

**WEST EARL SEWER AUTHORITY
PO BOX 725
BROWNSTOWN, PA 17508-0725**

The regular monthly meeting of the West Earl Sewer Authority was held in room 102 at the West Earl Township Municipal Building, 157 West Metzler Road, Brownstown, Pennsylvania on Wednesday, October 14, 2020. Chairman Mike Reed called the meeting to order at 7:01 PM.

Authority members present: Don Eckel, Dave Noyes, Mike Reed. Also present: Dan Becker, Becker Engineering, Teresa Beever, administrator.

1. **MINUTES**

The ***motion*** by Don Eckel, seconded by Dave Noyes was approved unanimously to accept the minutes of the September 9, 2020 regular meeting of the West Earl Sewer Authority as presented.

2. **PUBLIC COMMENT/GUESTS**

Mike Kyle from LASA attended the meeting to answer any questions that the Authority may have regarding the conveyance of the sewer system to LASA.

3. **ENGINEER'S REPORT**

BEL reviewed the following items with the board. **See attachment.**

DS Services Flow Equalization – The project is now complete, and the record plans were forwarded to the Authority. LASA will continue to monitor flows at this facility.

Creek Hill – The Sewer Authority is still waiting for the Maintenance Guarantee in the amount of \$54,873.23 from the developer. Until the Maintenance Guarantee is received, neither the escrow nor the financial security for this project will be released. It is unlikely that the Maintenance Guarantee will be received before closing on October 30, 2020. The developer will dedicate the sewer lines through LASA.

Conestoga View – One additional connection at 344 S 7th Street was inspected on October 7, 2020. There are 3 connections outstanding for this project.

Bobby Rahal - BEL reminded the developer that the sanitary sewer facilities either need to be dedicated to the Authority or an agreement with Marlee to connect to privately owned facilities must be executed before activating the facilities to Marlee.

Marlee - BEL reminded the developer that an agreement with Bobby Rahal to connect to privately owned facilities must be executed before activating the facilities to Marlee if those facilities are not dedicated to the Authority.

Forney Estate – Several issues were discovered during the televised inspection of the sewer system. The developer will make the necessary repairs to the system. **REVISED:** Repair work tentatively scheduled to begin mid-November 2020.

LASA – Closing is scheduled for October 30, 2020 at 10 a.m. Brian Kane and Don Eckel will attend.

Martin Appliance – BEL and the Authority received revised sanitary sewer design drawings on September 25, 2020.

Cawley Spreadsheet of Maintenance Items **See attachment.**

BEL requested that Cawley prepare and submit a spreadsheet containing current and future maintenance items at each of the pumping stations and the WWTF.

East Main Street Curb and Sidewalk Project – BEL is working with the Township’s consultant on this project.

Eagle Drive PS Tree Removal –

The motion by Don Eckel, seconded by Mike Reed was approved unanimously to authorize Yunginger Property Service to remove 3 existing evergreen trees and stumps and replace them with 7 Arborvitae for a cost of \$1,440.00.

4. **RESOLUTION 10-14-20-1**

The motion by Dave Noyes, seconded by Mike Reed was approved unanimously to adopt **Resolution No. 10-14-20-1, as prepared by the Authority solicitor, to authorize the officers of the West Earl Sewer Authority to take action relating to the conveyance of the West Earl Sewer Authority’s sewer system.**

5. **ASSIGNMENT OF FINANCIAL SECURITY**

The motion by Don Eckel, seconded by Dave Noyes was approved unanimously to execute the **Assignment of Financial Security**, assigning all Financial Security held by the West Earl Sewer Authority, including Letters of Credit and Escrow Deposits to the Lancaster Area Sewer Authority.

6. **CORRESPONDENCE**

- **MOR** – the August 2020 report was reviewed by the Authority.
- **Treasurer’s Report** – the July 31, 2020 and August 31, 2020 Treasurer’s Reports were reviewed by the Authority.

7. **BILLS**

The motion by Don Eckel, seconded by Dave Noyes was approved unanimously to pay total monthly operating expenses of \$60,905.28.

