EAST GOSHEN MUNICIPAL AUTHORITY March 9, 2015

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 Inc. Report with DMR's
 - d. East Goshen Township Flows
- 3. APPROVAL OF MINUTES
 - a. February 9, 2015
- 4. APPROVAL OF INVOICES

| a. | Pennoni | Invoice #626537 | \$1,306.25 |
|----|----------|-----------------|-------------|
| b. | Pennoni | Invoice #626538 | \$4,378.75 |
| C. | Pennoni | Invoice #626539 | \$10,394.70 |
| d. | Gawthrop | Invoice #128180 | \$ 300.00 |

- 5. LIAISON REPORTS
- 6. <u>FINANCIAL REPORTS</u>
 - a. January 2015 Report
- 7. <u>OLD BUSINESS</u>
- 8. GOALS
 - a. Submit an article for each newsletter Due date for newsletter Need by 1/30/15 Jack Completed Need by 5/1/15
 Need by 8/31/15
 Need by 10/30/15
 - b. Obtain construction permits for the Reservoir Road Pump Station December 31, 2015 2/6 Test boring done, meeting with Mike to review preliminary site plan and discuss control options.

c. Attend West Goshen Meetings quarterly – more often if needed.

1st Quarter – Jack - Completed

- 2nd Quarter
- 3rd Quarter
- 4th Quarter
- d. Respond to capacity requests in 45 days or less.
- e. Continue to implement I & I Plan
- f. Operate RCSTP in compliance with NPDES Permit

9. NEW BUSINESS

- a. Review two quotes from Lenni Electric for two surge protectors at Ridley Creek
- b. Reservoir Road Pump Station review progress prints (Mike will bring to meeting)
- c. Consider proposal for Phase 2 (Mike will bring to meeting)
- 10. CAPACITY REQUESTS
- 11. ANY OTHER MATTER
- 12. CORRESPONDENCE AND REPORTS OF INTEREST
- 13. PUBLIC COMMENT
- 14. <u>ADJOURNMENT</u>

EAST GOSHEN MUNICIPAL AUTHORITY EAST GOSHEN TOWNSHIP

1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

March 4, 2015

To:

Municipal Authority

From:

Mark Miller

Re:

February 2015 Monthly Report

Due to the weather a majority of our time was spent on equipment repairs and road repairs.

Meters: A

All meters were read on a daily basis.

C.C. Collection:

We could not do any televising due to the cold temperatures

R.C. Collection:

Pump Stations were visited on a daily basis with no problems to report.

R.C. Plant:

No problems to report.

Alarms:

We responded to 19 alarms for February.

PA One Calls:

We received 51 PA One calls since February.



MEMORANDUM

TO:

East Goshen Municipal Authority Board

Rick Smith, Township Manager

FROM:

Michael Ellis, P.E. Authority Engineer

DATE:

March 5, 2015

SUBJECT:

Engineer's Report

Invoices

• Invoices with summaries are provided under separate cover.

Reservoir Road Pump Station

- The geotechnical report and boring logs were submitted to the Township.
- We prepared a 3rd draft/revision of the concept design consisting of: a pump station site sketch plan including conceptual diversion details and diversion piping profiles, a written outline of pump station controls and critical features, and a ballpark construction cost estimate. During further concept evaluation and vendor coordination, it was determined that suction-lift pumps on the building floor are not feasible because the maximum suction head of the available pumps is exceeded. Options were discussed with Township staff, and it was decided to proceed with submersible pumps in the wet well. This concept will be presented in more detail at the March 9th Municipal Authority meeting.
- A Water Quality Management Permit pre-application meeting with PADEP is scheduled for March 13th at 10:00 am and will be attended by Pennoni Associates and Township staff.
- The existing conditions field survey work began on February 24th. We completed topography on the Bow Tree pond lot and across the Ridley Creek to the existing sewer interceptor, and we have begun to survey the Bow Tree Drive cartway. We anticipate another 7-8 days to complete the field topography and property boundary work. An exact schedule is not yet known due to snow cover.

Chapter 94 Reports

• We continued work on the 2014 Chapter 94 Reports. We anticipate submitting drafts of the reports to the Township for review around March 16th.

Lockwood Chase STP Closure NPDES Permit N.O.T.

 Once the snow melts and ground dries out, we will perform a site visit to the former LCSTP site to evaluate the consistency of as-built conditions with the permit plans, so that the NPDES Permit Notice of Termination paperwork can be finalized and submitted to the Chester County Conservation District.

Hershev's Mill PS and Marydell PS Diversions

• The 2-year Maintenance Bonds on the Hershey's Mill PS and Marydell PS Diversions expire on July and August respectively. We recommend warranty inspections be performed by May.

Hershey's Mill PS Muffin Monster

• We notified PADEP that the comminutor has been installed in the pump station for their field evaluation as required by the permit.



Monthly Operations Report: February 2015

Executive Summary

The Ridley Creek sewage treatment plant outfall 001 reported a weekly maximum TSS exceedance of 16 mg/L, as compared to the permit limitation of 15 mg/L on January 28, 2015. There was no discharge to Applebrook, which is identified as outfall 002. Chemical usage utilized for total phosphorus removal, pH and total alkalinity remained consistent with previous months. No mechanical or operational issues were observed during operation of the wastewater treatment process and sludge dewatering equipment. Routine preventative maintenance activities were completed.

Treatment Process Operation

During January 2015, there was one (1) exceedance reported for the weekly maximum for TSS of the final effluent discharge limitations for outfall 001. The monthly average TSS was reported as 8 mg/L, with a range of 4 mg/L to 16 mg/L. The TSS concentration of 16 mg/L is believed to be a laboratory error with a 10% range of error. On site analysis of a split sample was measured as 10.2 mg/L. When the laboratory provided initial notice that the TSS concentration exceeded the warning limit of 10 mg/L, the laboratory was instructed to perform a rests of the TSS test. Unfortunately, the laboratory analyzes a liter of sample in order to report the method detection concentration as 2 mg/L rather than 5 mg/L. As a result, insufficient sample volume was available to retest the sample. In addition, notification of the TSS concentration was provide the following week, eliminating the possibility to collect a second sample. Corrective actions included instructing the laboratory to collect two liters of sample for the TSS tests and collecting a second TSS sample when the in-house test result indicate a sample concentration greater than 10 mg/L.

