedman reported that the plant is running well, and all permit parameters were met in July. An issue with the filter feed pump #1 is being monitored. Maintenance items included a check of the oil level in the blowers, installation of the pump hose for the influent sampler, miscellaneous repairs and rodent control in the drip fields, and response to a low-level alarm at Pump Station A. EEMA maintenance is waiting on some parts to repair the drip filter skid. Average daily flow was 122,000 gallons, and total treated effluent was 3,769,000 gallons for the month of July.

An Aqua Aerobics representative was onsite last month to fix a programming issue that did not allow the SBR influent pumps to run during a certain stage of the SBR cycle while Storm Mode was active. Aqua Aerobics also assisted in securing a part to fix a control panel issue and has recommended that the panel PLC and HMI should be upgraded within the next year because parts are difficult to find and the existing equipment and software is no longer supported. EEMA, Michael Wade, and Hydraterra will meet with Aqua onsite to discuss the upgrade requirements and cost.

An Agreement with Martin Tree Service, LLC, in accordance with the approved bid proposal for the removal of certain dead and dying ash trees, was signed by the Chairman. Martin Tree Service will notify Hydraterra when they are able to start the work, and a preconstruction meeting will be held to review all aspects of the project, including the protective measures to be used, the disposal of woodchips, and the coordination of services to be provided by the township road department. Spray zones have been shut down in preparation for the tree cutting.

Mr. Dever presented and discussed the Quarterly Lagoon Report for the second quarter of 2022. Lagoon levels are at a higher level compared to last year because spray irrigation was discontinued to prevent mold from growing due to rain and high humidity. Lagoon levels have been decreasing since May, and the golf course operator is confident that he can gain capacity by the end of the season.

DEP issued a letter dated 7/07/22 acknowledging receipt of the Annual Groundwater Report and concluding that the facility should not adversely impact groundwater resources meant to be used as a water supply.

Keats Glen

Mr. Dean reported that the plant is running well, and all permit parameters were met in July. The lab area and storage room were cleaned. Average daily flow was 5,000 gallons, and total treated effluent was 169,000 gallons for the month of July.

Mr. Boldaz reported that the County Commissioners anticipate announcing the American Rescue Plan Act (ARPA) grant awards on 8/17/22. The project scope for the County ARPA grant application was also used to apply for a Commonwealth ARPA grant.

Estates at Dowlin Forge/Hillendale

Mr. Dean reported that the plant is running well, and all permit parameters were met in July. The transducer at Pump Station 1 was cleaned following a high-level alarm. The decant pump and blower oil levels were checked. Average daily flow was 29,000 gallons, and total treated effluent was 885,000 gallons for the month of July.

Mr. Dean contacted the neighbor who complained of odor issues to schedule a tour of the plant for later this week. Adjustments were made to the sludge holding tank aeration schedule to try to eliminate anaerobic conditions.

Mr. Boldaz indicated that the issue with the paving around the fencing at both pump stations is the last remaining punchlist item. Hydraterra previously notified Metropolitan Development Group by letter dated 6/14/22 that the paving did not extend one foot beyond the fence line in accordance with the design drawings and approved standards of the Authority. Mr. Oeste also notified counsel for the developer of this issue via email dated 7/26/22. There has been no response to date. EEMA will conduct the drip field inspection for the third quarter at the end of August and provide an update on the restored areas prior to expiration of the maintenance bond period on 11/28/22.

Nancy Sansoni, DEP Soils Scientist, was onsite to evaluate drip irrigation zones 7 through 16 on 7/18/22 and issued a report indicating that all sites were found to be in good condition and no signs of effluent discharge to the ground surface were observed in any drip area. The report also noted that a review of DMR Supplemental Land Application reports submitted for the May and June 2022 monitoring periods show that daily discharges (gallons) to all drip zones were in compliance with permit conditions.

Mapleview

Mr. Dean reported that EEMA continues to monitor the pump station, flow, and generator twice a week. Average daily flow was 9,000 gallons for the month of July.