The motion by Dave Noyes, seconded by Don Eckel was approved unanimously to pay total monthly escrow expenses of \$1,644.45 for the Creek Hill, Martin Appliance Warehouse, Bobby Rahal, and Marlee projects.

8. **PAYMENT REQUISITIONS**

The motion by Don Eckel, seconded by Mike Reed was approved unanimously to authorize payment **Requisition No. 224** for \$60,905.28 to pay total monthly operating expenses. The Authority and engineer signed the document.

9. **OTHER BUSINESS**

The administrator reported that **capacity was dropped for 28 North Conestoga View Drive.** The owner of the property dropped the proposed project to add a second dwelling to this home. Owner was notified via USPS that capacity was dropped and will not be receiving an invoice for further capacity reservation. If he wants to pursue the project in the future, he will need to request additional capacity at that time.

WQM Permit –

The motion by Mike Reed, seconded by Don Eckel was approved unanimously to authorize execution of the transfer of the West Earl Sewer Authority’s Water Quality Management permit to LASA.

Secretary/Treasurer Don Eckel complimented Dan Becker and BEL for their fine work with the Authority over the years. He said he enjoyed working with Dan and his staff. Don also thanked Teresa Beever for her years of service to the Authority. Assistant Secretary/Treasurer Dave Noyes agreed with the sentiment and thanked BEL and Teresa for their work, as did Chairman Mike Reed.

10. **ADJOURNMENT**

The *motion* by Don Eckel, seconded by Mike Reed was approved unanimously to adjourn the last regularly scheduled meeting of the West Earl Sewer Authority at 7:45 PM.

WEST EARL SEWER AUTHORITY October 2020 Engineer's Report

1. DS Waters Flow Equalization: BEL forwarded final project record drawings of the flow equalization facilities to the Authority on September 30, 2020.
2. LGH Sewer Connection (**No Change from September Report**): LGH has agreed to the conditions required for ETSA to provide sanitary sewer service to the property located in West Earl Township. ETSA provided a copy of the draft Temporary Sewer Service Agreement to WESA on December 12, 2018. The Authority Solicitor has reviewed the Agreement and issued a letter to the Authority dated January 29, 2019.

