

**EAST GOSHEN MUNICIPAL AUTHORITY**

**August 13, 2018**

**7:00 PM**

1. CALL TO ORDER/PLEDGE OF ALLEGIANCE/MOMENT OF SILENCE
  - a. Ask if anyone will be taping the meeting

2. CHAIRMAN'S REPORT/OTHER MEMBERS REPORTS

3. SEWER REPORTS

- a. Director of Public Works Report.
- b. Pennoni Engineer's Report.
- c. Big Fish Environmental Report.

4. APPROVAL OF MINUTES

- a. July 9, 2018

5. APPROVAL OF INVOICES

Pennoni Invoice's - None

Gawthrop Greenwood Invoice #197989	\$ 300.00
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6. LIAISON REPORTS

7. FINANCIAL REPORTS

- a. July Financial Report
- b. Proposed Sewer Capital Improvement Program update 8-8-18

8. OLD BUSINESS

- a. Memo on West Goshen Sewer Plant Work

9. GOALS

- a. Continue to monitor the upgrades at West Goshen Sewer Plant. Jack and Phil have been attending meetings.de
- b. Continue to implement the I&I Plan – 3-8-2018 completed
- c. Submit articles for the newsletter - none

10. NEW BUSINESS

- a. Tallmadge Drive Award Recommendation

11. CAPACITY REQUESTS
12. ANY OTHER MATTER
13. CORRESPONDENCE AND REPORTS OF INTEREST
14. PUBLIC COMMENT
15. ADJOURNMENT

**BOARD OF SUPERVISORS**  
EAST GOSHEN TOWNSHIP  
CHESTER COUNTY  
1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

August 9, 2018

To: Municipal Authority  
From: Mark Miller  
Re: July 2018 Monthly Report

**Monthly Flows:** The average daily flow to West Goshen was 746,000 gallons per day. No problems to report.

**Meters:** The meters are being read on a daily basis, no problems to report.

**C.C. Collection:** The pump stations were visited on a daily basis with no problems to report. We had no problems with the collection system. We had a sewer clog on 1616 Margo Lane, lateral clog and lateral repair.

**R.C. Collection:** The pumping station was visited on a daily basis with no problems to report. As part of our routine maintenance we televised and cleaned Tallmadge Drive this will keep up until the line is replaced. As part of our repaving program we replaced 14 castings and lids in the Hadleigh development off of Greenhill Road.

**Ridley Creek:** The channel was cleaned in the screen building. While we were there we washed the walls down and did general cleanup of the interior of the building. We pulled the pumps on the empty SBR tank and sent them to Deckman Electric to be checked over. Last month there was a discussion about the blower that went down. The blower was fine the problem was with the blowers rebuilt, we expended the plant but the motors were checked but did not require repairs in 2009. The blower building has two exhaust fans that run continually. We installed an air conditioner in the small motor control room last year which has helped to cool that equipment. I don't see the need to do any other ventilation work in the main blower room.

**Alarms:** We responded to 15 alarms for June which were all various issues.

**PA One Calls:** We received 97 PA One calls in June.

**Rainfall:** July rainfall total was 7.80

Cleaning Channel  
in Screen Room



**EAST GOSHEN MUNICIPAL AUTHORITY**  
**ENGINEER'S REPORT**  
August 8, 2018

**Invoices**

- Invoices with summaries are provided under separate cover.

**Ridley Creek Sewage Treatment Plant (RCSTP)**

- Caustic soda pilot study – We are analyzing study data in coordination with Big Fish. Upon receipt of their analysis, a summary report will be issued, tentatively by the end of August.
- SBR coatings – We performed a visual inspection of the SBR #2 wall coatings, and our structural engineer performed a visual observation of the condition of the concrete. A memo will be issued summarizing the structural evaluation. The coating is experiencing more blistering than prior tanks, including a number of coating locations that were repaired when this tank was last offline. A meeting is tentatively scheduled at the site on August 22 to determine the repair approach with Pennoni, Dutchland, Mark Miller, and Kevin Cummings. Under the expectation that repairs can be made within one month thereafter, it is our understanding that the next tank will be taken offline around November. It is our understanding that the warranty expires in October 2019.
- Influent metering – We performed a very cursory evaluation of influent metering alternatives since the “field meter”, which is located in a manhole in the wetlands and measures flow prior to recycle, had been reading 100,000-200,000 gpd too high for the prior approximately two months. Mark Miller advised us that the meter was inspected about one month ago, and a large spider nest was found on top of the meter. This would cause the meter to read an incorrectly high flow depth and calculate a resultant higher flow rate. We have not reviewed recent flow data, but it is our understanding that metered flows have decreased since the maintenance. We are not aware of any other significant issues with this meter over the past several years.

We were also informed that the metering company had recommended this location because it was the closest existing manhole/vault to the plant with adequate slope, straight-through piping, and non-turbulent conditions.

There are several alternatives that could be evaluated in more detail for the influent metering:

1. Continue with the meter as-is, and ensure adequate maintenance is regularly performed.
2. Item #1 plus add cellular connectivity so that metered flow can be regularly monitored online for abnormalities by the Township, Pennoni, and/or Big Fish.
3. Installation of a manhole/vault with meter inside the fence line upstream of the screen building; however, there were apparent prior concerns about this location due to the flatness of the pipe and solids build-up that occurs.
4. Installation of a manhole with meter between the screen building and the influent pump station, but there may not be an adequate distance of straight pipe diameters in this area for a meter to function properly.
5. Abandonment of the existing field meter and installation of a meter on the recycle piping. The recycle flow could then be subtracted from the influent pump station flow to determine non-recycle influent flow as required by PADEP. This is generally not recommended since PADEP has directed metering be on the influent piping.

### **RCSTP and Pump Stations' O&M Manual**

- We recommend the Manual be revisited in July-August 2018 to determine if updates are needed and/or if new information has become available to incorporate.

### **Supplee Valley Pipe Lining**

- SWERP completed lining of all contracted sewers on February 21. They subsequently installed supplemental lateral saddle liners in 3 of 6 locations in April that were approved via change order.
- They performed the injection grouting of leaks in two manholes on August 3. We are still awaiting a schedule for the remaining two lateral spot repairs that were previously approved via change order.

### **Barkway Pump Station Grinder**

- We met with Mark Miller on June 5 to review our design plans. We are re-evaluating the feasibility of coring the wet well to run the hydraulic lines rather than entering through the top of the wet well steel hatch. However, a site investigation is required to accurately determine coring feasibility due to inconsistencies in how the foundation is shown on the original pump station design plans. The design plans will be finalized thereafter. *No update since our last report.*

### **Ashbridge Pump Station Force Main**

- Test pits will be performed to identify backfill conditions along Manley Road with one test pit on Edith Lane, as recommended by the Municipal Authority, when weather permits. *No update since our last report.*

### **Tallmadge Drive Sewer Main Replacement**

- Bids were received on August 7, and a bid tabulation was submitted to the Township. We are processing bids will provide an award recommendation letter prior to the August MA meeting.

### **I&I Support and Reporting**

- We intend to analyze meter data and submit the next semi-annual I&I report following completion of the Supplee Valley pipe lining project so that the impact of that project can be assessed. That report will likely be issued in the July-August timeframe. We propose to make a summary Powerpoint presentation at a MA meeting immediately thereafter. *No update since our last report.*

### **New Connections**

- No activity since last report.

### **West Goshen Sewer System Consultation**

- No activity since last report.

### **Capital Improvement Planning**

- We reviewed the 5-year capital improvement plan budget and provided comments to the Township.

East Goshen Municipal Authority  
 Tabulation of Bids Received by 2:00 PM on August 7, 2018  
 Contract No. TD-2018-2: Tallmadge Drive Sewer Replacement

ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY/UNIT	Iron Eagle Excavating 35 Ann Street Highspire, PA 17034 (717) 821-3883		Business Contracting Solutions, LLC 220 Park Avenue Chambersburg, PA 17201 (717) 360-9427		Pipeline Excavating, Inc 8 West Garrison Road Brookhaven, PA 19015 (610) 876-1119		Eagle Contracting Inc. 418 Fairmont Drive Chester Springs, PA 19425 (610) 496-8254		Ron Smith Inc. 559 Trestle Place Downtown, PA 19335 (610) 873-3940		Total Site Development, Inc. 433 W. Market St., Suite 13 West Chester, PA 19382 (610) 429-5800		
			UNIT COST	AMOUNT	UNIT COST	AMOUNT	UNIT COST	AMOUNT	UNIT COST	AMOUNT	UNIT COST	AMOUNT	UNIT COST	AMOUNT	
1	Sanitary Sewer Bypass Pumping and Flow Control	1	L.S.	\$4,500.00	\$4,500.00	\$5,000.00	\$5,000.00	\$10,500.00	\$10,500.00	\$3,900.00	\$3,900.00	\$5,500.00	\$5,500.00	\$30,530.00	\$30,530.00
2	Furnish and Install Precast Concrete Manhole	1	E.A.	\$6,500.00	\$6,500.00	\$7,500.00	\$7,500.00	\$6,500.00	\$6,500.00	\$7,500.00	\$7,500.00	\$8,757.20	\$8,757.20	\$14,425.00	\$14,425.00
3	Furnish and Install 8" Dia. SDR26 PVC Gravity Sewer Pipe	527	L.F.	\$124.50	\$65,611.50	\$91.00	\$47,957.00	\$120.00	\$63,240.00	\$160.75	\$84,715.25	\$225.66	\$118,972.82	\$175.34	\$92,404.18
4	Furnish and Install 4" Dia. SDR26 PVC Sewer Lateral	40	L.F.	\$100.00	\$4,000.00	\$137.50	\$5,500.00	\$85.00	\$3,400.00	\$95.00	\$3,800.00	\$255.00	\$10,200.00	\$300.00	\$12,000.00
5	Connection to Existing Sanitary Sewer Manholes	1	L.S.	\$3,000.00	\$3,000.00	\$6,500.00	\$6,500.00	\$7,500.00	\$7,500.00	\$3,500.00	\$3,500.00	\$5,500.00	\$5,500.00	\$14,000.00	\$14,000.00
6	Demolition of Drop Connection Concrete Encasement	1	C.Y.	\$400.00	\$400.00	\$4,000.00	\$4,000.00	\$1,000.00	\$1,000.00	\$7,500.00	\$7,500.00	\$6,600.00	\$6,600.00	\$15,500.00	\$15,500.00
7	Miscellaneous Excavation and Backfill	20	C.Y.	\$10.00	\$200.00	\$380.00	\$7,600.00	\$35.00	\$700.00	\$35.00	\$700.00	\$89.75	\$1,795.00	\$975.00	\$19,500.00
8	Rock Removal	75	C.Y.	\$10.00	\$750.00	\$126.50	\$9,487.50	\$150.00	\$11,250.00	\$85.00	\$6,375.00	\$70.00	\$5,250.00	\$150.00	\$11,250.00
TOTAL BASE BID (BASED ON ESTIMATED QUANTITIES)					\$84,961.50		\$93,544.50		\$99,090.00		\$117,990.25		\$162,525.02		\$209,609.18
BID SECURITY REVIEW				10% of Bid		10% of Bid		10% of Bid		10% of Bid		10% of Bid		10% of Bid	

We Declare this to be a true Tabulation of Bids Received on August 7, 2018 by East Goshen Township for Contract No. TD-2018-2.

PENNONI ASSOCIATES INC.



Michael J. Ellis, P.E., PA Reg. No. PE075139  
 FOR: PENNONI ASSOCIATES INC.



August 10, 2018

EGMA1701

Rick Smith, Township Manager  
East Goshen Township  
1580 Paoli Pike  
West Chester, PA 19380

**Re: Award Recommendation  
Tallmadge Drive Sewer Replacement, Contract No. TD-2018-2**

Dear Mr. Smith:

We have tabulated the bids received through PennBid on August 7, 2018 for the referenced contract. The bid tabulation is attached.