The total phosphorus monthly average concentration was reported as 0.20 mg/L as compared to the permitted limitation of 0.50 mg/L. Final effluent total phosphorus concentration discharged ranged from 0.10 mg/L to 0.27 mg/L. The aluminum sulfate daily average remained consistent during January at 76.6 gpd as compared to the previous month at 74.0 gpd. Table 1 illustrates the final effluent composite sample data reported for the January 2015 eDMR.



Table 1

| | | | | 1 001 | | | | | | -07 | |
|---------------------------------------|--------------------------|-------|-----------------|-------|---------------|--------|-------------------|--------|--------------------|-------------|-------------|
| | Janu | ary 2 | 015 - F | nal E | ffluer | nt - 0 | ut Fal | 001 | | | |
| | Flow | СВ | OD ₅ | T | ss | NI | I ₄ -N | 100000 | orus,Total ng/L | Fecal C | oliform |
| NPDES Permit Discharge Limitations | MGD Average | 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 |
| | Instantaneous Maximum | 40 | , | 42 | | | | | | | |
| Sample Date | | | - | | | | | | | | _ |
| January 6, 2015 | 0.404 | 3.6 | 12.1 | 5 | 17 | 0.731 | 2.46 | 0.21 | 0.71 | 1 | 0.0000 |
| January 13, 2015 | 0.358 | 2.6 | 7.8 | 4 | 12 | 0.906 | 2.71 | 0.27 | 0.81 | 1 | 0.0000 |
| January 20, 2015 | 0.919 | 2.2 | 16.9 | 6 | 46 | 0.113 | 0.87 | 0.10 | 0.77 | 2 | 0.3010 |
| January 28, 2015 | 0.372 | 2.00 | 6.2 | 16 | 50 | 0.37 | 1.15 | 0.23 | 0.71 | 1 | 0.0000 |
| Average | 0.513 | 2.6 | 10.7 | 8 | 31 | 0.531 | 1.80 | 0.20 | 0.75 | 1 | 0.0753 |
| Minimum | 0.358 | 2.0 | 6.2 | 4 | 12 | 0.113 | 0.87 | 0.10 | 0.71 | 1 | 0.0000 |
| Maximum | 0.919 | 3.6 | 16.9 | 16 | 50 | 0.906 | 2.71 | 0.27 | 0.81 | 2 | 0.3010 |

There was no discharge from Outfall 002 to Applebrook during December 2014.

Table 2 illustrates the influent wastewater pollutant loadings for December 2014. The influent loadings remained within the treatment facility design loadings

Table 2

| | Ja | nuar | y 2015 | - Infl | uent \ | Nast | ewate | r | | | |
|------------------|-------------|-------|---------|--------|---------|------|-------------------|------|---------|------|-------------------|
| Au Deliver | Flow | ВС | DD₅ | 7 | ss | NI | H ₄ -N | TKN | l, mg/L | 1.10 | rus,Total, g/L |
| Design Basis | | mg/L | lbs/day | mg/L | lbs/day | mg/L | lbs/day | mg/L | lbs/day | mg/L | lbs/day |
| 116 1000 | MGD Average | 335 | 2,098 | 320 | 2,001 | 32 | 200 | 48 | 301 | 9.1 | 57 |
| Sample Date | | 77.1 | | | | | | | | | |
| January 6, 2015 | 0.446 | 162 | 603 | 71 | 264 | 32.6 | 121 | 44.0 | 164 | 4.6 | 17 |
| January 13, 2015 | 0.398 | 188 | 699 | 149 | 554 | 27.1 | 101 | 40.2 | 150 | 4.7 | 17 |
| January 20, 2015 | 0.452 | 153 | 569 | 65 | 242 | 32.8 | 122 | 36.3 | 135 | 4.3 | 16 |
| January 28, 2015 | 0.436 | 111.0 | 413 | 82.0 | 305 | 34.2 | 127 | 42.1 | 157 | 4.7 | 17 |
| Average | 0.433 | 154 | 571 | 92 | 341 | 31.7 | 118 | 40.7 | 151 | 4.6 | 17 |
| Minimum | 0.398 | 111 | 413 | 65 | 242 | 27.1 | 101 | 36.3 | 135 | 4.3 | 16 |
| Maximum | 0.452 | 188 | 699 | 149 | 554 | 34.2 | 127 | 44.0 | 164 | 4.7 | 17 |



Table 3 presents the available Outfall 001 final effluent data for the month of February 2015. There are no anticipated exceedances of the permitted limitations for the month. Split sampling of the composite sample collected by Applied Laboratory Services (ALS) is ongoing for comparative analysis and daily results.

Table 3

| | Febru | ary 2 | 015 - F | inal I | Efflue | nt - C | Out Fa | II 001 | | | |
|---------------------------------------|--------------------------|------------|-----------------|---------|---------------|----------------|-------------------|--------------|--------------------|-------------|-------------|
| | Flow | СВ | OD _s | Т | ss | NI | I ₄ -N | | orus,Total ng/L | Fecal C | oliform |
| NPDES Permit Discharge Limitations | MGD Average | 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 | 44 | 0.5 | 3 | 200 | 1,000 | |
| | Instantaneous Maximum | 40 | | 42 | | | | | | | |
| Sample Date | | 1.5 | | | | | | | | | |
| February 3, 2015 | 0.444 | 3.5 | 13.0 | 8 | 30 | 0.866 | 3.21 | 0.15 | 0.56 | 4 | 0.6021 |
| February 10, 2015 | 0.391 | 3.4 | 11,1 | 8 | 26 | 0.372 | 1.21 | 0.21 | 0.68 | 1 | 0.0000 |
| February 17, 2015 | 0.430 | 4.7 | 16.9 | 11 | 39 | 1.790 | 6.42 | 0.31 | 1.11 | 1 | 0.0000 |
| February 25, 2015 | 0.330 | | | | | | | | | | |
| Average | 0.399 | 3.9 | 13.6 | 9 | 32 | 1.009 | 3.61 | 0.22 | 0.78 | 2 | 0.2007 |
| Minimum Maximum | 0.330 0.444 | 3.4 4.7 | 11.1 16.9 | 8 11 | 26 39 | 0.372 1.790 | 1.21 6.42 | 0.15 0.31 | 0.56 1.11 | 1 4 | 0.0000 |

During February 2015, there was no discharge of treated effluent to Applebrook. The pump has been placed in the off mode during the winter months.