3. Lancaster County Career & Technology Center (**No Change from September Report**): LCCTC had previously contacted BEL questioning whether the Authority had any plans to extend public sanitary sewer service into the area of the LCCTC facility. A consultant for LCCTC recently contacted the Authority with questions regarding the Authority's sanitary sewer facilities.
4. Non-Residential Waste (NRW) Discharge Permit Program:
 - a. DS Waters (**No Change from September Report**): The NRW Permit will expire on August 31, 2024. The Authority issued a letter to DS Waters dated January 9, 2020 requiring the purchase of additional sanitary sewer capacity based on historical facility flows. BEL also received the 2020 2nd quarter sampling results and issued a review letter dated July 31, 2020.
 - b. Zimco/American LaFrance (**No Change from September Report**): The NRW Permit will expire on December 31, 2024. BEL received the 2020 2nd quarter sampling results and issued a review letter dated July 31, 2020. Zimco continues to exceed their allocated capacity of 1,600 gpd.
 - c. The Authority had mailed correspondence to all non-residential customers requesting updated information and information has been coming into the Authority. Authority staff and BEL have been working to compile the information received to date. BEL also drafted a letter for the Authority to send to all non-residential customers regarding discharge of fats, oils and greases into the Authority's system.
 - d. Cleveland Brothers (**No Change from September Report**): Cleveland Brothers submitted a Non Residential Waste application and BEL issued review comments on September 11, 2019. BEL provided the review comments to a consultant representing Cleveland Brothers on June 30, 2020.
5. Creek Hill (**No Change from September Report**): The Authority previously authorized a 90% sanitary sewer financial security reduction in November 2015 to bring the remaining financial security to \$36,582.15. The Authority Solicitor provided two copies of the Bill of Sale for the sanitary sewer collection system to the developer for execution on August 29, 2018. The developer will also need to provide a sanitary sewer maintenance guaranty for \$54,873.23 prior to the Authority considering dedication of the sanitary sewer facilities. The developer's contractor has addressed all remaining outstanding construction punch list issues.
6. Tapping Fee (**No Change from September Report**): The Authority modified the sanitary sewer tapping fee to \$3,900.00 effective June 1, 2019.
7. Fairmount Homes WWTF (**No Change from September Report**): BEL received correspondence from Fairmount Homes' consultant indicating the Fairmount Homes is considering a building expansion that may require an expansion to their existing WWTF. The consultant stated that Fairmount Homes does not want to absorb the costs of expanding/upgrading their WWTF if public sanitary sewer service will be provided to the Farmersville Area. BEL responded on February 24, 2017 updating the Fairmount Homes consultant of the LGH project status.
8. Conestoga View Sewer Service: BEL has been providing observation services for the private property lateral installations and 3 connections remain outstanding as of October 7, 2020.
9. Bobby Rahal Automotive Group: Sanitary sewer construction is complete and some testing remains outstanding. BEL reminded the developer's consultant on October 6, 2020 that either the Rahal sanitary sewer facilities need to be dedicated to the Authority in advance of Marlee activating their sanitary sewer facilities or an agreement between Rahal and Marlee needs to be provided allowing Marlee to connect to privately owned facilities until those facilities are dedicated to the Authority.
10. Sewer Lateral Inspections: BEL has been performing sanitary sewer lateral inspections as necessary.
11. System Maintenance (**No Change from September Report**): At the May 2017 Authority meeting, the Authority requested that BEL prepare a sanitary sewer system maintenance schedule for the Authority's consideration. BEL prepared a draft schedule for the Authority's information and review and provided that to the Authority at the July 2017 Authority meeting.
12. PA One Calls: BEL responded to 56 PA One Calls since September 8, 2020.

13. West Earl Township Building Water Service **(No Change from September Report)**: At the request of the Township, BEL provided drawings to the Water Authority consultant to proceed with installation of the water extension to serve the Township Building.
14. Marlee Properties, LLC: Sanitary sewer construction and testing of the sanitary sewer facilities is complete. The developer provided the grinder pumping station start up report but needs to submit the sanitary sewer record drawings. BEL contacted the developer's contractor to remind them of the documentation necessary to allow them to connect to the Bobby Rahal sanitary sewer facilities if those facilities are not dedicated to the Authority.
15. Scott Monger Subdivision **(No Change from September Report)**: The Authority granted 1 EDU of sanitary sewer capacity for the Scott Monger Subdivision at the March 2018 Authority meeting. The developer is waiting for the Township curb and sidewalk project to commence before commencing sanitary sewer construction. The developer will coordinate the renewal of the PennDOT Highway Occupancy Permit for construction of the sanitary sewer lateral.
16. 152 Brian Drive Sewer Lateral Installation **(No Change from September Report)**: The property owner constructed the sanitary sewer lateral himself and the depth of the gravity sewer lateral into the grinder pumping basin is only 18-inches, which is not in conformance with the Authority's specifications. BEL attempted to contact the property owner on several occasions but never heard back from him. The Authority issued a certified letter to the property owner who contacted BEL. Evidently, the property owner is proposing to attend the Authority meeting to discuss his situation.
17. 152 Stone Quarry Road Sanitary Sewer Service **(No Change from September Report)**: BEL previously spoke with the property owner regarding sanitary sewer service options and suggested that the property owner submit a letter to the Authority describing the property sanitary sewer situation. The property owner, Jared Martin, submitted an email to the Township on April 4, 2018. BEL provided the Authority's Rules and Regulations to Mr. Martin on April 18, 2018 and recommended that he contact a Professional Engineer to assist him with his sanitary sewer service options.
18. Darl & Denise Yoder **(No Change from September Report)**: The Yoder's are proposing to subdivide an existing lot along Stone Quarry Road and their consultant submitted a sanitary sewer capacity request for 1 EDU to accommodate the proposed new lot. The Authority granted 1 EDU, or 265 gpd, of sanitary sewer capacity at the August 2018 Authority meeting. The Authority forwarded a reminder to the developer to pay the Capacity Reservation/Commitment Fee on August 2, 2019.
19. Brownstown Commons Lots 4 & 5 **(No Change from September Report)**: Sanitary Sewer facility construction and testing is complete for Lot 4. No sanitary sewer work has commenced for Lot 5. The developer submitted sanitary sewer Record Drawings to the Authority and BEL issued a review letter dated June 15, 2020. The Authority authorized a reduction to the sanitary sewer financial security from \$10,550.00 to \$8,100.00 at the July 2020 Authority meeting.
20. Transition to Community: Sanitary sewer facility construction and testing for one group home and the director's home is complete. The developer needs to provide Record Drawings to the Authority. The developer's consultant has indicated that the contractor needs to complete some minor site grading and after that, as built survey work and record drawings will be prepared.
21. Forney Estate (formerly Cloverbrook): The new developer provided the sanitary sewer financial security for \$136,302.00 and posted the required escrow. Ditchcreek Utility Services flushed and televised the sanitary sewer facilities and provided the DVD's to BEL for review. BEL issued a review letter dated August 11, 2020 outlining several issues that need to be addressed by the developer prior to the Authority's consideration of dedication. The developer indicated that the sanitary sewer repair work is tentatively scheduled to begin mid November 2020.
22. LASA Agreement: BEL provided access and attended LASA staff review of the Authority's WWTF and Pumping Stations on September 17, 2020. BEL also provided Cawley's updated maintenance