As reflected in the bid tabulation, the low bidder is Iron Eagle Excavating, located in Highspire, Pennsylvania, who submitted a Total Bid of \$84,961.50

We found the low bidder's submitted proposal to be complete in all respects. We have confirmed their experience on similar projects by contacting references from prior projects they have completed. We have also spoken at length with Randall Weaver, the company owner and site superintendent. Mr. Weaver provided a detailed background of his company's history, construction experience, and financial capabilities and demonstrated a sound knowledge of construction practices. We discussed the construction scope and procedures in detail with Mr. Weaver. He provided a clear understanding and well-thought-out approach to the project. Therefore, we recommend Iron Eagle Excavating be awarded the contract.

Attached is a copy of Iron Eagle Excavating's Bid Bond. We will provide the original Form of Guaranty under separate cover.

Sincerely,

**PENNONI ASSOCIATES INC.**



Michael J. Ellis, PE  
Authority Engineer

Enclosures: As noted

/edj

cc: East Goshen Municipal Authority  
Mark Miller, Public Works Director  
Jon Altshul, Assistant Township Manager

# THE AMERICAN INSTITUTE OF ARCHITECTS



AIA Document A310

## Bid Bond

KNOW ALL MEN BY THESE PRESENTS, that we Iron Eagle Excavating  
35 Ann Street, Highspire, PA 17034 (Here insert full name and address or legal title of Contractor)

as Principal, hereinafter called the Principal, and United States Fire Insurance Company  
1209 Orange Street, Wilmington, DE 19801 (Here insert full name and address or legal title of Surety)

a corporation duly organized under the laws of the State of Delaware  
as Surety, hereinafter called the Surety, are held and firmly bound unto East Goshen Municipal Authority  
1580 Paoli Pike, West Chester, PA 19380 (Here insert full name and address or legal title of Owner)

as Obligee, hereinafter called the Obligee, in the sum of Ten Percent of Amount Bid  
Dollars (\$ 10% ),  
for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind  
ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by  
these presents.

WHEREAS, the Principal has submitted a bid for  
(Here insert full name, address and description of project)  
Tallmadge Drive Sewer Replacement, Contract No. TD-2018-2

NOW, THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall enter into a Contract with the Obligee in accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such Contract and give such bond or bonds, if the Principal shall pay to the Obligee the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the Obligee may in good faith contract with another party to perform the Work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

Signed and sealed this 7th day of August 2018

Courtney Seaman (Witness)  
Iron Eagle Excavating  
Ronald Weaver (Principal) (Seal)  
(Title)

Kimberly Burton (Witness)  
United States Fire Insurance Company  
William L. Rushton (Surety) (Seal)  
(Title)  
William L. Rushton, Attorney-in-Fact

## CONSENT OF SURETY

KNOW ALL MEN BY THESE PRESENTS, that for and in consideration of the sum of \$1.00, lawful money of the United States of America, the receipt whereof is hereby acknowledged, paid the undersigned corporation, and for other valuable consideration, the

United States Fire Insurance Company

organized and existing under the laws of the State of Delaware and licensed to do business in the State of Pennsylvania certifies and agrees, that it contract for Tallmadge Drive Sewer Replacement, Contract No. TD-2018-2

for East Goshen Municipal Authority

is awarded to Iron Eagle Excavating the undersigned Corporation will execute the bond or bonds as required of the contract documents and will become Surety in the full amount set forth in the contract documents for the faithful performance of all obligations of the Contractor.

Signed and Sealed this 7th day of August , 2018 .

United States Fire Insurance Company



William L. Rushton, Attorney-in-Fact



COMMONWEALTH OF PENNSYLVANIA  
INSURANCE DEPARTMENT

# CERTIFICATE OF AUTHORITY

Property

Effective Date: April 1, 2018

**UNITED STATES FIRE INSURANCE COMPANY**

**NAIC NO. 21113**

HAS COMPLIED WITH THE REQUIREMENTS OF THE LAWS OF THE COMMONWEALTH OF PENNSYLVANIA RELATING TO ADMISSION IN SAID COMMONWEALTH FOR THE PURPOSE OF TRANSACTING INSURANCE BUSINESS IN PENNSYLVANIA AND THAT THE ABOVE NAMED COMPANY IS HEREBY AUTHORIZED TO TRANSACT THE BUSINESS OF:

- |   |  |
|---|--|
| Accident and Health 40 P.S. s 382(c)(2)               | Auto Liability 40 P.S. s 382(c)(11)    |
| Boiler and Machinery 40 P.S. s 382(c)(5)              | Burglary and Theft 40 P.S. s 382(c)(6) |
| Credit 40 P.S. s 382(c)(7)                            | Elevator 40 P.S. s 382(c)(9)           |
| Fidelity and Surety 40 P.S. s 382(c)(1)               | Glass 40 P.S. s 382(c)(3)              |
| Inland Marine and Physical Damage 40 P.S. s 382(b)(2) | Livestock 40 P.S. s 382(c)(10)         |
| Ocean Marine 40 P.S. s 382(b)(3)                      | Other Liability 40 P.S. s 382(c)(4)    |
| Property and Allied Lines 40 P.S. s 382(b)(1)         | Water Damage 40 P.S. s 382(c)(8)       |
| Workers Compensation 40 P.S. s 382(c)(14)             |  |

FOR THE YEAR ENDING MARCH 31, 2019 IN ACCORDANCE WITH ITS CHARTER AND IN CONFORMITY WITH THE LAWS OF SAID COMMONWEALTH OF PENNSYLVANIA.



IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND AFFIXED MY OFFICIAL SEAL, THE DATE AND YEAR FIRST ABOVE WRITTEN.

Jessica K. Altman  
INSURANCE COMMISSIONER

POWER OF ATTORNEY  
UNITED STATES FIRE INSURANCE COMPANY  
PRINCIPAL OFFICE - MORRISTOWN, NEW JERSEY

01300405318

KNOW ALL MEN BY THESE PRESENTS: That United States Fire Insurance Company, a corporation duly organized and existing under the laws of the state of Delaware, has made, constituted and appointed, and does hereby make, constitute and appoint:

*William L. Rushton, John R. Waite Jr., Melissa Mattox, Kimberly Burton, Vincent Giorgio*

each, its true and lawful Attorney(s)-In-Fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver: Any and all bonds and undertakings of surety and other documents that the ordinary course of surety business may require, and to bind United States Fire Insurance Company thereby as fully and to the same extent as if such bonds or undertakings had been duly executed and acknowledged by the regularly elected officers of United States Fire Insurance Company at its principal office, in amounts or penalties not exceeding: **Seven Million, Five Hundred Thousand Dollars (\$7,500,000)**.

This Power of Attorney limits the act of those named therein to the bonds and undertakings specifically named therein, and they have no authority to bind United States Fire Insurance Company except in the manner and to the extent therein stated.

This Power of Attorney revokes all previous Powers of Attorney issued on behalf of the Attorneys-In-Fact named above and expires on January 31, 2019.

This Power of Attorney is granted pursuant to Article IV of the By-Laws of United States Fire Insurance Company as now in full force and effect, and consistent with Article III thereof, which Articles provide, in pertinent part:

Article IV. Execution of Instruments - Except as the Board of Directors may authorize by resolution, the Chairman of the Board, President, any Vice-President, any Assistant Vice President, the Secretary, or any Assistant Secretary shall have power on behalf of the Corporation:

(a) to execute, affix the corporate seal manually or by facsimile to, acknowledge, verify and deliver any contracts, obligations, instruments and documents whatsoever in connection with its business including, without limiting the foregoing, any bonds, guarantees, undertakings, recognizances, powers of attorney or revocations of any powers of attorney, stipulations, policies of insurance, deeds, leases, mortgages, releases, satisfactions and agency agreements;

(b) to appoint, in writing, one or more persons for any or all of the purposes mentioned in the preceding paragraph (a), including affixing the seal of the Corporation.

Article III. Officers, Section 3.11. Facsimile Signatures. The signature of any officer authorized by the Corporation to sign any bonds, guarantees, undertakings, recognizances, stipulations, powers of attorney or revocations of any powers of attorney and policies of insurance issued by the Corporation may be printed, facsimile, lithographed or otherwise produced. In addition, if and as authorized by the Board of Directors, dividend warrants or checks, or other numerous instruments similar to one another in form, may be signed by the facsimile signature or signatures, lithographed or otherwise produced, of such officer or officers of the Corporation as from time to time may be authorized to sign such instruments on behalf of the Corporation. The Corporation may continue to use for the purposes herein stated the facsimile signature of any person or persons who shall have been such officer or officers of the Corporation, notwithstanding the fact that he may have ceased to be such at the time when such instruments shall be issued.

IN WITNESS WHEREOF, United States Fire Insurance Company has caused these presents to be signed and attested by its appropriate officer and its corporate seal hereunto affixed this 10<sup>th</sup> day of March, 2016.



UNITED STATES FIRE INSURANCE COMPANY

*A.R.S.*

Anthony R. Slimowicz, Senior Vice President

State of New Jersey }  
County of Morris }

On this 10<sup>th</sup> day of March 2016, before me, a Notary public of the State of New Jersey, came the above named officer of United States Fire Insurance Company, to me personally known to be the individual and officer described herein, and acknowledged that he executed the foregoing instrument and affixed the seal of United States Fire Insurance Company thereto by the authority of his office.

SONIA SCALA  
NOTARY PUBLIC OF NEW JERSEY  
MY COMMISSION EXPIRES 3/25/2019

Sonia Scala

*Sonia Scala*

(Notary Public)

I, the undersigned officer of United States Fire Insurance Company, a Delaware corporation, do hereby certify that the original Power of Attorney of which the foregoing is a full, true and correct copy is still in force and effect and has not been revoked.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of United States Fire Insurance Company on the 7<sup>th</sup> day of August 2018.

UNITED STATES FIRE INSURANCE COMPANY



*A.L.Wright*

Al Wright, Senior Vice President

UNITED STATES FIRE INSURANCE COMPANY  
1209 ORANGE STREET, WILMINGTON, DELAWARE 19801

STATEMENT OF ASSETS, LIABILITIES, SURPLUS AND OTHER FUNDS

AT DECEMBER 31, 2017

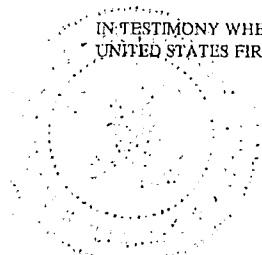
ASSETS	
Bonds (Amortized Value).....	852,724,517
Preferred Stocks (Market Value).....	2,500,000
Common Stocks (Market Value).....	1,278,534,869
Cash, Cash Equivalents, and Short Term Investments.....	1,110,717,497
Derivatives.....	11,462,474
Other Invested Assets.....	335,759,125
Investment Income Due and Accrued.....	8,013,891
Premiums and Considerations.....	237,021,943
Amounts Recoverable from Reinsurers.....	23,944,019
Funds Held by or Deposited with Reinsured Companies.....	4,521,882
Current Income Taxes Recoverable.....	324,900
Net Deferred Tax Asset.....	135,312,662
Electronic Data Processing Equipment.....	3,772,271
Receivables from Parent, Subsidiaries and Affiliates.....	26,323,495
Other Assets.....	63,413,033
<b>TOTAL ASSETS.....</b>	<b>4,094,346,578</b>

LIABILITIES, SURPLUS & OTHER FUNDS	
Losses (Reported Losses Net of Reinsurance Ceded and Incurred But Not Reported Losses).....	1,570,075,192
Reinsurance Payable on Paid Losses and Loss Adjustment Expenses.....	76,325,088
Loss Adjustment Expenses.....	394,866,509
Commissions Payable, Contingent Commissions and Other Similar Charges.....	6,115,178
Other Expenses (Excluding Taxes, Licenses and Fees).....	53,552,681
Taxes, Licenses and Fees (Excluding Federal Income Taxes).....	20,497,732
Unearned Premiums.....	504,835,046
Advance Premium.....	3,459,204
Ceded Reinsurance Premiums Payable.....	23,031,797
Funds Held by Company under Reinsurance Treaties.....	16,414,772
Amounts Withheld by Company for Account of Others.....	68,163,429
Provision for Reinsurance.....	900,479
Payable to Parent, Subsidiaries and Affiliates.....	21,048,714
Other Liabilities.....	32,798,898
<b>TOTAL LIABILITIES.....</b>	<b>\$2,792,084,719</b>
Common Capital Stock.....	12,210,000
Gross Paid In and Contributed Surplus.....	1,115,644,940
Unassigned Funds (Surplus).....	174,406,919
Surplus as Regards Policyholders.....	1,302,261,859
<b>TOTAL LIABILITIES, SURPLUS &amp; OTHER FUNDS.....</b>	<b>54,094,346,578</b>

I, Carmine Scaglione, Vice President and Controller of UNITED STATES FIRE INSURANCE COMPANY, certify that the foregoing is a fair statement of Assets, Liabilities, Surplus and Other Funds of this Company, at the close of business, December 31, 2017, as reflected by its books and records and as reported in its statement on file with the Insurance Department of the State of Delaware.