The influent wastewater pollutant concentrations and loading entering the wastewater treatment facility remained within the design concentrations and loadings. 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 4 presents the available pollutant data for the influent wastewater collected at the doghouse manhole during February 2015.



Table 4

| | Fe | brua | ry 2015 | i - Inf | luent | Was | tewat | er | | | |
|-------------------|-------------|------|---------|---------|---------|------|-------------------|------|---------|------|-------------------|
| 1 - 1 - 2 - u | Flow | B | DD₅ | ī | 55 | NI | H ₄ -N | TKN | i, mg/L | | rus,Total, g/L |
| Design Basis | | mg/L | lbs/day | mg/L | lbs/day | mg/L | lbs/day | mg/L | lbs/day | mg/L | lbs/day |
| 20 100 | MGD Average | 335 | 2,098 | 320 | 2,001 | 32 | 200 | 48 | 301 | 9.1 | 57 |
| Sample Date | | | | | | | | | | | |
| February 3, 2015 | 0.502 | 200 | 837 | 194 | 812 | 29.6 | 124 | 35.4 | 148 | 3.8 | 16 |
| February 10, 2015 | 0.534 | 143 | 598 | 58 | 243 | 31.1 | 130 | 41.9 | 175 | 5.1 | 21 |
| February 17, 2015 | 0.492 | 204 | 854 | 117 | 490 | 34.3 | 144 | 50.5 | 211 | 5.5 | 23 |
| February 25, 2015 | 0.389 | | | | | | | | | | |
| Average | 0.479 | 182 | 763 | 123 | 515 | 31.7 | 133 | 42.6 | 178 | 4.8 | 20 |
| Minimum | 0.389 | 143 | 598 | 58 | 243 | 29.6 | 124 | 35.4 | 148 | 3.8 | 16 |
| Maximum | 0.534 | 204 | 854 | 194 | 812 | 34.3 | 144 | 50.5 | 211 | 5.5 | 23 |

Sequencing batch reactors (SBRs) numbered 1, 3 and 4 were in service during February.

Process monitoring of each SBR included ammonia as N, nitrite as N, Nitrate as N, COD, SSV, MLSS and total phosphorus. Foam concentrations remained consistent during February at approximately 80% coverage of the surface area. Sludge wasting rates remain elevated to manage the MLSS concentrations and F:M ratio within the desired goals. As a result, the ammonia as nitrogen concentration has increased, however, is well below the discharge limitation of 7.0 mg/L. Daily monitoring of the influent and final effluent 24-hour composites samples for total phosphorus is ongoing. 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. The volume of aluminum sulfate solution to the SBRs



remained fairly consistent at a daily average of 76.6 gpd during February. During January, the soda ash daily addition average remained consistent at 435 lbs. per day. 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.

SBR No. 2 remains out of service as a treatment unit. Minor repairs will be scheduled as weather conditions permit.

Solids Dewatering and Disposal: February 2015

| Sludge Dev | vatering Summary | |
|-----------------------------------|------------------|--|
| Gallons of sludge dewatered | 193,165 | |
| Average Dewatered Total Solids, % | NA | |
| Wet Tons | NA | |
| Dry Tons | NA | |
| Number of dumpsters | 4 | |

^{*}Seventeen (17) days of centrifuge operation

Flow data:

| | February | 2015 | |
|---|-------------------------------|----------------------------|-------------------------------|
| Flow Meter Location | Total Volume for Month, MG | Average Daily Flow, gpd | Daily Maximum Flow, gpd |
| Influent Wastewater to Screening Building* | 12.124 | 433,003 | 591,490 |
| Influent Wastewater to SBRs | 12.388 | 442,445 | 543,168 |
| Internal Recycle | 0.482 | 17,208 | 171,896 |
| Treated Effluent to Disc Filters | 11.784 | 420,848 | 350,144 |
| Final Effluent Discharge | 10.798 | 385,643 | 502,000 |
| Applebrook Golf Course | 0 | 0 | 0 |



Chemical Usage:

| | February 2015 | |
|---------------------------|---------------|---------------|
| Chemical | Daily Average | Total Monthly |
| Soda Ash | 438 | 12,250 |
| Aluminum Sulfate solution | 76.6 | 2.145 |
| Polymer (centrifuge) | 0.84 | 14.28 |

^{*}Seventeen (17) days of centrifuge operation

During February, sludge wasting to the sludge holding tanks and decanting of the sludge holding tanks was ongoing. Process monitoring included pH, total alkalinity and total solids.

Sludge holding tank No. 1 was in service. The level at the beginning of February was 9.75 feet and the level at the end of the month was 6.15 feet. The initial total solids concentration was 1.14% decreasing to 0.89% at the end of the month. The average pH concentration was 6.95 S.U. Zero gallons of supernatant were decanted during the month. A total of 400 pounds of soda ash were added.

Sludge holding tank No. 2 was in service. The level at the beginning of the month was 9.73 feet and the level at the end was 10.58. The initial total solids concentration was 1.03% total solids increasing to 1.21% at the end of the month. The average pH concentration was 7.13 S.U. and zero pounds of soda ash were added. Zero gallons of supernatant were decanted.