spreadsheet to the Authority and LASA on October 2, 2020. West Earl Township requested that BEL attend a meeting with LASA on October 13, 2020.

23. Martin Appliance Warehouse: The Authority granted 6 EDU's, or 1,380 gpd of sanitary sewer capacity for the project at the September 2020 Authority meeting. BEL received revised sanitary sewer design drawings on September 25, 2020.
24. Manhole Paving Risers (**No Change from September Report**): The Township requested BEL to order manhole paving risers for the Township's Industrial Drive paving project. Due to the lead-time necessary to procure the risers, the Township Road Master borrowed risers from another municipality and will generate a listing of risers necessary to restock the risers utilized.
25. Eagle View Pumping Station: Cawley installed the new pump purchased by the Authority and the repaired pump was delivered to the pumping station on September 17, 2020.

BEL authorized Cawley to replace the exhaust fan and motor at a cost of \$815.50. Cawley ordered the replacement equipment.

26. WWTF Sludge Pump: Cawley will install the new SBR Basin 1 sludge pump recently purchased by the Authority and removed the damaged pump for evaluation. According to Cawley, the damaged pump repair is not cost effective and recommends that the Authority purchase a new pump at a cost of \$5,230.80 plus freight cost.
27. WWTF Diffuser Rack: The Authority authorized Cawley to replace the air columns at two of the diffuser racks for \$14,673.53. Cawley ordered the replacement equipment on September 14, 2020 and delivery is expected within 6 – 8 weeks.
28. WWTF Portable Hoist Rugged Wheeled Storage Case: The storage case was delivered to the WWTF on October 6, 2020.
29. Newport Road Pumping Station Door Replacement: The door locksets were replaced, and it appears that the doors have been previously damaged. The cost to replace the doors is approximately \$1,550.00. This will be monitored.
30. Church Street Pumping Station: BEL authorized Cawley to purchase a new winch assembly/cable/hook for \$2,707.61.

Cawley inspected the trash basket rail system and cleaned the trash basket on September 9, 2020. Cawley indicated that a cross member support for the rail system is broken and the rails are bent. The cost to replace the trash basket and rail system is \$5,039.65.

West Earl Township is planning to perform some grading work at the station site in the area of the existing swale and access drive to eliminate ponding water. BEL provided sanitary sewer facility depth information to the Township Road Master.