IN TESTIMONY WHEREOF, I have set my hand and affixed the seal of the Company, this 6th day of March, 2018.  
UNITED STATES FIRE INSURANCE COMPANY



## Sue Smith

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**From:** Michael Ellis <MEllis@Pennoni.com>  
**Sent:** Friday, May 5, 2017 2:04 PM  
**To:** Mark Miller (mmiller@eastgoshen.org)  
**Cc:** rsmith@eastgoshen.org  
**Subject:** RCSTP Caustic Soda cost  
**Attachments:** DRAFT RCSTP Alkalinity memo 2-10-17.pdf

Hi Mark,

As requested, an off-the-cuff budget-level cost opinion for the design and construction of a permanent caustic soda chemical treatment system is \$150,000. Breakdown follows:

±3,000 gal Tank and Containment	\$40,000
Pumps, Piping, and Valves	\$40,000
Electrical and Controls	\$30,000
Engineering, Permitting, Construction Admin & Inspections	\$25,000
SUBTOTAL	\$135,000
Allowance for Lean-To Structure Over Exterior Tank	\$15,000
TOTAL	\$150,000

This opinion is based upon a double-walled tank being located outside in the paved area on the SE side of the building with a new containment curb. A lean-to type roof could be constructed over the tank, but it would not be required.

For reference, our prior budgetary cost opinion for the permanent caustic soda system feeding into the screen building was \$110,000. See the last page of the attachment. The cost has increased because the currently proposed concept would require 4 chemical feeds and associated piping (1 to each SBR tank) instead of only 1 feed into the screen building.

Mike



**RCSTP SBR Tanks Coating Replacement  
Opinion of Probable Construction Costs**

EGMA1705  
11/9/2017

**PRE-DESIGN BUDGETARY OPINION**

Description	Quantity	Unit	Unit Price	Cost
<b>Tank 1</b>				
86' x 16' Wall Coating Removal	1,376	SF	\$ 5	\$ 6,880
2 - 86' x 24' Walls Coating	4,128	SF	\$ 20	\$ 82,560
2 - 20' x 24' Walls Coating	960	SF	\$ 20	\$ 19,200
20' x 86' Floor Slab Coating	1,720	SF	\$ 20	\$ 34,400
<b>Subtotal</b>				\$ <b>143,040</b>
<b>Tank 2</b>				
2 - 86' x 16' Wall Coating Removal	2,752	SF	\$ 5	\$ 13,760
2 - 86' x 24' Walls Coating	4,128	SF	\$ 20	\$ 82,560
2 - 20' x 24' Walls Coating	960	SF	\$ 20	\$ 19,200
20' x 86' Floor Slab Coating	1,720	SF	\$ 20	\$ 34,400
<b>Subtotal</b>				\$ <b>149,920</b>
<b>Tank 3</b>				
2 - 86' x 16' Wall Coating Removal	2,752	SF	\$ 5	\$ 13,760
2 - 86' x 24' Walls Coating	4,128	SF	\$ 20	\$ 82,560
2 - 20' x 24' Walls Coating	960	SF	\$ 20	\$ 19,200
20' x 86' Floor Slab Coating	1,720	SF	\$ 20	\$ 34,400
<b>Subtotal</b>				\$ <b>149,920</b>
<b>Tank 4</b>				
86' x 16' Wall Coating Removal	1,376	SF	\$ 5	\$ 6,880
2 - 86' x 24' Walls Coating	4,128	SF	\$ 20	\$ 82,560
2 - 20' x 24' Walls Coating	960	SF	\$ 20	\$ 19,200
20' x 86' Floor Slab Coating	1,720	SF	\$ 20	\$ 34,400
<b>Subtotal</b>				\$ <b>143,040</b>
Subtotal				\$ 585,920
Construction Contingency		Percent	20%	\$ 117,184
<b>TOTAL</b>				\$ <b>703,104</b>

NOTE: An engineering opinion of probable construction cost is made by an engineer, and not by a professional construction cost estimator or construction contractor. The accuracy of the engineering opinion cannot be guaranteed.



## Proposed Sewer Capital Improvement Program, updated 8/8/18, PENNON

Project	2018							
	Adopted	2018 Re-est	2019	2020	2021	2022	2023	2024
Barkway PS Muffin Monster	\$ 89,500	\$ 9,000	\$ 67,000					
Ashbridge Force Main	\$ 50,000	\$ 50,000						
Tallmadge Dr. Pipe Repl.	\$ 30,000	\$ 120,000						
Hershey's Mill PS Generator Repl.			\$ 125,000					
Hunt Country PS Mag Meter Repl.			\$ 15,000					
Hunt Country PS Bypass Pump Connection			\$ 5,000					
Hunt Country Muffin Monster			\$ 67,000					
Ridley Creek Collection Meters		\$ 12,000	\$ 12,000	\$ 12,000				
RCSTP Generator Repl. (older generator)			\$ 150,000					
RCSTP SBR Tank Lining Rehab				\$ 221,000	\$ 228,000	\$ 235,000	\$ 243,000	
Sewer Rehab Pipe/Manhole Lining	\$ 100,000	\$ 160,000	\$ 130,000	\$ 134,000	\$ 139,000	\$ 144,000	\$ 149,000	\$ 154,000
Flow Meter Modem Replacement		\$ 10,000						

RCSTP Caustic Soda System

\$ 160,000

Total	\$ 269,500	\$ 361,000	\$ 571,000	\$ 306,000	\$ 360,000	\$ 372,000	\$ 384,000	\$ 397,000
Total Net of Projects Paid from Sewer Cap Reserve	\$ 219,500	\$ 311,000	\$ 296,000	\$ 306,000	\$ 360,000	\$ 372,000	\$ 384,000	\$ 397,000

## II COMMENTS

### Notes

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May have offsetting grant revenue

Sewer Cap Reserve (no impact on rates) / covers 200-250 LF replacement; \$500,000-\$1Million for full replacement

Based on re-bid amount with stone and professional/inspection services

Sewer Cap Reserve (no impact on rates)/consider increase to \$125,000 to cover design and roof/wall replacement too

Consider moving to 2019 to coincide with other Bypass Pump Connection (can possibly use same vault for both); increase to \$15,000 to allow for larger vault

Assume same scope as Barkway PS Muffin Monster

A 3rd meter is planned

Sewer Cap Reserve (no impact on rates)

based on 2017 est. (\$143-150K each), 12% prof. services for design and inspections, 20% contingency, and 3% escalation/yr starting in 2019

started at \$130K with 3% escalation/yr; covers 2500-3000 LF/yr and prof. services; possibly consider increasing to \$150K to \$175K/yr to rehab more pipe



**Executive Summary**

The Ridley Creek sewage treatment plant outfall 001 achieved compliance with the permitted effluent discharge limitations for during the month of June 2018. Discharge to the Applebrook storm water lagoon continued during the month. Chemical usage utilized for total phosphorus removal, pH and total alkalinity remained consistent with previous months. No significant mechanical or operational issues were observed during operation of sludge dewatering equipment or SBR treatment process.

**Treatment Process Operation**

Table 1 illustrates the final effluent composite sample data reported for the June 2018 DMR.

**Table 1**

<b>June 2018 - Final Effluent - Out Fall 001</b>											
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		Phosphorus, Total , mg/L		Fecal Coliform	
	MGD	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	Average	20	125	10	131	2.5	44	0.5	3	200	1,000
	0.75	40		42							
Sample Date											
June 5, 2018	0.277	4.0	9.2	4	9.2	0.150	0.35	0.26	0.60	1	0.0000
June 12, 2018	0.265	4.2	9.3	3	6.6	0.299	0.66	0.32	0.71	1	0.0000
June 19, 2018	0.235	3.5	6.9	4	7.8	0.605	1.19	0.28	0.55	1	0.0000
June 22, 2018	0.334			2	5.6						
June 26, 2018	0.202	2.8	4.7	4	6.7	0.100		0.24	0.40	1	0.0000
June 29, 2018	0.361			3	9.0						
Average	0.279	3.5	7.0	3	7.2	0.335	0.92	0.28	0.55	1	0.0000
Minimum	0.202	2.8	4.7	2	5.6	0.100	0.35	0.24	0.40	1	0.0000
Maximum	0.361	4.2	9.3	4	9.2	0.605	1.19	0.32	0.71	1	0.0000

The total phosphorus monthly average was reported as 0.28 mg/L as compared to the permitted limitation of 0.50 mg/L. Total phosphorus discharge concentrations ranged from 0.24 to 0.32 mg/L. The ammonia as nitrogen monthly concentration



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was reported as 0.335 mg/L as compared to the permit discharge limitation of 2.5 mg/L. The ammonia as N weekly maximum was 0.605 mg/L. The total suspended solids (TSS) monthly concentration was reported as 3 mg/L as compared to the permit discharge limitation of 10 mg/L. The weekly maximum concentration was 4 mg/L as compared to the permit discharge limitation of 15 mg/L.

Table 2 illustrates the final effluent composite sample data reported for the June 2018 DMR.

**Table 2**

<b>June 2018 - Applebrook - Out Fall 002</b>											
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		Phosphorus, Total , mg/L		Fecal Coliform	
	MGD	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	0.75	20	125	21	131	7	44	0.5	3	200	1,000
		40		42							
June 5, 2018	0.1362	4.0	4.5	4	4.5	0.150	0.170	0.26	0.30	1	0.0000
June 12, 2018	0.1462	4.2	5.1	3	3.7	0.299	0.365	0.32	0.39	1	0.0000
June 19, 2018	0.1476	3.5	4.3	4	4.9	0.605	0.745	0.28	0.34	1	0.0000
June 22, 2018	0.1374			2	2.3						
June 26, 2018	0.1464	2.8	3.4	4	4.9	0.100	0.122	0.24	0.29	1	0.0000
June 29, 2018	0.1609			3	4.0						
<b>Average</b>	<b>0.1458</b>	<b>3.6</b>	<b>4.3</b>	<b>3</b>	<b>4.1</b>	<b>0.289</b>	<b>0.350</b>	<b>0.28</b>	<b>0.33</b>	<b>1</b>	<b>0.0000</b>
<b>Minimum</b>	<b>0.1362</b>	<b>2.8</b>	<b>3.4</b>	<b>2</b>	<b>2.3</b>	<b>0.100</b>	<b>0.122</b>	<b>0.24</b>	<b>0.29</b>	<b>1</b>	<b>0.0000</b>
<b>Maximum</b>	<b>0.1609</b>	<b>4.2</b>	<b>5.1</b>	<b>4</b>	<b>4.9</b>	<b>0.605</b>	<b>0.745</b>	<b>0.32</b>	<b>0.39</b>	<b>1</b>	<b>0.0000</b>

The monthly average influent wastewater pollutant concentrations and loading entering the wastewater treatment facility remained within the design concentrations. Composite samples are collected at the influent doghouse manhole and influent wet well. The influent flow meter reading is collected from the influent flow meter located prior to the Screening Building, excluding the internal recycle flows.