Significant Storm/Hydraulic Loading Events

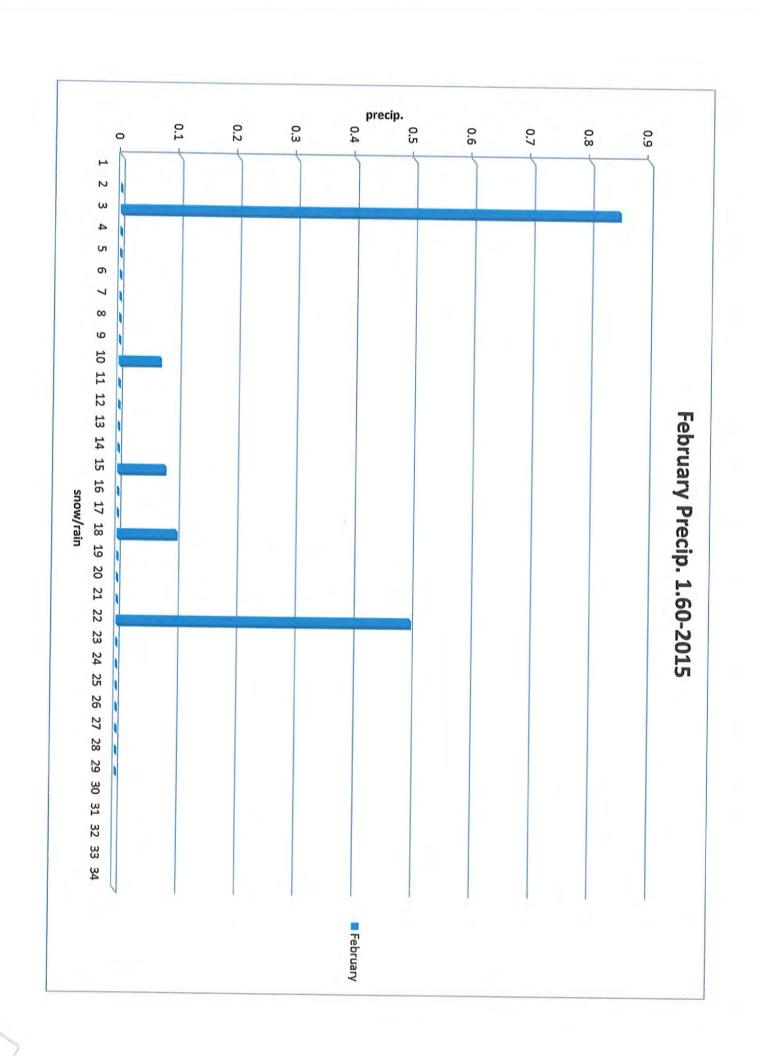
During February, there were no significant weather events; however, temperatures were measured to be lowered than typical.

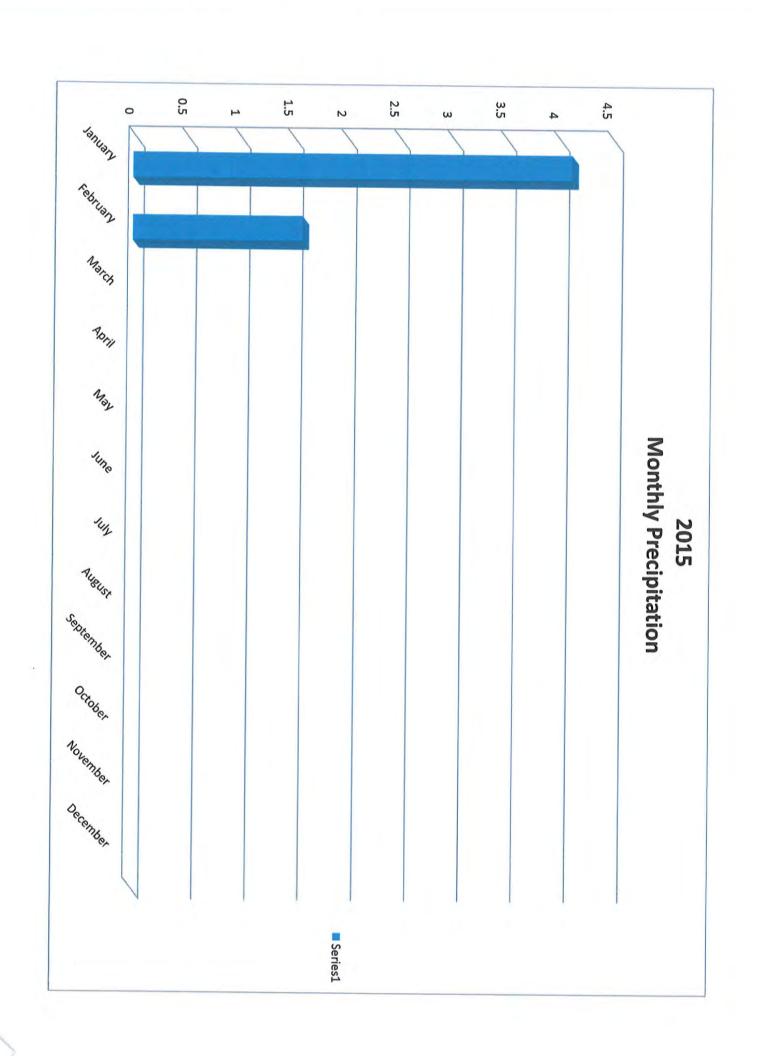
Minor Repairs and Preventative Maintenance