31. Cawley Maintenance Items: Cawley updated the maintenance spreadsheet outlining all current and future maintenance items at each of the pumping stations and the WWTF. BEL provided the most recent spreadsheet to the Authority and LASA.
32. Cocalico Creek Pumping Station: On September 23, 2020, Cawley informed BEL that the Pump 1 motor is blown and the volute is worn and must be replaced. The current lead-time for replacement parts is 8 weeks and the cost for the pump repair is \$19,497.00 plus shipping costs. A new pump has a lead-time of 14 weeks and the cost is \$20,385.00 plus shipping costs. The spare pump was installed in replace of this damaged pump so the station does not currently have a spare pump.
33. WWTF Emergency Eye Wash Station: Cawley installed a new eyewash station on September 17, 2020.
34. WWTF UV Bank Electrical Issues: Cawley's electrician has been on site several times to inspect the system, tighten loose connections and perform troubleshooting of the system. A new ballast

card is scheduled to be installed in UV Bank B and tighten any remaining connections. The electrician indicated that the UV bulbs are in working condition.

35. East Main Street Curb & Sidewalk Project: BEL attended a project meeting on September 16, 2020 and provided the Township's consultant with sanitary sewer facility information in the project area. BEL recommends that each sanitary sewer lateral be located, and elevations confirmed for the laterals on the east side of East Main Street to ensure no conflicts exist between the proposed storm water facilities and the existing sanitary sewer facilities. BEL requested updated plans from the Township's consultant.
36. Eagle View Pumping Station Tree Removal: BEL obtained 3 prices for removal of the existing evergreen trees including stump removal and planting of 7 Arborvitae. The prices ranged from \$1,440.00 to \$2,451.00. **BEL recommends the Authority authorize Yunginger Property Service to proceed with the work for \$1,440.00.**

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West Earl Township - Sewer Authority Project Tracker