Table 3 presents the available pollutant data for the influent wastewater collected at the doghouse manhole during June 2018.



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**Table 3**

<b>June 2018 - Influent Wastewater</b>											
Design Basis	Flow	BOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		TKN, mg/L		Phosphorus, Total, mg/L	
		mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
	MGD Average	335	2,098	320	2,001	32	200	48	301	9.1	57
<b>Sample Date</b>											
June 5, 2018	0.476	124	492	174	691	28.9	115	28.0	111	3.3	13.1
June 12, 2018	0.699	115	457	54	214	33.8	197	40.3	235	4.8	19.1
June 19, 2018	0.515	211	838	103	409	38.3	165	36.0	155	4.8	19.1
June 26, 2018	0.537	180	715	119	473	34.5	155	34.3	154	4.6	18.3
<b>Average</b>	<b>0.557</b>	<b>158</b>	<b>625</b>	<b>113</b>	<b>447</b>	<b>33.9</b>	<b>158</b>	<b>34.7</b>	<b>164</b>	<b>4.4</b>	<b>17.4</b>
<b>Minimum</b>	<b>0.476</b>	<b>115</b>	<b>457</b>	<b>54</b>	<b>214</b>	<b>28.9</b>	<b>115</b>	<b>28.0</b>	<b>111</b>	<b>3.3</b>	<b>13.1</b>
<b>Maximum</b>	<b>0.699</b>	<b>211</b>	<b>838</b>	<b>174</b>	<b>691</b>	<b>38.3</b>	<b>197</b>	<b>40.3</b>	<b>235</b>	<b>4.8</b>	<b>19.1</b>

Table 4 presents the available Outfall 001 final effluent data for the month of July 2018. Continued maintenance activities of cleaning the alum static mixer injector, flushing of the alum chemical piping to the SBRs and weekly draining and cleaning of the disc filters.

**Table 4**

<b>July 2018 - Final Effluent - Out Fall 001</b>											
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		Phosphorus, Total, mg/L		Fecal Coliform	
		mg/L	lbs/month	mg/L	lbs/month	mg/L	lbs/month	mg/L	lbs/month	Geo Mean	Geo Mean
	MGD Average	0.75	20	125	10	131	2.5	44	0.5	3	200
		40		42							
<b>Sample Date</b>											
July 3, 2018	0.182	2.0	3.0	2	3.0	0.155	0.24	0.10	0.15	1	0.0000
July 6, 2018	0.171			3	4.3						
July 10, 2018	0.152	3.6	4.6	3	3.8	0.547	0.69	0.25	0.32	1	0.0000
July 17, 2018	0.127			5	5.3			0.25	0.26		
July 20, 2018	0.160			2	2.7						
July 24, 2018	0.373							0.22	0.68		
July 31, 2018	0.184							0.10	0.15		
<b>Average</b>	<b>0.193</b>	<b>3.6</b>	<b>4.6</b>	<b>3</b>	<b>3.9</b>	<b>0.547</b>	<b>0.69</b>	<b>0.21</b>	<b>0.35</b>	<b>1</b>	<b>0.0000</b>
<b>Minimum</b>	<b>0.127</b>	<b>2.0</b>	<b>3.0</b>	<b>2</b>	<b>2.7</b>	<b>0.155</b>	<b>0.24</b>	<b>0.10</b>	<b>0.15</b>	<b>1</b>	<b>0.0000</b>
<b>Maximum</b>	<b>0.373</b>	<b>3.6</b>	<b>4.6</b>	<b>5</b>	<b>5.3</b>	<b>0.547</b>	<b>0.69</b>	<b>0.25</b>	<b>0.68</b>	<b>1</b>	<b>0.0000</b>



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The facility is anticipated to achieve compliance with the discharge permit limitations during the month of July 2018. Split sampling of the composite sample collected by Applied Laboratory Services (ALS) is ongoing for comparative analysis and daily results.

During July, the presence of foam conditions on the surface of the SBRs remained consistent at approximately 75% coverage of the surface area. The foam thickness is approximately 3 to 4 inches with a light to medium brown color. The warmer water temperatures within the SBRs, coupled with raising the food to mass ratios, the foam concentrations have decreased.

Table 5 presents the available July data for Outfall 002, Applebrook. The discharge limitations for Outfall 002 are anticipated to remain within compliance with the NPDES permit. Discharge to Applebrook, Outfall 002 was 4,343,728 gallons during June.

**Table 5**

<b>July 2018 - Applebrook - Out Fall 002</b>											
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		Phosphorus, Total , mg/L		Fecal Coliform	
	MGD	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	Average	20	125	21	131	7	44	0.5	3	200	1,000
	0.75	40		42							
July 3, 2018	0.1499	2.0	2.5	2	2.5	0.155	0.194	0.10	0.13	1	0.0000
July 6, 2018	0.1576			3	3.9						
July 10, 2018	0.1497	3.6	4.5	3	3.7	0.547	0.683	0.25	0.31	1	0.0000
July 17, 2018	0.0970			5	4.0	0.000	0.000	0.25	0.20		
July 20, 2018	0.1585			2	2.6						
July 24, 2018	0.1518							0.22	0.28		
July 31, 2018	0.1524							0.10	0.13		
Average	0.1453	2.8	3.5	3	3.4	0.234	0.292	0.18	0.21	1	0.0000
Minimum	0.0970	2.0	2.5	2	2.5	0.000	0.000	0.10	0.13	1	0.0000
Maximum	0.1585	3.6	4.5	5	4.0	0.547	0.683	0.25	0.31	1	0.0000

Table 6 presents the available pollutant data for the influent wastewater collected at the doghouse manhole during June 2018.



**Table 6**

<b>July 2018 - Influent Wastewater</b>											
Design Basis	Flow	BOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		TKN, mg/L		Phosphorus, Total, mg/L	
		mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
	MGD Average	335	2,098	320	2,001	32	200	48	301	9.1	57
Sample Date											
July 3, 2018	0.423	131	462	90	317	37.2	131	34.6	122	4.2	14.8
July 10, 2018	0.449	231	815	218	769	33.6	126	29.6	111	5.6	19.8
July 17, 2018	0.301										
July 24, 2018	0.688										
July 31, 2018	0.442										
Average	0.460	181	638	154	543	35.4	128	32.1	116	4.9	17.3
Minimum	0.301	131	462	90	317	33.6	126	29.6	111	4.2	14.8
Maximum	0.688	231	815	218	769	37.2	131	34.6	122	5.6	19.8

Sequencing batch reactors (SBRs) numbered 2, 3 and 4 were in service during May and June. Process monitoring of each SBR included ammonia as N, nitrite as N, Nitrate as N, COD, SSV, MLSS and total phosphorus. Daily analysis of the final effluent flow equalization grab sample is total phosphorus is ongoing. Sample collection and analysis of the influent wastewater collected at the influent pump station wet well is ongoing.

Addition of aluminum sulfate solution to the SBRs to assist with phosphorus removal continued. Soda ash assists towards maintaining SBR pH concentrations above 7.0 standard units and assists to replenish alkalinity consumed during the nitrification process and aluminum sulfate solution addition.

**Significant Rainfall**

During July, there were twelve (12) days when rainfall occurred. Seven (7) storm events resulting in a daily precipitation amount equal to or greater than 0.5 inches measured during a 24-hour period as well as consecutive days of precipitation exceeding 0.5 inches of rainfall. A total of 7.41 inches of rainfall measured during the month. These events occurred on:

July 4<sup>th</sup>                      0.63 inches





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July 15 <sup>th</sup>	0.72 inches
July 18 <sup>th</sup>	0.74 inches
July 22 <sup>nd</sup>	2.11 inches
July 23 <sup>rd</sup>	0.54 inches
July 24 <sup>th</sup>	1.20 inches
July 25 <sup>th</sup>	0.95 inches

*Four (4) consecutive days of rainfall for a total of 4.80 inches*

Plant operations were adjusted to manage the precipitation to prevent exceedances of the permitted discharge limitations for Outfall 001. Adjustments included reading aeration minutes per cycle, extending decant minutes per cycle and reducing settling times.

**PA DEP**

Bill Collins from PADEP conducted an unscheduled inspection of the facility on July 19<sup>th</sup>. The visit went well, and a report should be forthcoming.

**Solids Dewatering and Disposal:**

July 2018	
Gallons of sludge dewatered	205,026
Number of dumpsters	4

*\*Seventeen (17) days of centrifuge operation*

**Chemical Usage:**

July 2018		
Chemical	Daily Average	Total Monthly
Soda Ash	276 lbs	8,250 lbs
Aluminum Sulfate solution	73.3 gallons	2,200 gallons
Polymer (centrifuge)	0.85	14.45 gallons

*\*Seventeen (17) days of centrifuge operation*



**Flow data:**

<b>July 2018</b>			
<b>Flow Meter Location</b>	<b>Total Volume for Month, MG</b>	<b>Average Daily Flow, gpd</b>	<b>Daily Maximum Flow, gpd</b>
Influent Wastewater to Screening Building*	14.548	469,293	703,910
Influent Wastewater to SBRs	12.916	416,646	618,112
Internal Recycle	0.084	2,711	28,992
Treated Effluent to Disc Filters	13.032	420,393	637,824
Final Effluent Discharge	6.326	204,058	867,786
Applebrook Golf Course	4.489	144,821	206,144

The field flow meter recorded elevated flows as compared to the flow meter measuring flow to the SBRs. A zero calibration is planned. Periodic inspection of the flow meter (without confined space entry) has been initiated during July to visually check for debris on the flow meter.

**Minor Preventative Maintenance**

Flushed chemical feed lines to the SBRs.

Cleaned piping within SBR building

Cleaned final effluent weir trough daily

Skimmed surface of disc filters daily

Drained and cleaned disc filters bi-weekly

**Major Preventative Maintenance Activities**

**Centrifuge**

Matt Mullin leveraged his father's name, Tom Mullin, who worked for Alfa Laval for 30 years was able to gain Alfa Laval's agreement to send the Township a new centrifuge have conveyor removal bolt for free. They wanted \$780 for the new piece. The part is anticipated to arrive around August 20. Just wanted to give you the heads-up so you know what you're getting when it arrives.



### **Blower B1B**

The blower was removed and sent out for evaluation by the Township.

### **SBR 2**

Dutchland is required to complete the necessary repairs prior to removing SBR 3 from service.

### **Filter Feed Pump Number 3**

The pump was removed on July 20<sup>th</sup> and sent out to Deckman' overhaul and rebuild. The pump was returned to the plant. Reinstallation is scheduled for August.

### **July 20, 2018**

Matthew and I have removed the final Filter Feed Pump #3 to be rebuilt. It is lying on a skid, ready for pick-up. Also, we removed the malfunctioning blower motor. I don't know if you plan on rebuilding it, or getting a new motor, but it is also lying on a skid for pick-up.

### **July 22, 2018**

The influent flow chart recorder was observed to flashing an "Electronics Failure" causing Circular chart to not work correctly. John Laidely will be scheduled to investigate the chart recorder.

DRAFT  
EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY  
MEETING MINUTES  
July 9, 2018

The East Goshen Township Municipal Authority held their regular public meeting on Monday, July 9, 2018 at 7:00 pm at the East Goshen Township building. Members in attendance were: Chairman Jack Yahraes, Dana Pizarro, Kevin Cummings and Phil Mayer. Also in attendance were: Jon Altshul (Asst. Township Manager), Carmen Battavio (Township Supervisor), Mike Ellis (Pennoni), and Scott Towler (Plant Operator).