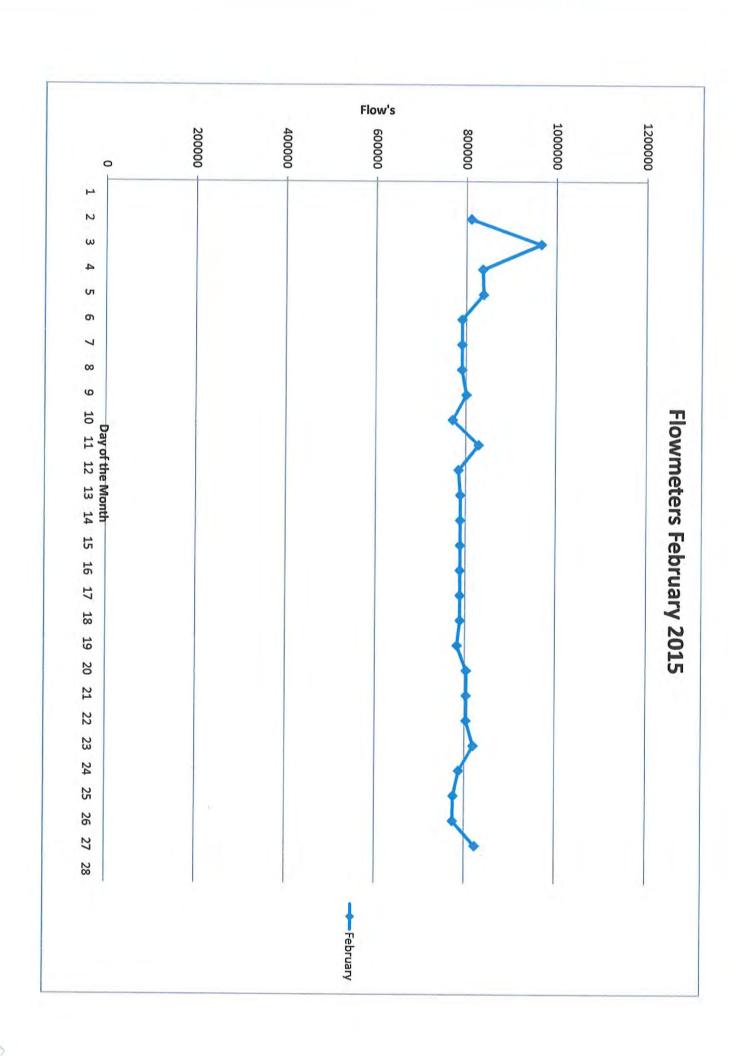
No unscheduled repairs preventative maintenance items were performed during February.

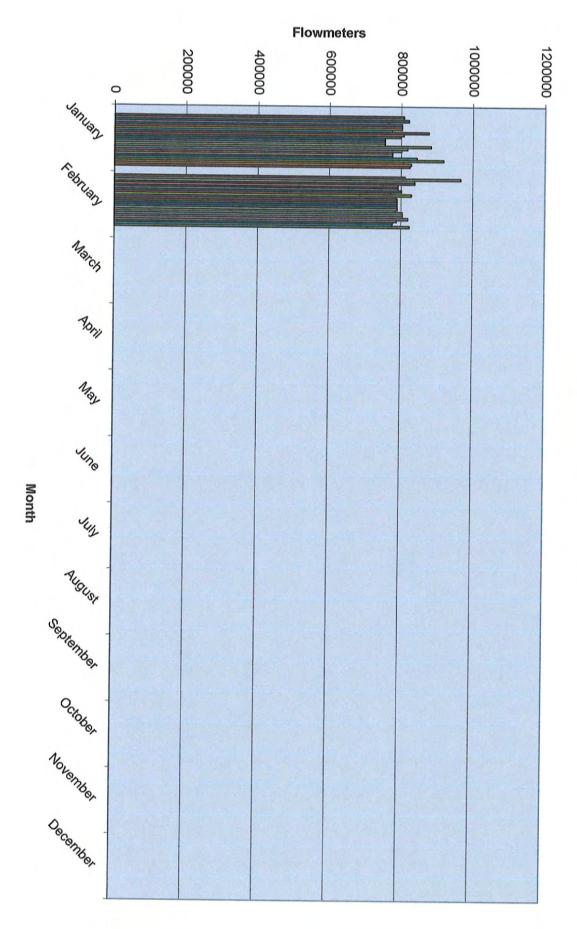
| | | WESTTOWN WAY EADING GPD 1,044,391 1,009,00 1,945,647 1,256,00 1,945,712 1,065,00 | GPD GPD 1,256,000 | ELLIS LANE READING GF 7,522,855 88 7,536,361 133 7,545,625 93 | GPD 68,743 135,060 92,640 | 1 7 7 | PAOLI READING 4,681,710 4,688,605 4,694,742 | PAOLI PIKE READING GPD 4,681,710 59,153 4,688,605 68,950 4,694,742 61,370 | PAOLI PIKE WILSON READING GPD READING 4,681,710 59,153 3,649,919 4,688,605 68,950 3,658,500 4,694,742 61,370 3,665,929 | PAOLI PIKE WILSON DRIVE READING GPD READING GPD 4,681,710 59,153 3,649,919 50,407 4,688,605 68,950 3,658,500 85,810 4,694,742 61,370 3,665,929 74,290 | PAOLI PIKE WILSON DR READING GPD READING 4,681,710 59,153 3,649,919 4,688,605 68,950 3,658,500 4,694,742 61,370 3,665,929 |
|---------------|--------------|--|-------------------|---|------------------------------------|------------------------|---|---|--|---|---|
| | + | | 1,065,000 | 7,545,625 7,554,473 | 92,640 88,480 | 4,694,742 4,700,918 | 61,370 | 3,665,929 | 74,290 70,380 | 24,000 | 836,700 |
| 0.00 02/06/15 | 1,948,774 | | 1,003,000 | 7,563,455 | 89,820 | 4,706,804 | 58,860 | 3,679,312 | 63,450 | 24,000 | 790,870 |
| 0.00 02/08/15 | 15 | | | | | | | | | | 790,870 |
| | 15 1,951,752 | ,752 | 992,667 | 7,590,026 | 88,570 | 4,724,411 | 58,690 | 3,692,528 | 44,053 | 24,000 | 80, |
| | 100 | 730 | 978,000 | 7,598,241 | 82,150 | 4.730.792 | 63,810 | 3,698,645 | 61,170 | 24 000 | 770 870 |
| 0.00 02/11/15 | 97 | Ļ | 1,035,000 | 7,607,215 | 89,740 | 4,736,095 | 53,030 | 3.704.966 | 63.210 | 24 000 | 820 |
| 0.00 02/12/15 | | | 990,000 | 7,615,303 | 80,880 | 4.741.796 | 57.010 | 3.711.703 | 67.370 | 24,000 | 784 740 |
| | | ,743 | 988,000 | 7,623,474 | 81,710 | 4,747,376 | 55,800 | 3,717,855 | 61.520 | 24.000 | 788.970 |
| 0.08 02/14/15 | - | | | | | | | | | | 788.970 |
| Т | 15 | | | | | | | | | | 788,970 |
| 1 | 15 | | Į | | ľ | | | | | | 788 |
| Т | + | | | | | | | | | | 788,970 |
| 0.00 02/19/15 | 15 1 981 878 | T | 1 001 000 | 7,600,420 | 20,902 | 4,//4,997 | 55,230 | 3,743,833 | 51,956 | 24,000 | 789,312 |
| \neg | + | | 1.016.000 | 7 686 801 | 93 070 | 4 786 564 | 57 110 | 3 756 955 | 00,000 | 24,000 | 782,890 |
| 75. | | | | | | | | 0,100,000 | 025,720 | 27,000 | 803,400 |
| | 15 | | | | | | | | | | 803 400 |
| | 15 1,965,759 | _ | ,022,333 | 7,714,738 | 93,123 | 4,804,597 | 60,110 | 3,771,909 | 49,847 | 24,000 | 819.253 |
| | - | | 1,004,000 | 7,723,446 | 87,080 | 4,810,406 | 58,090 | 3,779,060 | 71,510 | 24,000 | 787,320 |
| Т | | ,/51 | 988,000 | 7,731,704 | 82,580 | 4,816,007 | 56,010 | 3,786,407 | 73,470 | 24,000 | 775,940 |
| 0.00 02/26/15 | 15 1,968,738 | | 987,000 | 7,739,642 | 79,380 | 4,821,830 | 58,230 | 3,793,878 | 74,710 | 24,000 | 774,680 |
| | | | ,01,000 | 7,740,000 | 00,000 | 4,027,077 | 00,470 | 3,800,892 | /0,140 | 24,000 | 823,730 |
| 1.60 Day Avg | /g | | 1,023,411 | | 90,015 | | 59.017 | | 64 695 | 24 000 | 810 607 |
| Day Tot | ot | 18 | 18,421,400 | | 1,620,279 | | 1.062.303 | | 1.164.513 | | |
| Day Count | unt | | 18 | | 18 | | 18 | | 18 | 18 | |
| | | H | | | EG TWP | | | | | | |
| | MONTH | MONTH TO DATE | | | 1.60 | | | | | | |
| | YEAR TO DATE | NORMAL MONIH TO DATE | TODATE | | n | | | | | | |
| | NORMA | NORMAL YEAR TO DATE | DATE | | | | | | | | |