Date	Facility	Explanation of Issue	Quoted	Estimated Cost	Approval	Materials Ordered	Scheduled for Completion	Status	Notes
7-Jul-20	Church Street Pump Station	Winch & Cable broke while attempting to retrieve basket	08/13/20	\$ 2,707.61	8/20/20 J. Kennedy email	ETA 9/16/2020 for winch & cable	9/9/2020 - basket removal & evaluation of basket rail system; winch & cable will be installed as soon as possible after they arrive	Completed	rails for basket may be bent; confined space entry to evaluate; if possible, repair will be made on site; if not, measurements will be taken to be able to order necessary rails, hardware, etc. Retrieved fitting dropped in upstream will also be made. Winch & Cable will be installed once they are received. 9/9/2020 RAILS determined to need replacing.
27-Apr-20	Eagle View Pump Station	Fairbanks Morse Pump needs to have new stator/rotor assembly.	4/28/2020 & corrected on 5/29/2020	\$ 11,772.00	4/28/2220 J. Kennedy email	ETA was supposed to be end of July. Delayed due to supply chain issues with parts supply from CA.	Being Delivered on 9/17/2020 to pump station	Completed	Parts supply for various pumps and parts coming from CA severely delayed due to COVID-19 issues affecting manufacturing and supply.
23-Jul-20	Main Facility	Eyewash station plumbing needs to be repaired and station brought back to working order	not quoted	\$300-\$500	7/24/2020 T. Beaver email	procured and installed	completed on 9/17/2020.	Completed	evaluation scheduled for 9/9/2020 to determine needed materials and whether potable water line runs to eyewash sink since piping under the sink is cut out.
13-Aug-20	Main Facility	SBR#1 Sludge pump needs cable for pulling	08/13/20	\$ 118.42	9/10/2020 email from J. Kennedy	ordered 9/11/2020	Arrived 9/17/2020; sent to plant for installation	Completed	cable should be attached to the pump and tethered to save time fishing for the pump should it be necessary to pull it out since the pump sits in a tank with at least 14' of water on top.
9-Sep-20	Church Street Pump Station	Basket Rail System	09/16/20	\$ 5,036.25	9/18/2020 - on hold J. Kennedy	new stainless steel rail system		on hold	upon evaluation pm 9/9/2020 determined new stainless steel rail system for basket needed due to heavy corrosion; measurements collected & quote will be forwarded.
12-Jun-20	Cocalico Creek PS	#1 Pump failed and was removed from service to be evaluated. Evaluation revealed: blown motor, new wet end and head needed, volute worn, impeller dropped	09/23/20	\$19,497+ estimated \$500 shipping-repair \$20,385.60 + estimated \$500 shipping for new	tbd	tbd	tbd	pending approval	pump was removed from service 6/12/2020 and spare installed in its place; evaluation completed 9/22/2020
ongoing	Eagle View Pump Station	Exhaust fan does not function; breakers not issue	08/19/20	9/18/2020 - on hold	9/9/2020 J. Kennedy	lead time for fan is 2-3 weeks from placing order; ordered 9/9/2020	tbd	still pending receipt of materials as of 9/30/2020	fan has not been manufactured for at least 10 years.
1-Mar-20	Main Facility	UV System: bulbs 3&4 in bank B not lighting up; possible electrical issue. Requires evaluation by electrician.	9/16/2020 email re: issue	Estimated \$720.00 for electrician to evaluate and repair vs. \$5458 by Xylem for 1 day tech on site including training	9/17/2020 for Electrician to evaluate.	n/a as of 9/9/2020 ; bulbs and ballasts on site.	Scheduled evaluation by electrician on 9/18/2020 9/23/20	pending return visit by electrician	UV bulbs in both banks were replaced in February (B) & Mach (A); after replacing bulbs in Bank B, issues with bulbs not lighting, so ballast cards replaced; All lamps were operational except bulb 6; as time passed, bulb 6 began working, but lamps 3&4 are no longer operational. Conclusion is that there is a wiring issue or electrical component that needs to be addressed by electrician. 9/23/20 electrician made brief eval. contacted Xylem tech for additional information on wiring. 9/30/2020 electrician had been previously exposed to COVID-19 pending test results to be able to finish troubleshooting. rescheduled for 10/5/2020 pending negative COVID-19 testing. in meantime, electrician spoke w/Xylem for further direction on & received emailed testing procedure for bulbs & cards. Will finish eval once cleared from covid. If not cleared, another electrician may be needed.
1-May-20	Main Facility	2 of 8 Diffuser Racks' air columns leaking due to rust corrosion	08/12/20	\$ 14,673.53	email from J. Kennedy on 9/11/2020	lead time 6-8 weeks from ordering on 9/14/2020	tbd	still pending receipt of materials as of 9/30/2020	quote is for replacing 2 racks' air columns and corresponding brace angles in Stainless Steel includes labor to remove old and install new. There is a price advantage on the materials for replacing all 8 at once due to quantity ordering. If all 8 are ordered at once, galvanized steel becomes the more economical option due to galvanizing a larger quantity at once. If ordering 8 at once instead of only 2 assemblies, savings on materials is \$2789 for stainless and \$7763 for galvanized. Preparing Labor quote for doing all 8 at once vs. only 2 and will provide those details as they are available. D. Juskalian 9/9/2020
3-Aug-20	Main Facility	Sludge pump in SBR#1 had seal fail indicator; pulled for evaluation & repair(?)	09/23/20	\$5230.80 + shipping	8/10/2020 R. Hallman email to pull & evaluate pump; 9/23/2020 pending approval for replacement	tbd	tbd	pending approval for replacement	pump taken for evaluation on 8/27/2020; recommendations for repair will be forwarded as soon as available.; not economical to repair. Replacement costs quoted on 9/23/2020