**COMMON ACRONYMS:**

<i>BFES – Big Fish Environmental Services</i>	<i>MA- Municipal Authority</i>
<i>BOS – Board of Supervisors</i>	<i>NPDES – National Pollutant Discharge Elimination System</i>
<i>CB – Conservancy Board</i>	<i>PC – Planning Commission</i>
<i>DEP – Department of Environmental Protection</i>	<i>PM – Prevention Maintenance</i>
<i>EPA – Environmental protection Agency</i>	<i>PR – Park &amp; Recreation Board</i>
<i>HC – Historical Commission</i>	<i>RCSTP – Ridley Creek Sewer Treatment Plant</i>
<i>I&amp;I – Inflow &amp; Infiltration</i>	<i>SBR – Sequencing Batch Reactor</i>
<i>LCSTP – Lockwood Chase Sewer Treatment Plant</i>	<i>SSO – Sanitary System Overflow</i>
	<i>WAS – Waste Activated Sludge</i>

**Call to Order & Pledge of Allegiance**

Jack called the meeting to order at 7:00 pm and led those present in the Pledge of Allegiance. There was a moment of silence to remember our troops and first responders. Jack asked if anyone would be recording the meeting. There was no response.

**Chairman’s Report**

Jack reported that West Goshen did not have a meeting last week 7/4. They are meeting this week on July 12<sup>th</sup>.

**Sewer Reports**

**1. Director of Public Works, Mark Miller’s report for June:**

Monthly Flows: The average daily flow to West Goshen was 782,000 gallons per day. No problems to report.

Meters: The meters are being read on a daily basis. We had to clean the meter pits as part of our maintenance.

C.C. Collection: The pump stations were checked on a daily basis. There were no problems at any of the pump stations for the month of June. We received a call for a clogged lateral at 612 Marydell Dr. We tried to plunge the line but that was unsuccessful so we tried to jet the lateral. After several attempts we cleared the lateral. Aqua Water will be replacing the water lines in Marydell so we cleaned and televised the lines and physically marked the laterals. We cleaned and televised 6500 lf of pipe

R.C. Collection: The station was visited on a daily basis. The wet well was cleaned twice this month due to excessive grease build up. We cleaned and televised the sewer lines in the Hadleigh Development in preparation of the road paving.

R.C. Plant: Blower B1B failed and has been removed and taken to Deckens for repair. Scott asked me to get the influent meter checked as it was reading high. John Laidly was notified

1 and came out. He removed the probe and placed it back in service. John recommended that  
2 we plug the influent line so he can calibrate the meter. I ordered a plug in the event he  
3 decides to plug the line.

4 Alarms: We responded to 25 alarms for June, which were all various issues.

5 PA One Calls: We received 74 PA One calls for June.

6 Lateral Repairs: We received 11 requests for sewer caps between both systems.  
7

## 8 **2. Pennoni Engineer's Report for June**

9 Mike Ellis provided the following report.

### 10 **Invoices**

- 11 • Invoices with summaries are provided under separate cover.

### 12 **Ridley Creek Sewage Treatment Plant (RCSTP)**

- 13 • Caustic soda pilot study – We are analyzing study data in coordination with Big Fish. We  
14 anticipate a summary report will be issued prior to the August MA meeting.

### 15 **RCSTP and Pump Stations' O&M Manual**

- 16 • We recommend the Manual be revisited in July-August 2018 to determine if updates are  
17 needed and/or if new information has become available to incorporate.  
18

### 19 **Supplee Valley Pipe Lining**

20 • SWERP completed lining of all contracted sewers on February 21. They subsequently  
21 installed supplemental lateral saddle liners in 3 of 6 locations in April that were approved via change  
22 order. One of the lateral locations cannot be lined or grouted due to the severe angle of connection  
23 between the lateral and the main; however, this location only had a very minor infiltration leak. We  
24 are continuing to coordinate with the PW Department and SWERP to evaluate the feasibility of  
25 installing saddles in the other two difficult to access laterals as well as the one spot repair lateral liner  
26 that was approved via change order. Lastly, the contractor still needs to perform injection grouting in  
27 two manholes. Once we resolve the accessibility, we will pursue a schedule from the contractor to  
28 complete the work. *No update since our last report. Accessibility has been resolved but SWERP has  
29 not provided a schedule to complete the work.*

### 30 **Barkway Pump Station Grinder**

- 31 • We met with Mark Miller on June 5 to review our design plans. We are re-evaluating the  
32 feasibility of coring the wet well to run the hydraulic lines rather than entering through the top  
33 of the wet well steel hatch. However, a site investigation is required to accurately determine  
34 coring feasibility due to inconsistencies in how the foundation is shown on the original pump  
35 station design plans. The design plans will be finalized thereafter. *No update sine our last  
36 report.*  
37  
38  
39  
40  
41

1 **Ashbridge Pump Station Force Main**

- 2
- 3 • Test pits will be performed to identify backfill conditions along Manley Road with one test pit
  - 4 on Edith Road, as recommended by the Municipal Authority, when weather permits. *No*
  - 5 *update since our last report.*

6 **Tallmadge Drive Sewer Main Replacement**

- 7 • We revised the bid document for re-bid including insurance changes a discussed at the June
- 8 MA meeting. The fist advertisement will be issued on July 9, and the following re-bid
- 9 schedule is proposed:
  - 10 ○ Bids Due = August 7
  - 11 ○ Award = August 13
  - 12 ○ Contract Execution = late August
  - 13 ○ Construction = Anytime between late August and December 15 (must be completed
  - 14 within 20 consecutive days).

15 **I&I Support and Reporting**

- 16 • We intend to analyze meter data and submit the next semi-annual I&I report following
- 17 completion of the Supplee Valley pipe lining project so that the impact of that project can be
- 18 assessed. That report will likely be issued in the July-August timeframe. We propose to
- 19 make a summary Powerpoint presentation at the MA meeting immediately thereafter. *No*
- 20 *update since our last report.*

21 **New Connections**

- 22 • We reviewed two revised plan submissions for a proposed residential grinder pump sewer
- 23 Connection at 1506 Meadowbrook Lane.

24 **West Goshen Sewer System Consultation**

- 25 • No activity since last report.

26

27 **3. Big Fish Environmental Services** – Scott’s report showed that the Ridley Creek sewage

28 treatment plant outfall 001 achieved compliance with the permitted effluent discharge limitations

29 during the month of May 2018. Discharge to the Applebrook storm water lagoon continued during

30 the month. Chemical usage utilized for total phosphorus removal, pH and total alkalinity remained

31 consistent with previous months. No significant mechanical or operational issues were observed

32 during operation of sludge dewatering equipment or SBR treatment process.

33 Scott reported that SBR1 is back in service and SBR2 is cleaned and ready to go on line. On July 26

34 he wants to take SBR3 off line.

35 Mike mentioned that they need to check for blisters. The Dutchland agreement is coming to an end.

36 Kevin wants a letter sent to them about the cement coating. Carmen mentioned that the attorney was

37 supposed to write a letter a few months ago. Jon will check on this.

38 Scott spoke about the heat at the plant in the summer. He suggested additional fans to move the hot

39 air around. He also discussed the need for 4 new capacitors. Actuators and flow meters were

40 discussed.

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**Approval of Minutes**

The minutes of the June 11, 2018 meeting were approved as corrected.

**Approval of Invoices**

1. Kevin moved to approve payment of the following Pennoni invoices:

- a. Pennoni #808974 \$ 581.48
- b. Pennoni #808975 \$ 327.75
- c. Pennoni #808976 \$4,869.00
- d. Pennoni #808977 \$ 30.75

Phil seconded the motion. The motion passed unanimously.

2. Phil moved to approve payment of the Gawthrop Greenwood invoice #196673 for \$440.00. Dana seconded the motion. The motion passed unanimously.

**Liaison Reports**

Board of Supervisors - Carmen reported that Community Day was a success.

**Financial Reports**

Lynn LeBlanc provided the following written report:  
In June, the Municipal Authority recorded \$13,167 in income (including \$30,000 from a transfer from the Sewer Operating Fund) and \$11,917 in expenses for a positive variance of \$2,962.99  
As of June 30<sup>th</sup>, the MA fund balance was \$25,009.78.

**Engineering Budget** - Jon discussed engineering costs. He provided spreadsheets showing the project, amount budgeted, where funds were budgeted and actual costs YTD 2018. Phil moved to make a separate line item for Talmadge Drive in the amount of \$14,000. Dana seconded the motion. The motion passed unanimously.

**Sewer Capital Improvement Program** - Jon discussed this proposed program showing proposed cost of projects through 2024. He explained that some items already have funds set aside. He explained how sewer rates are assessed every April based on the water use report from Suburban Water. Mark Miller's 5 year project list was discussed. He is requesting replacement of modems on 5 meters costing \$8,600.  
Kevin moved to approve \$8,600 to purchase 5 modems with a charge back to West Goshen for one. Dana seconded the motion. The motion passed unanimously.

**Adjournment**

There being no further business, Phil moved to adjourn the meeting. Dana seconded the motion. The meeting was adjourned at 8:10 p.m. The next regular meeting will be held on Monday, August 13, 2018 at 7:00 pm.

Respectfully submitted,  
  
Ruth Kiefer  
Recording Secretary



Gawthrop Greenwood, PC  
Attorneys at Law

17 East Gay Street, Suite 100 | (p) 610-696-8225  
West Chester, PA 19381-0562 | (f) 610-344-0922  
gglaw@gawthrop.com | www.gawthrop.com

East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester PA 19380

Page: 1  
07/12/2018  
Client No: 6604-001M  
Invoice No. 197989

General Authority Services

Fees

		<u>Hours</u>		
06/11/2018	SLF			
	Preparation for and attendance at monthly meeting.	1.50		
	For Current Services Rendered	1.50		300.00
<u>Recapitulation</u>				
	<u>Timekeeper</u>		<u>Hours</u>	<u>Hourly Rate</u>
	Stacey L. Fuller		1.50	\$200.00
				<u>Total</u>
	Previous Balance			\$440.00
	Total Current Charges			300.00
06/21/2018	Payment			-440.00
	Balance Due			<u>\$300.00</u>

To ensure proper credit, please write client number on your check when returning payment. Thank You.  
A finance charge of 1.25% per month (15% annually) may be charged on balances not paid 60 days after the invoice date.



# Memo

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To: Municipal Authority  
From: Jon Altshul  
Re: MA July Financial Report  
Date: August 6, 2018

---

In July, the Municipal Authority recorded \$1,985 in income (including \$2,000 for the Three Tun Tavern tap-in fee and -\$15 for banking fees) and \$19,160 in expenses (primarily for engineering), for a negative variance of \$17,174.42. The fund balance is \$7,836.

Note that the 2018 budget has been amended to reflect \$14,000 for Tallmadge Drive engineering, per the decision at the July meeting.

I have also included an updated proposed sewer CIP worksheet for your review.