| | | | | 02/17/15 02/18/15 29,807,910 02/19/15 29,874,508 02/20/15 29,940,438 02/21/15 | | | 0101010101 | 20 HERSH DATE READING |
|---|-----------------------------|--------------------------|--|--|--|--|--|-----------------------|
| | 696,731 12,541,153 18 | 650,440 696,960 | 738,780 698,860 641,500 | 690,400 665,980 659,300 | 679,660 656,300 660,320 | 724,010 718,143 648.540 | 722,780 909,780 697,020 682,380 | 2015 1st. Qua |
| 15t. Qua S MILL GPD 722,780 909,780 697,020 682,380 724,010 724,010 648,540 656,320 665,980 665,980 665,980 665,980 665,980 665,980 665,980 665,980 665,980 665,980 665,980 665,980 665,980 665,980 665,980 665,980 665,980 | | 2,070,234 2,070,915 | 2,068,305 2,068,957 2,069,600 | 2,064,836 2,065,461 2,066,141 | 2,060,395 2,060,973 2,061,569 | 2,057,338 2,059,201 2,059,781 | 2,054,602 2,055,476 2,056,114 2,056,728 | ASHBR |
| 1st. Quarter - MET S MILL ASHBR GPD READING 722,780 2,054,602 909,780 2,055,476 697,020 2,056,114 682,380 2,057,338 724,010 2,057,338 724,010 2,057,338 724,010 2,059,201 648,540 2,059,781 679,660 2,060,395 685,300 2,064,836 685,980 2,064,836 685,980 2,065,461 659,300 2,068,305 698,860 2,068,305 698,860 2,068,305 698,860 2,068,305 698,860 2,068,305 698,860 2,068,305 698,860 2,068,305 698,860 2,068,305 698,860 2,068,305 698,860 2,068,305 698,860 2,068,305 698,860 2,068,305 698,860 2,068,305 | 64,656 1,163,807 18 | | 72,133 65,200 64,300 | 65,340 62,500 68,000 | 51,400 57,800 59,600 | 61,000 62,100 58,000 | 62,333 87,400 63,800 | DGE GPD |
| S MILL ASHBRIDGE GPD READING GPD 722,780 2,054,602 62,333 909,780 2,055,476 87,400 687,020 2,056,114 63,800 682,380 2,059,201 62,100 724,010 2,057,338 61,000 718,143 2,059,201 62,100 648,540 2,059,781 58,000 648,540 2,060,395 61,400 6579,660 2,060,395 61,400 658,300 2,061,569 59,600 659,400 2,064,836 62,500 665,980 2,065,461 62,500 665,980 2,065,461 62,500 665,980 2,068,305 72,133 698,860 2,068,305 72,133 698,860 2,069,500 64,300 650,440 2,070,234 63,400 650,440 2,070,234 63,400 659,960 2,070,915 68,100 | | 19,176,936 19,204,804 | 19,095,400 19,122,252 19,149,048 | 18,972,658 18,999,872 19,026,436 | 18,801,744 18,829,638 18,856,320 | 18,680,898 18,748,016 18,773,670 | 18,565,893 18,596,490 18,624,636 | HICKS |
| S MILL ASHBRIDGE HICKS GPD READING GPD READING 722,780 2,054,602 62,333 18,565,893 909,780 2,055,476 87,400 18,595,490 697,020 2,056,114 63,800 18,594,468 724,010 2,057,338 61,000 18,580,898 718,143 2,059,201 62,100 18,748,016 648,540 2,059,781 58,000 18,773,670 648,540 2,060,395 61,400 18,801,744 656,300 2,060,973 57,800 18,829,638 665,300 2,064,836 65,340 18,972,658 665,380 2,064,836 65,340 18,999,872 659,300 2,068,305 72,133 19,026,436 659,300 2,068,305 72,133 19,026,436 659,461 68,000 19,122,552 641,500 2,068,305 72,133 19,095,400 698,860 2,069,600 64,300 19,176,936 6 | 265,565 4,780,169 18 | 278,880 278,680 | 229,880 268,520 267,960 | 232,676 272,140 265,640 | 280,740 278,940 266,820 | 264,300 223,727 223,727 | 228,977 305,970 281,460 298,320 | T GOSHE METER |
| S MILL ASHBRIDGE HICKS METER GPD READING GPD READING GPD 722,780 2,054,602 62,333 18,565,893 228,977 909,780 2,055,476 87,400 18,596,490 305,970 682,380 2,056,728 61,400 18,654,468 298,320 724,010 2,057,338 61,000 18,680,898 264,300 718,143 2,059,201 62,100 18,748,016 223,727 648,540 2,059,781 58,000 18,773,670 256,540 679,660 2,060,395 61,400 18,891,744 280,740 655,300 2,061,569 59,600 18,872,638 278,940 665,980 2,064,836 65,340 18,972,658 232,676 665,980 2,068,461 62,500 18,856,320 265,820 681,5340 19,026,436 255,640 229,880 698,860 2,068,957 65,200 19,122,252 268,520 681,950 2,068,957 | | 67,003,767 67,075,020 | 66,799,835 66,868,310 66,935,776 | 66,464,704 66,532,720 66,601,352 | 66,015,730 66,082,195 66,148,275 | 65,695,848 65,881,927 65,881,927 | 65,398,736 65,482,813 65,555,350 65,678,081 | RESER |
| SMILL ASHBRIDGE HICKS METER RESER GPD READING GPD READING GPD READING GPD READING 909,780 2,054,602 62,333 18,565,893 228,977 65,398,736 909,780 2,056,114 63,800 18,596,490 305,970 65,482,813 682,380 2,057,738 61,400 18,654,468 298,320 65,482,813 718,143 2,059,201 62,100 18,748,016 223,727 65,881,927 648,540 2,059,781 58,000 18,748,016 223,727 65,881,927 648,540 2,059,781 58,000 18,748,016 223,727 65,881,927 648,540 2,059,781 58,000 18,773,670 256,540 65,946,641 679,660 2,060,973 57,800 18,801,744 280,740 66,075,730 650,320 2,061,569 59,600 18,856,320 272,140 66,082,192 650,320 2,061,569 59,600 18,993,872 272,140 <td>683,531 12,303,565 18</td> <td>679,910 712,530</td> <td>661,610 684,750 674,660</td> <td>632,858 680,160 686,320</td> <td>690,890 664,650 660,800</td> <td>677,670</td> <td>635,903 840,770 725,370</td> <td>VOIR</td> | 683,531 12,303,565 18 | 679,910 712,530 | 661,610 684,750 674,660 | 632,858 680,160 686,320 | 690,890 664,650 660,800 | 677,670 | 635,903 840,770 725,370 | VOIR |
| SMILL ASHBRIDGE HICKS METER RESERVOIR GPD READING GED, 390 GED, 520 GED, 520 GED, 520 | | 3,529,626 3,530,701 | | 3,519,734 3,520,808 3,522,484 | 3,511,264 3,512,303 3,513,587 | | | BARKWAY |
| Warter - METERS FROM WEST GOSHEN - CC COLLECTION ASHBRIDGE HICKS METER RESERVOIR READING GPD READING GPD READING GPD RESERVOIR GPD READING GBA,300 3.5 10 2.056.411 63.380 18.748.018 | 11,872 213,701 18 | 11,160 | 12,560 11,860 10,720 | 12,294 10,740 16,760 | 10,580 11,360 10,390 12,840 | 17 4 1 | 100121 | WAY |