West Earl Township - Sewer Authority Project Tracker

Date	Facility	Explanation of Issue	Quoted	Estimated Cost	Approval	Materials Ordered	Scheduled for Completion	Status	Notes
2-Sep-20	Main Facility	Aluminum sulfate feed pumps for SBR's: pump #1 is leaking; #2 is making noise. Wet ends of pumps need to be rebuilt, heads may need to be replaced.	pending source of Pulsafeeder parts 9/8/2020; 9/14/2020 pending quotes for comparable pumps	tbd	tbd	pending sourcing of parts for Pulsafeeder products;	tbd	pending quote	9/2/2020 initial report of problem; 9/3/2020 Initial evaluation: Pump #1 leaking out weep hole and may be contaminated with alum inside; evaluation of pumps revealed that diaphragms need to be replaced and heads also may need to be replaced. Stroke adjusted to relieve some of thumping noise in pump #2; Pressure relief and back pressure may need to be recharged with air on pumps 2 & 3; 9/11/2020 parts no longer available; must quote new pumps requested 2 quotes; 9/17/2020 f/u for 2nd set of quotes for replacement; 9/24/2020 f/u for replacement quote.
15-Jul-20	Main Facility	Sludge holding tanks - need more air requiring timers to be added and pumps for decanting	pending formal quote pending needs to be forwarded to Twp.	estimated \$1825 (\$1105 for 2 pumps + \$720 for timer & installation for blower #3 to have better air feed on regular schedule in sludge process)	pending from Township	tbd pending approval	tbd	pending formal quote	smaller decant pumps necessary in sludge holding tanks to allow sludge process to flow smoothly. Pumps currently in 4 tanks which can be moved around as needed and raised and lowered depending on required pumping for smooth process. Barnes pump currently in 1 tank not movable because it too heavy; also trips circuit each time it runs. Would like to replace Barnes pump and have 1 pump on hand to use in other tanks as needed. needs blower #3 on timer to run air at regular intervals for regular air feed in sludge process
1-Dec-19	Main Facility	Mini-Bulk delivery for aluminum sulfate needed to avoid future injury.	not quoted - pending further discussion with Twp.	tbd	tbd	tbd	tbd	further discussion needed for planning action, if any	Options for insulated bulk tanks outside or mini bulk tanks to be installed inside the building have been considered to allow for easier bulk delivery and eliminate the risk of injury due to moving heavy barrels. It appears that the best course of action would be to have current chemical supplier, Univar, supply and deliver mini-bulk tanks to the main wastewater plant control building. The tanks are free; however, chemicals must be supplied by Univar (who currently supplies them). The project would require WET personnel to clean out/remove old tools and equipment from the storage room to make room for the bulk tanks, but care must be taken to ensure that the well pressure/bladder tanks remain. Once the space is available, the tanks could be delivered, and a hole drilled in the concrete wall to pass the pump tubing over to the area where it is injected into the system. The chemical pumps could be relocated into the area by the tanks. Otherwise, a transfer pump will be needed to move chemicals to a tank near the pumps in the other room. This proposal seems to be the most economical and logical way to avoid delivery of heavy drums that must be moved inside because they are temperature sensitive. An outdoor insulated tank may cost over \$10k due to size of tank required with insulation or an uninsulated tank would necessitate building a shed/housing for it
27-Apr-20	Main Facility - Influent Pump Station	Transducer based bubbler line needed due to excessive rages, debris & turbulence in tank causing chronic problems with back up controls.	informal quote on email 4/27/20	estimated \$5388	pending from Township	tbd if approval given and twp. wants to move forward with this project	tbd	pending formal quote	Dori Juskalian 9/9/2020: not quoted that CES is aware at this time.