## Proposed Sewer Capital Improvement Program, updated 8/8/18, PENNONI COMMENTS

Project	2018 Adopted	2018 Re-est	2019	2020	2021	2022	2023	2024	Notes
Barkway PS Muffin Monster	\$ 89,500	\$ 9,000	\$ 67,000						May have offsetting grant revenue
Ashbridge Force Main	\$ 50,000	\$ 50,000							Sewer Cap Reserve (no impact on rates) / covers 200-250 LF replacement; \$500,000-\$1Million for full replacement
Tailmadge Dr. Pipe Repl.	\$ 30,000	\$ 120,000							Based on re-bid amount with stone and professional/inspection services
Hershey's Mill PS Generator Repl.			\$ 125,000						Sewer Cap Reserve (no impact on rates)/consider increase to \$125,000 to cover design and roof/wall replacement too
Hunt Country PS Mag Meter Repl.			\$ 15,000						Consider moving to 2019 to coincide with other Bypass Pump Connection (can possibly use same vault for both); increase to \$15,000 to allow for larger vault
Hunt Country PS Bypass Pump Connection			\$ 5,000						Assume same scope as Barkway PS Muffin Monster
Hunt Country Muffin Monster			\$ 67,000						A 3rd meter is planned
Ridley Creek Collection Meters		\$ 12,000	\$ 12,000	\$ 12,000					
RCSTP Generator Repl. (older generator)			\$ 150,000						Sewer Cap Reserve (no impact on rates)
RCSTP SBR Tank Lining Rehab					\$ 221,000	\$ 228,000	\$ 235,000	\$ 243,000	based on 2017 est. (\$143-150K each), 12% prof. services for design and inspections, 20% contingency, and 3% escalation/yr starting in 2019
Sewer Rehab Pipe/Manhole Lining	\$ 100,000	\$ 160,000	\$ 130,000	\$ 134,000	\$ 139,000	\$ 144,000	\$ 149,000	\$ 154,000	started at \$130K with 3% escalation/yr; covers 2500-3000 LF/yr and prof. services; possibly consider increasing to \$150K to \$175K/yr to rehab more pipe
Flow Meter Modem Replacement		\$ 10,000							
RCSTP Caustic Soda System				\$ 160,000					\$150K budgetary estimate in 2018 with 3% escalation/yr
<b>Total</b>	<b>\$ 269,500</b>	<b>\$ 361,000</b>	<b>\$ 571,000</b>	<b>\$ 306,000</b>	<b>\$ 360,000</b>	<b>\$ 372,000</b>	<b>\$ 384,000</b>	<b>\$ 397,000</b>	<b>updated totals</b>
<b>Total Net of Projects Paid from Sewer Cap Reserve</b>	<b>\$ 219,500</b>	<b>\$ 311,000</b>	<b>\$ 296,000</b>	<b>\$ 306,000</b>	<b>\$ 360,000</b>	<b>\$ 372,000</b>	<b>\$ 384,000</b>	<b>\$ 397,000</b>	

EAST GOSHEN TOWNSHIP  
Other Funds  
July 2018  
Municipal Authority

Account Title	Acct #	Annual Budget	Y-T-D Budget	Y-T-D Actual	Y-T-D Variance	M-T-D Budget	M-T-D Actual	M-T-D Variance
<b>REVENUE</b>								
INTEREST EARNINGS	07341 1000	10	6	(71.62)	(77.62)	1	(14.60)	(15.60)
CAPITAL RESERVE-INTEREST	07341 1010							
INTEREST EARNED - CONSTRUCTION	07341 1020	50	50	613.94	563.94			
DGED GRANT	07354 0400							
C.C. TAPPING FEES	07364 1100	8,000	4,000		(4,000.00)			
R.C.TAPPING FEES	07364 1110	2,000	2,000	2,000.00			2,000.00	2,000.00
M.C. LOAN PAYMENTS	07364 1120							
CONNECTION FEES - SEWER	07364 1130	1,692	846	1,127.52	281.52			
MISCELLANEOUS REVENUE	07380 1000			564.48	564.48			
TRANSFER FROM GENERAL ACCT	07392 0100			71.30	71.30			
TRANSFER FROM SEWER OPERATING	07392 0500	89,853	44,247	60,000.00	15,753.00	6,321		(6,321.00)
TRANSFER-ANNUAL CAP.RESERVE	07392 0510							
GRANT REVENUE	07392 0800							
LOAN PROCEEDS - SEWER PROJECT	07392 0804							
TRANSFER FROM SEWER CAP RESERVE	07392 0900							
TRANSFER FROM RCSTP BUDGET	07392 0990							
LOAN PROCEEDS-SEWER PROJECT	07393 1001							
<b>TOTAL REVENUE</b>		<b>101,605</b>	<b>51,149</b>	<b>64,305.62</b>	<b>13,156.62</b>	<b>6,322</b>	<b>1,985.40</b>	<b>(4,336.60)</b>
<b>EXPENSES</b>								
ADMINISTRATIVE WAGES	07424 1400	32,411	16,205	16,320.66	(115.66)			
R.C. LOAN ISSUANCE COSTS	07424 1500							
MISCELLANEOUS EXPENSE	07424 3000	2,500	1,458	1,336.00	122.00	208		208.00
MUNIC.AUTH.-AUDITING	07424 3110	9,384	9,384	9,400.00	(16.00)			
ENGINEERING SERVICES	07424 3130	43,260	25,235	53,689.39	(28,454.39)	3,605	6,323.07	(2,718.07)
LEGAL SERVICES	07424 3140			2,920.00	(2,920.00)		300.00	(300.00)
W.G. C.C.STP-UPGRADE	07424 7400							
MANHOLE COVER REPLACEMENTS	07424 7405							
C.C. CAPITAL - METERS	07424 7410							
C.C. CAPITAL- COLLECTION	07424 7420							
C.C. CAPITAL- INTERCEPTOR	07424 7430							
CAPITAL PROJ.-ENGINEERING	07424 7431							
R.C. CAPITAL-STP	07424 7440							
R.C. CAPITAL - COLLECTION	07424 7450							
R.C.-CAP. PROJ.-ENGINEER	07424 7451							
R.C. CAP EXPANSION GEN'L CONTRACTOR	07424 7452							
R.C. CAP EXPANSION - ELECTRICAL	07424 7453							
R.C. CAP EXP CONTINGENCY CAPITAL	07424 7454							
R.C. CAP EXP CONTINGENCY ONGOING	07424 7455							

EAST GOSHEN TOWNSHIP  
Other Funds  
July 2018  
Municipal Authority

Account Title	Acct #	Annual Budget	Y-T-D Budget	Y-T-D Actual	Y-T-D Variance	M-T-D Budget	M-T-D Actual	M-T-D Variance
R.C. CAP EXP ADDITIONAL CONTINGENCY	07424 7456							
LOCHWOOD - CAPITAL -STP	07424 7460							
LOCHWOOD-CAPITAL-COLLECT.	07424 7470							
LOCHWOOD ABANDONMENT ENGINEER	07424 7475							
LOCHWOOD ABANDONMENT CONSTRUCTION	07424 7476							
LOCHWOOD ELIMINATION PHASE 2	07424 7477							
CAP.REPLACEMENT R.C.	07424 7490							
CAPITAL REPLACEMENT ASHRIDGE	07424 7491							
MARYDELL PUMP STATION - ENGINEER	07425 1000							
MARYDELL PUMP STATION -CONSTRUCTION	07425 2000							
HERSHEY MILL STATION - ENGINEER	07426 1000							
HERSHEY MILL STATION - CONSTRUCTION	07426 2000							
TALMADGE DRIVE	07426 3000	14,000	8,166	12,536.75	(4,370.75)	1,167	12,536.75	(11,370.08)
RESERVE PUMP STATION - ENGINEER	07427 1000							
RESERVE PUMP STATION - CONSTRUCTION	07427 2000							
RESERVOIR PUMP STATION - ENGINEER	07428 1000			188.00	(188.00)			
RESERVOIR PUMP STATION CONSTRUCTION	07428 2000							
ASBESTOS CONCRETE ENGINEERING	07429 3130							
DIVERSION PROJ.- LEGAL	07429 3166							
WEST GOSHEN CAPITAL	07429 6100	59,736	59,736	102,339.08	(42,603.08)			
M.C.-DVRFA-DEBT SERVICE	07471 1000							
M.A.-R.C. DEBT SERVICE	07471 1010							
DVRFA PUMPING STATIONS - PRINCIPAL	07471 2000							
M.C.-DVRFA-INTEREST PAYM	07472 1000							
M.A.-R.C. INTEREST	07472 1010							
DVRFA PUMPING STATIONS - INTEREST	07472 2000							
TRANSFER TO GENERAL FUND	07492 0100			71.30	(71.30)			
TRANSFER TO SEW.OPERATING	07492 0500							
TRF TO SEWER SINKING FUND	07492 0550							
TRANSFER TO AUTHORITY CAP FUND	07492 0990							
<b>TOTAL EXPENSES</b>		161,291	120,184	198,801.18	(78,617.18)	4,980	19,159.82	(14,180.15)
<b>NET RESULT FROM OPERATIONS</b>		(59,686)	(69,035)	(134,495.56)	(65,460.56)	1,342	(17,174.42)	(18,516.75)

East Goshen Township General Ledger

Report Date 08/06/18

GL Transaction Details

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07341-1000					0.00				
		INTEREST EARNINGS							
	1801	JE 61740		0.31		02/02/18	INTEREST		INTEREST EARNED JANUARY 2018 07 FUND
	1801		0.00	0.31	-0.31				
	1802	61932		0.20		02/14/18	INTEREST		INTEREST ADJ. FROM JAN.2018 7105.2000
		62159		0.54		03/05/18	INTEREST		INTEREST EARNED FEBRUARY 2018 07 FUND
	1802		0.00	0.74	-1.05				
	1803	EX 62192	15.00			03/06/18	62192 1		REIMBURSE S/R FOR BANK FEES INTEREST EARNINGS
		JE 62535		0.47		04/02/18	INTEREST		INTEREST EARNED MARCH 2018 07 FUND
	1803		15.00	0.47	13.48				
	1804	EX 62551	15.00			04/02/18	62551 1		REIMB.S/R FOR 3/2018 BANK FEES INTEREST EARNINGS
		JE 62904		0.55		05/01/18	INTEREST		INTEREST EARNED APRIL 2018 07 FUND
	1804		15.00	0.55	27.93				
	1805	EX 62911	15.00			05/01/18	62911 1		REIMBURSMT- 4/2018 BANK FEES INTEREST EARNINGS
		63388	15.00			06/01/18	63388 1		BANK FEES - MAY 2018 INTEREST EARNINGS
		63449		15.00		06/05/18	REVERSE		REVERSE TRX 63388 EXPENSE TO BE ENTERED IN JUNE NOT MAY
		JE 63377		0.51		06/01/18	INTEREST		INTEREST EARNED MAY 2018 07 FUND
	1805		30.00	15.51	42.42				
	1806	EX 63459	15.00			06/05/18	63459 1		REIMBURSE S/R FOR MAY '18 FEES INTEREST EARNINGS
		JE 63815		0.40		07/03/18	INTEREST		INTEREST EARNED JUNE 2018 07100.1035
	1806		15.00	0.40	57.02				

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Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07341-1000	1807	EX	63820	15.00			07/03/18	63820 5		REIMBURSE S/R - 6/2018 BK.FEES INTEREST EARNINGS
			64317		15.00		07/30/18	64317 1		REVERSE EXP.TRX 63820 M&T BANK - GEN'L CHKG # 98526374
			64322	15.00			07/30/18	64322 1		REIMBURSE S/R - 6/2018 BK.FEES INTEREST EARNINGS
		JE	64264		0.40		08/02/18	INTEREST		INTEREST EARNED JULY 2018 07100.1035
				1807	30.00	15.40	71.62			
07341-1000	****	***	****	105.00	33.38	71.62				
07341-1020	INTEREST EARNED - CONSTRUCTION					0.00				
	1801		61740		391.64		02/02/18	INTEREST		INTEREST EARNED JANUARY 2018 07 FUND
	1801			0.00	391.64	-391.64				
	1802		62159		69.31		03/05/18	INTEREST		INTEREST EARNED FEBRUARY 2018 07 FUND
	1802			0.00	69.31	-460.95				
	1803		62535		81.66		04/02/18	INTEREST		INTEREST EARNED MARCH 2018 07 FUND
	1803			0.00	81.66	-542.61				
	1804		62904		71.30		05/01/18	INTEREST		INTEREST EARNED APRIL 2018 07 FUND
	1804			0.00	71.30	-613.91				
	1805		63377		0.03		06/01/18	INTEREST		INTEREST EARNED MAY 2018 07 FUND
	1805			0.00	0.03	-613.94				
07341-1020	****	***	****	0.00	613.94	-613.94				