| 1 | EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY |
|-------------|---|
| 2 3 4 | MEETING MINUTES |
| <i>3</i> | February 9, 2015 |
| 5 | The Fast Goshan Township Manising 1 A. d. 11 11 11 |
| 6 | The East Goshen Township Municipal Authority held their regular public meeting on Monday, February 9, 2015 at 7:00 pm at the Fact Goshen Township by 111. |
| 7 | February 9, 2015 at 7:00 pm at the East Goshen Township building. Members in attendance were: Chairman Kevin Cummings, Jack Yahraes, and Dana Pizarro. Member Fran Beck |
| 8 | participated by phone. Also in attendance were: Rick Smith (Township Manager), Carmen |
| 9 | Battavio (Township Supervisor), Scott Towler (Big Fish), Mike Ellis (Pennoni), and Jessica |
| 10 | Wiesak (Attorney). |
| 11 | |
| 12 | COMMON ACRONYMS: |
| 13 14 | BFES – Big Fish Environmental Services MA-Municipal Authority |
| 15 | BOS – Board of Supervisors CB – Conservancy Board NPDES – National Pollutant Discharge Elimination System PC – Planning Commission |
| 16 | CB – Conservancy Board PC – Planning Commission DEP – Department of Environmental Protection PM – Prevention Maintenance |
| 17 | EPA – Environmental protection Agency PR – Park & Recreation Board |
| 18 | HC - Historical Commission RCSTP - Ridley Creek Sewer Treatment Plant |
| 19 | 181 – Inflow & Infiltration SBR – Sequencing Batch Reactor |
| 20 21 | LCSTP – Lockwood Chase Sewer Treatment Plant SSO – Sanitary System Overflow |
| 22 | WAS – Waste Activated Sludge |
| 23 | Call to Order & Pledge of Allegiance |
| 24 | Kevin called the meeting to order at 7:00 pm and led those present in the Pledge of Allegiance. |
| 25 | There was a moment of silence to remember the troops and all veterans. Kevin asked if anyone |
| 26 | would be recording the meeting and there was no response. |
| 27 | S and its responde. |
| 28 | Chairman's Report/Other Members' Reports |
| 29 | None |
| 30 | |
| 31 | Sewer Reports |
| 32 | 1. Director of Public Works |
| 33 | The members reviewed Mark Miller's report for January 2015: |
| 34 | Meters: They were read on a daily basis and West Goshen was agreeable to splitting |
| 35 | the cost for remote monitoring of the meters on the Chester Creek Interceptor. Fran noted |
| 36 | he was pleased that West Goshen had agreed to split this cost. |
| 37 | C.C. Collection: The pump stations were visited on a daily basis, no problems to report. |
| 38 | We were notified of two lateral backups, we responded and cleared both. The new rail |
| 39 | system was installed at the Barkway PS. |
| 40 | R.C. Collection: The Hunt Country Pump Station was visited on a daily basis with no |
| 41 | problems to report. |
| 42 | R.C. Plant: No problems to report. |
| 43 | Alarms: They responded to 17 alarms for the month of January. |
| 44 | PA One Calls: They received 57 PA One calls in January. |
| 45 | · |
| 46 | 2. Pennoni Engineer's Report |