West Earl Township - Sewer Authority Project Tracker

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4/27/2020; 10-Sep-20	Main Facility - Influent Pump Station	need 2nd hoist/crane receiver and a motorized cable type crane/hoist to make 2 motorized hoists on crane @ main PS to raise basket and pumps.- switching pumps out in the event of issue is very difficult. If there is only one hoist on crane hooked to one pump, and pump fails and water rises, how will you be able to hook other pump? Something that should be evaluated and quoted as the current set up is difficult. Also need 2nd cap & wiring for spare pump and 3 heavy duty electrical outlets at pump station for switching pumps out.	not quoted pending further discussion & info	tbd	tbd	tbd	tbd	pending more investigation & info to be able to quote for consideration	need to update communication re: this topic to WET need to gather more information re: motorized cable type hoist to be able to provide quote for consideration; also need to have electrician evaluate possibility of adding outlets at pump station to be able to easily switch pumps out.
27-Apr-20	Main Facility - Influent Pump Station	Guiderail hardware or influent basket heavily corroded and needs to be replaced. Ok for now, but does need attention. Basket needs crane/hoist set up for raising and a process for disposing of rags in basket. Goes along w/ motorized hoist noted directly above.	not quoted - pending further discussion with Twp.	tbd	tbd	tbd	tbd	pending more investigation & info to be able to quote for consideration	need to update communication re: this topic to WET; need to gather more information re: motorized cable type hoist to be able to provide quote for consideration; also need to have electrician evaluate possibility of adding outlets at pump station to be able to easily switch pumps out.
17-Sep-20	Main Facility	Conduit attached to piping next to mechanical screener needs to be reconnected, reattached and secured back to pipe; water has entered conduit with wiring; plastic casing and bracket that conduit attaches to is UV damaged, brittle and broken	tbd	tbd	tbd	tbd	tbd	pending further evaluation & information to prepare proposal for consideration	have pictures of exact conduit for clarification. Need to gather information & present quote for repair.
17-Sep-20	Main Facility	there is a valve broken shut for the left train (#2 post EQ tank). Requires repair to be able to use the tank.	tbd	tbd	tbd	tbd	tbd	pending further evaluation & information to prepare proposal for consideration	need more info & investigation to be able to provide quote
17-Sep-20	Main Facility	#1 Post EQ tank works but is not in use because it has an air valve leaking - this is approx. 8" valve between the post EQ tanks	tbd	tbd	tbd	tbd	tbd	pending further evaluation & information to prepare proposal for consideration	need more info & investigation to be able to provide quote
17-Sep-20	Main Facility	Yard Lights are dim and do not supply enough light. They need to be evaluated and for new bulbs or proper wiring. There is a wire hanging loose from one of the yard light posts.	tbd	tbd	tbd	tbd	tbd	pending discussion for how to proceed	need to relay details to WET to discuss path for repair
17-Sep-20	Main Facility	Potable Water should have filters changed and be tested for total coliform to determine if possible to use the potable water as usable fresh water is necessary for washing hands and supplies the eye wash sink.	tbd	tbd	tbd	tbd	tbd	pending collection of Total coliform sample & formal communication to WET	need to relay details to WET to discuss path for repair; have operator collect total coliform sample to check for bacteria.

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10-Jan-19	Main Facility - Influent Pump Station	Influent grinder (muffin monster) needed to cut up rags prior to entering system so that they do not clog influent pumps	01/08/19	estimated was \$9500 1.5 years ago	declined	n/a	n/a	declined	
29-May-20	Newport Pump Station	Doors need to be replaced after being damaged by attempted break-in	07/23/20	\$ 1,543.75	pending from Township	lead time for doors is 3-4 weeks from placing order	tbd	pending approval	Locks have been re-keyed to match other pump stations' keys; existing hardware can be removed from damaged doors and re-installed on new doors.
22-Jul-19	Oregon Pike Pump Station	Relocate Junction box to be able to pull pumps and make repairs without requiring tank entry	04/27/20	between \$16k - \$24k depending upon what is done	pending from Township	tbd if approval given and twp. wants to move forward with this project	tbd	pending discussion & approval	Current wiring set up for pumps and floats have connections going through concrete wall prohibiting safe access without entering tank if something needs to be repaired/replaced. Complete explanation of why project needed can be provided on separate cover. What needs to be done: saw cut driveway & dig trench from existing junction box, new conduits for pump control and float switch wires and new ss enclosure, core drill holes in top of wet well for pump & float wires, install enclosure on back of hatch door, extend all pump, control, and float switch wires, new terminal blocks for all wires, new float switches and float rack, terminate all wiring, patch black top.
17-Sep-20	Oregon Pike Pump Station	low level floats are in control and back up for bubbler; float back-up does not have alternation	tbd	tbd	tbd	tbd	tbd	pending further evaluation & information to prepare proposal for consideration	need more info to provide quote