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07364-1110	R.C.TAPPING FEES				0.00				
	1807 RE	63982		2,000.00		07/13/18	ROBERTS		TAP IN FEE FOR MARLIN DR R.C.TAPPING FEES
	1807		0.00	2,000.00	-2,000.00				
07364-1110	****	***	****	0.00	2,000.00	-2,000.00			
07364-1130	CONNECTION FEES - SEWER				0.00				
	1801 CR	61617		423.00		01/25/18	2572	10606	1 STOFFLET, MICHAEL
	1801		0.00	423.00	-423.00				
	1802	61894		423.00		02/13/18	494	10607	1 JACOBS, ROBERT & CHERYL
		62079		423.00		02/27/18	148	10605	1 GEORGE SMITH & CHRISTINA CONLE
	JE	61900	282.24			02/13/18	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT JACOBS & STOFFLET INTEREST
		62080	141.12			02/27/18	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
	1802		423.36	846.00	-845.64				
	1803 CR	62407		423.00		03/23/18	0011373243	10608	1 PAPPANO, JOSEPH & PATRICIA
	JE	62411	141.12			03/23/18	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT RC214 PAPPANO
	1803		141.12	423.00	-1,127.52				
07364-1130	****	***	****	564.48	1,692.00	-1,127.52			
07380-1000	MISCELLANEOUS REVENUE				0.00				
	1802	61900		282.24		02/13/18	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT JACOBS & STOFFLET INTEREST
		62080		141.12		02/27/18	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
	1802		0.00	423.36	-423.36				
	1803	62411		141.12		03/23/18	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT RC214 PAPPANO
	1803		0.00	141.12	-564.48				

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Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07380-1000	****	***	****	0.00	564.48	-564.48				
07392-0100						0.00				
	1805		63470		71.30		06/07/18	XFER		XFER \$ TO MA REGARDING DEPOSIT ERROR 5/10/18
	1805			0.00	71.30	-71.30				
07392-0100	****	***	****	0.00	71.30	-71.30				
07392-0500						0.00				
	1803		62490		30,000.00		03/29/18	XFER		XFER \$ FROM SEWER TO MUNICIPAL TO COVER EXPENSES
	1803			0.00	30,000.00	-30,000.00				
	1806		63665		30,000.00		06/22/18	XFER		XFER \$ FROM SEWER TO MA
	1806			0.00	30,000.00	-60,000.00				
07392-0500	****	***	****	0.00	60,000.00	-60,000.00				
1424-1400						0.00				
	1803	CD	62424	8,160.33			03/26/18	3121		425 EAST GOSHEN TOWNSHIP - GENERAL 1ST QTR.2018 REIMBURSEMENT - MA
	1803			8,160.33	0.00	8,160.33				
	1806		63636	8,160.33			06/21/18	3129		425 EAST GOSHEN TOWNSHIP - GENERAL 2ND QTR.2018 REIMBURSEMENT - MA
	1806			8,160.33	0.00	16,320.66				
07424-1400	****	***	****	16,320.66	0.00	16,320.66				
07424-3000						0.00				
	1801		61728	100.00			01/31/18	3114		3353 COMMONWEALTH FINANCING AUTHORITY GRANT APPLIC. DCED - WATER & SEW PROGRAM FOR BARKWAY



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GL Transaction Details

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
1801			100.00	0.00	100.00				
1805	63278		1,236.00			05/30/18	3125	3871	DELAWARE RIVER BASIN COMMISSION ANNUAL FEE D-2000-030 CP WASTE WATER DISCHARGE
1805			1,236.00	0.00	1,336.00				
07424-3000	****	***	****	1,336.00	0.00	1,336.00			
07424-3110					0.00				
1803	62396		6,964.00			03/22/18	3120	808	MAILLIE FALCONIERO & CO. PROGRESS BILLING - M.AUTHORITY 2 FINANCIAL STATEMENTS
1803			6,964.00	0.00	6,964.00				
1804	62732		2,436.00			04/17/18	3123	808	MAILLIE FALCONIERO & CO. EXAMINATION 2017 MA FINANCIAL ST
1804			2,436.00	0.00	9,400.00				
07424-3110	****	***	****	9,400.00	0.00	9,400.00			
07424-3130					0.00				
1801	61613		12,523.56			01/24/18	3113	1052	PENNONI ASSOCIATES INC. SERV.THRU 12/10/17 2017 GENERAL SERVICES
1801			12,523.56	0.00	12,523.56				
1802	61944		5,415.00			02/15/18	3115	1052	PENNONI ASSOCIATES INC. SERVICES THRU 1/14/18 -2017 GENE
	62032		552.50			02/22/18	3117	1052	PENNONI ASSOCIATES INC. SERVICE THRU 1/14/18 SUPPLEE VA
1802			5,967.50	0.00	18,491.06				
1803	62323		11,749.08			03/15/18	3118	1052	PENNONI ASSOCIATES INC. SERVICES THRU 2/11/18 2018 GEN.S

East Goshen Township General Ledger

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GL Transaction Details

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
1803			11,749.08	0.00	30,240.14				
1806		63480	9,622.25			06/07/18	3126	1052	PENNONI ASSOCIATES INC. SERVICES THRU 4/15/18 SUPPLEE VA
		63544	7,503.93			06/12/18	3127	1052	PENNONI ASSOCIATES INC. SERVICES THRU 5/20/18 BARKWAY PS
1806			17,126.18	0.00	47,366.32				
1807		63960	16,879.82			07/11/18	3130	1052	PENNONI ASSOCIATES INC. SERVICES THRU 6/17/18 BARKWAY
	JE	63926		10,556.75		07/10/18	RECLASS		RECLASS TALLMADGE DR EXPENSES
1807			16,879.82	10,556.75	53,689.39				
07424-3130	****	***	****	64,246.14	10,556.75	53,689.39			
07424-3140	LEGAL SERVICES				0.00				
1801	CD	61613	680.00			01/24/18	3112	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICES DEC. 2017 GEN.AUT
1801			680.00	0.00	680.00				
1802		62032	240.00			02/22/18	3116	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE - JAN.2018 GEN.AUT
1802			240.00	0.00	920.00				
1803		62352	400.00			03/19/18	3119	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE - FEBRUARY 2018
1803			400.00	0.00	1,320.00				
1804		62732	380.00			04/17/18	3122	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE 3/12/18
1804			380.00	0.00	1,700.00				
1805		63133	480.00			05/16/18	3124	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE - APRIL 2018 GEN.A

East Goshen Township General Ledger

Report Date 08/06/18

GL Transaction Details

Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
1805			480.00	0.00	2,180.00				
1806		63589	440.00			06/18/18	3128	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERV.- MAY 2018 GEN.AUTHOR
1806			440.00	0.00	2,620.00				
1807		64183	300.00			07/30/18	3131	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE JUNE 2018 GEN.AUTH
1807			300.00	0.00	2,920.00				
07424-3140	****	*** ****	2,920.00	0.00	2,920.00				
07426-3000		TALLMADGE DRIVE			0.00				
		63960	1,980.00			07/11/18	3130	1052	PENNONI ASSOCIATES INC. SERVICE THRU 6/17/18 2018 TALLMA RECLASS TALLMADGE DR EXPENSES
		JE 63926	10,556.75			07/10/18	RECLASS		
1807			12,536.75	0.00	12,536.75				
07426-3000	****	*** ****	12,536.75	0.00	12,536.75				
07428-1000		RESERVOIR PUMP STATION - ENGINEER			0.00				
		1802 CD 62035	142.50			02/22/18	22016	1052	PENNONI ASSOCIATES INC. SERVICE THRU 1/14/18 RESERV.RD
1802			142.50	0.00	142.50				
1806		63480	45.50			06/07/18	3126	1052	PENNONI ASSOCIATES INC. SERVICES THRU 4/15/18 RESERVOIR FINAL INVOICE
1806			45.50	0.00	188.00				
07428-1000	****	*** ****	188.00	0.00	188.00				

East Goshen Township General Ledger

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GL Transaction Details

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07429-6100					0.00				
		WEST GOSHEN CAPITAL							
	1801	61614	30,050.70			01/24/18	22015	3843	WEST GOSHEN SEWER AUTHORITY 16.67% OF COST - ENHANCED CHEMIC ADDITION
	1801		30,050.70	0.00	30,050.70				
	1802	62035	3,664.01			02/22/18	22017	3843	WEST GOSHEN SEWER AUTHORITY 16.67% - ENHANCED CHEMICAL ADDIT & ANAEROBIC DIGESTER REPLACEMENT
	1802		3,664.01	0.00	33,714.71				
	1803	62343	-3,664.01			03/15/18	22017	3843	WEST GOSHEN SEWER AUTHORITY VOID CK. 2017
	1803		-3,664.01	0.00	30,050.70				
	1804	62689	72,288.38			04/13/18	22018	3843	WEST GOSHEN SEWER AUTHORITY 2017 SEWER SYSTEM REPAIR PROJECT .16667 % EAST GOSHEN SHARE
	1804		72,288.38	0.00	102,339.08				
7429-6100	****	*** ****	102,339.08	0.00	102,339.08				
07492-0100					0.00				
		TRANSFER TO GENERAL FUND							
	1805	63072	71.30			05/10/18	22019	425	EAST GOSHEN TOWNSHIP - GENERAL XFER TO GENERAL TO CLOSE ACCOUNT
	1805		71.30	0.00	71.30				
07492-0100	****	*** ****	71.30	0.00	71.30				
07492-0500					0.00				
		TRANSFER TO SEW. OPERATING							
	1806	JE 63662	30,000.00			06/22/18	XFER		XFER FROM SEWER TO MA
		63664		30,000.00		06/22/18	REVERSE		REVERSE TRX 63662
	1806		30,000.00	30,000.00	0.00				

East Goshen Township General Ledger

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GL Transaction Details

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07492-0500	****	*** ****	30,000.00	30,000.00	0.00				
<b>Grand Total</b>			240,027.41	105,531.85	134,495.56				

Source	Debits	Credits
JE	41,121.23	101,809.85
EX	105.00	30.00
RE	0.00	2,000.00
CR	0.00	1,692.00
CD	198,801.18	0.00
	240,027.41	105,531.85