Brandywine Walk

Hydraterra issued a letter dated 7/22/22 with numerous review comments on the design drawings pertaining to proposed public sewers bearing a last revision date of 7/15/22. Mr. Boldaz noted that a number of comments from the previous review letter had not been addressed and were raised again in the current review letter. The Special Study for the permitting of the Mapleview/Weaver combined drip disposal area was expected last month but has yet to be received. Mr. Boldaz raised concern about the lack of design information for either the standalone Mapleview drip disposal fields, which are supposed to be completed by January 2024, or the combined system.

Mr. Reven mentioned that the Planning Commission will be making a recommendation to the Board of Supervisors for conditional final plan approval of the Brandywine Walk/Weaver project and conditional preliminary plan approval of the McCausland/Plank project on 8/18/22.

McCausland/Plank Tract

Hydraterra issued a letter dated 8/05/22 with review comments on the proposed sanitary sewer design to serve eighty-nine townhouse units. A Sewage Facilities Planning Module is to be submitted for review and approval, and an approved Water Quality Management Permit is required for the proposed drip disposal system. The applicant is to obtain all necessary approvals from DEP prior to approval of the final subdivision and land development plan. Additional comments addressed easements, placement of sanitary sewer laid in fill areas, separation of utilities, and the need to show the forcemain and appurtenances for drip irrigation on the plan. Mr. Boldaz noted that wells have been installed and drawdown tests have been conducted, and Hydraterra is now waiting for the mounding analysis. The design engineer is proceeding with a plan providing for the extension of Reeceville Road and intends to attend the next Authority meeting to discuss the next steps.

Hideaway Farms

Mr. Dean reported that the twice weekly inspections of the pump station were performed. There have been no major issues or maintenance required. Meter readings will be provided to Aqua for invoicing the Authority. Average daily flow was 22,100 gallons for the month of July.

Reading Electric evaluated the pump left onsite by the developer and determined that it is beyond economical repair as the repair cost of \$35,050 is almost as much as a new pump and has the same lead time of 12 to 14 weeks. Mr. Boldaz recalled that there were some problems with the original pumps and they were replaced a couple of times by the developer. One pump was replaced just prior to dedication. The age of the other pump is unknown. He will consult the shop drawings and provide a recommendation and quote for a replacement pump for consideration in the 2023 budget.

Downingtown Borough took possession of the dosing station generator and remitted payment of \$4,000 per their bid offer. Electric at the dosing station will be terminated. EEMA maintenance staff will install a solar light for security.

Old Business

Hydraterra issued a letter dated 8/04/22 with the results of the rebidding for sampling and analysis of groundwater monitoring wells. Five bids were received, ranging from \$25,351 to \$45,020. All bidders agreed to an optional two- or three-year contract based on the annual CPI increase and the one-year bid value. The apparent low bidder was Suburban Laboratories with a base bid of \$25,351, which includes an option for Mapleview and Weaver. Mr. Corbin moved to award a three-year contract for groundwater monitoring services to Suburban Laboratories based on the one-year bid value with an annual CPI increase of no greater than five percent. Mrs. Moser seconded the motion, which carried unanimously. Mr. Boldaz noted that groundwater monitoring for the Mapleview project is required to begin six months prior to activation of the disposal fields, which means the groundwater monitoring will begin in June 2023.

New Business

Hydraterra issued a letter dated 7/14/22 with review comments on revised site drawings and plumbing drawings for the installation of a 1,000-gallon grease interceptor for kitchen facilities at the BAPS Northeast property located at 1155 Horseshoe Pike. Previously submitted and approved water records indicated that three EDUs will be required for the proposed use. Existing records show that one EDU was previously assigned to the former use as a hardware store, so the current owner will need to purchase two additional EDUs. A tapping fee of \$23,560 is due for the two additional EDUs of capacity. Arro Consulting is currently reviewing the commercial building permit application. The grease trap will be added to the list of annual inspections.

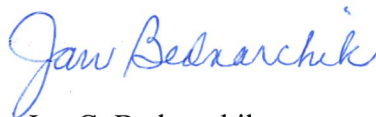
Public Comment

None.

Adjournment

Mr. Summers moved to adjourn the meeting at 9:30 AM. Mrs. Moser seconded the motion, which carried unanimously. The next meeting is Tuesday, September 13, 2022.

Respectfully submitted,



Jan C. Bednarchik
Secretary