EAST GOSHEN MUNICIPAL AUTHORITY  
EAST GOSHEN TOWNSHIP  
1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

August 1, 2018

To: Municipal Authority

From: Mark Miller

Re: West Goshen Sewer Plant Work

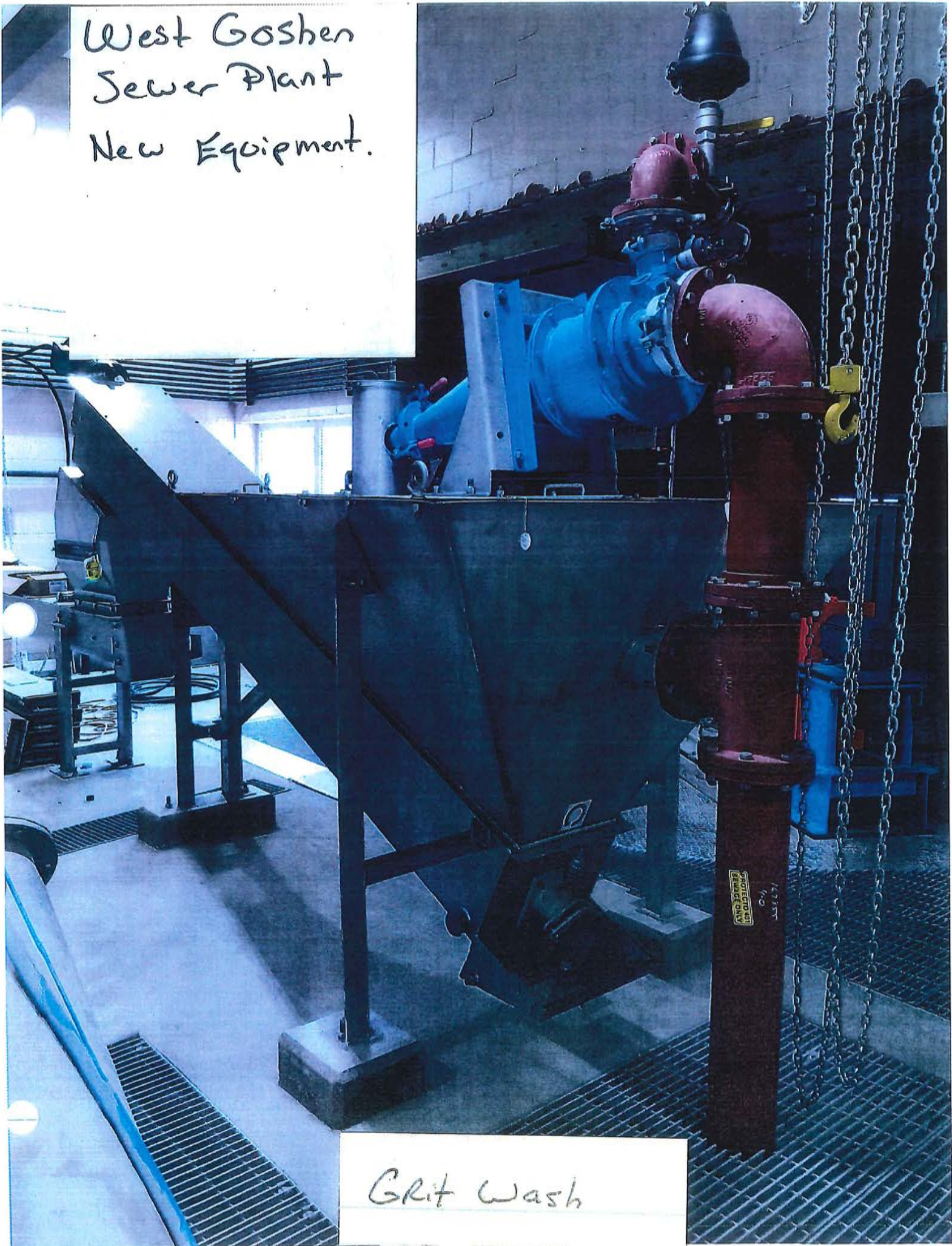
I spoke with Dave Woodward regarding the work at the plant, he said work is progressing well. The head works is finally nearing completion. All the equipment is in place. They are expecting start up in a few weeks.

The Digester project is moving along; the first tank is in and has passed testing. The rock pieces are on site and are waiting on placement and welding. The new boiler was delivered and installed, should be on schedule to have the second tank on line by the fall.

The upgrades to the chemical building are almost complete and ready to go online.

The work on the collection system is 90% complete, Dirocco has to install 2 air release valves on Little Shiloh road.

West Goshen  
Sewer Plant  
New Equipment.



Grit Wash

WATSON  
MARLOW

Flow Control Systems

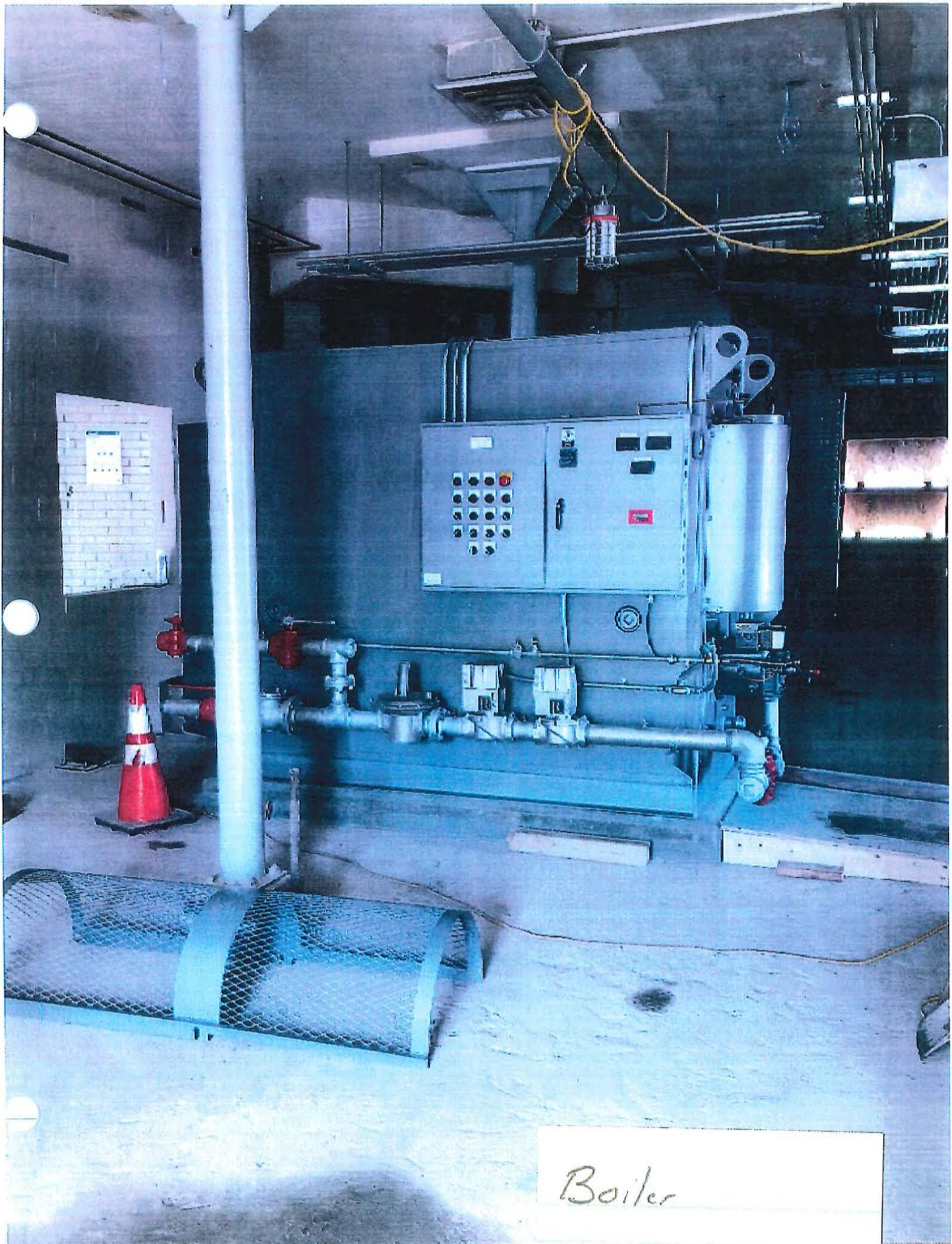


Chemical feed





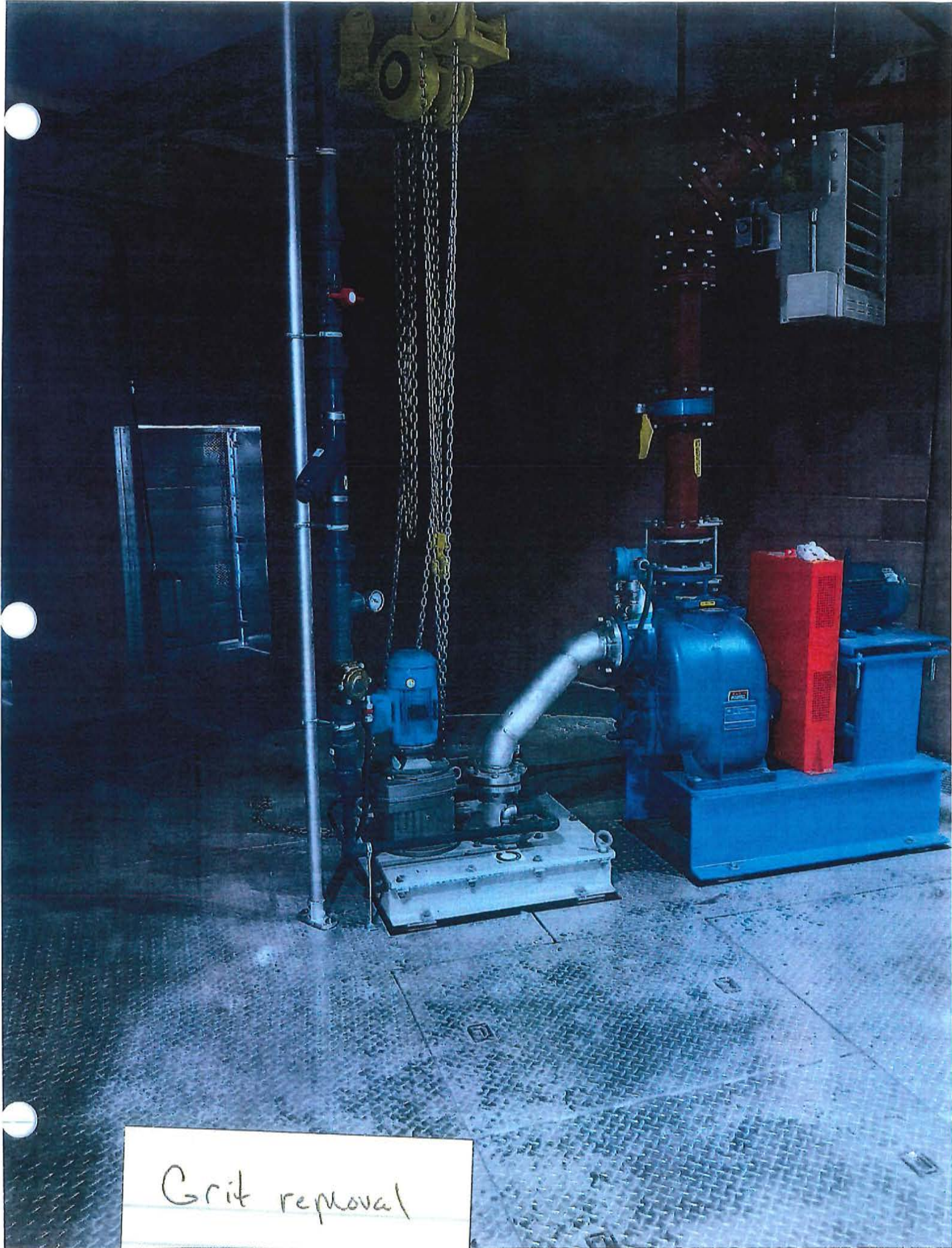
Chemical feed



Boiler

Digester





Grit removal

**BOARD OF SUPERVISORS**  
EAST GOSHEN TOWNSHIP  
CHESTER COUNTY  
1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

**FYI**

July 24, 2018

Dear Property Owner:

The purpose of this letter is to inform you that East Goshen Township has received a Conditional Use application for 1339 E. Strasburg Rd. West Chester PA 19380. The property owner, Peter Lloyd, is seeking approval to operate a scuba supply business as a Home Occupation. The property contains a single family home and is situated in the R-2 Zoning District of East Goshen Township. Home Occupations are permitted in single family homes within the R-2 Zoning District as a conditional use.

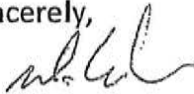
Pursuant to Township policy, property owners within 1000 feet of the subject property are notified when conditional use applications are received. **The meeting dates for this matter are listed below and subject to change without further written notice:**

**August 1, 2018 – Planning Commission (7:00 PM)**

**September 4, 2018 – Board of Supervisors (7:00 PM – Conditional Use Hearing)**

These meetings will be held at the Township Administration Building and will be open to the public. The Application is available for review at the Township building during normal business hours. If any person who wishes to attend the hearing has a disability and/or requires an auxiliary aid, service or other accommodation to observe or participate in the proceedings, he or she should contact East Goshen Township at 610-692-7171 to discuss how those needs may be accommodated.

Sincerely,



Mark A. Gordon  
Township Zoning Officer