47

2. Pennoni Engineer's Report
Mike Ellis gave the following report:
Invoices: Invoices with summaries are provided under separate cover. 48

Reservoir Rd Pump Station:

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252627

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41 42 43

44 45

- 1. Mike presented the concept site plan for the pump station. The station complies with applicable zoning and subdivision requirements and we are maintaining the required 50 foot buffer from the Chester Creek. All of the equipment will be located in the building and it will be landscaped.
- 2. We completed the test boring on January 15, bedrock was encountered at 22' in both borings and rock would not cause a problem with the pump station.
- 3. A pre-application meeting will be scheduled with PADEP in March.

Chapter 94 Reports – He has initiated work on the 2014 Chapter 94 Reports.

- Lockwood Chase Groundwater Monitoring He reviewed the 2013 and 2014 groundwater
- monitoring reports and noted the 3 of the monitoring wells are dry, Nitrate-Nitrogen fluctuates from 5.8 to 13.7 mg/L with mo discernable trand and Facel Callifactuate.
- from 5.8 to 13.7 mg/L with mo discernable trend and Fecal Coliform has been at non-detectable levels since the plant was closed.
- Lockwood Chase Closure NPDES Permit He is coordinating the submission of the final
 closure paperwork with the Township.
- Hershey's Mill PS and Marydell PS Diversion The maintenance bond for these projects expire in July and August and Mike will schedule final inspection in May
- Hershey Mill PS Mike notified PADEP that the comminutor has been installed.

3. Big Fish Environmental Services – Scott reported that the plant was in compliance for December and January. In December the total Phosphorous is less the permit limit of 0.5 mg/L. They had to replace the variable speed drives on influent pumps 2 and 3. Kevin expressed a concern about the need to replace electrical components so soon, and Scott noted that we regularly see electrical surges at the plant. Scott said he would discuss the possibility of adding surge protectors to selected equipment with Mark.

Approval of Minutes

Jack moved to accept the minutes of January 12, 2015 as corrected. Fran seconded the motion. The motion passed unanimously.

Approval of Invoices

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

| 34 | Invoice #623589 | \$5,300.30 |
|----|-----------------|------------|
| 35 | Invoice #623591 | \$ 82.50 |
| 36 | Invoice #623592 | \$ 565.00 |
| 37 | Invoice #623593 | \$ 464.00 |
| 38 | Invoice #623594 | \$ 661.25 |
| 39 | Invoice #623595 | \$2,053.75 |
| 40 | Invoice #623596 | \$1,827.50 |

Jack seconded the motion. The motion passed unanimously.

Liaison Reports

46 None.

1 2 **Financial Reports** 3 In January, the Municipal Authority recorded \$556.41 in revenues and \$3,702 in expenses, for a 4 variance of -\$3,145. As of January 31, the fund balance was \$1,586.031, of which \$1,520.845 is 5 in the construction account. 6 7 Goals 8 Jack will attend the next West Goshen meeting. 9 10 **New Business** It was the consensus of the members that the April 13, June 8 and August 10 Municipal 11 Authority meetings would be rescheduled to 6 pm in order to avoid conflicts with the Comp Plan 12 13 Task Force meetings. 14 15 Adjournment There being no further business, Dana to adjourn the meeting. Jack seconded the motion. The 16 motion passed unanimously. The meeting was adjourned at 7:45 pm. 17 18 19 Respectfully submitted, 20 21 22 Louis F. Smith, Jr. 23 Township Manager 24



INVOICE Newark, DE 302-655-4451 Fax: 302-654-2895

Remit Payment To: Pennoni Associates Inc. P.O. Box 827328 Philadelphia, PA 19182-7328

East Goshen Municipal Authority 1580 Paoli Pike West Chester, PA 19380-6199 Attention: Louis F. Smith, Twp Mgr.

Invoice #: 626537 Invoice Date: 02/20/2015 Project: EGMA1501

Project Name: 2015 General Services

For Services Rendered through: 2/15/2015

Reviewed Lockwood Chase STP annual groundwater monitoring reports for 2013 and 2014, coordinated with Township to obtain prior year's monitoring data, reviewed lab results in 2012 prior to STP closure, and prepared a written summary in the February Engineer's Report; prepared February Engineer's Report; and prepared for and attended the February MA meeting.

Phase: **** -- Professional Services

Total Phase: **** -- Professional Services

Labor : 1,306.25 Expense : 0.00

Phase Total : 1,306.25

Amount Due This Invoice \$1,306.25

Fee: 12,000.00

Prior Billings: 661.25 Current Billings: 1,306.25 Total Billings: 1,967.50

Phase: **** -- Professional Services

Labor Hours/

 Class
 Units
 Rate
 Amount

 Authority Engineer
 7.25
 115.00
 833.75

 Staff Engineer
 5.25
 90.00
 472.50

Labor Total: 12.50 1,306.25

Total Phase: **** -- Professional Services Labor: \$1,306.25

Expense: \$0.00

Total Project : EGMA1501 - 2015 General Services Labor : \$1,306.25

Expense : \$0.00

olc RS 3/5

East Goshen Municipal Authority EGMA1501 Invoice Summary Invoice Date 02/20/2015

Project: EGMA1501

Pennoni Job No.: 2015 General Services

Invoice No: 626537

 Invoice Period:
 1/30/2015
 to
 2/15/2015

 Initial Authorization:
 \$ 12,000.00
 Date:
 2/20/2015

\$ **Contract Amount:** 12,000.00 Previously Invoiced: \$ 661.25 **Current Invoice:** 1,306.25 Invoiced to Date (\$): \$ 1,967.50 Invoiced to Date (%): 16% Remaining Budget (\$): \$ 10,032.50 Remaining Budget (%): 84%

Budget by Phase:

| Dhasa Nawa | 2015 General |
|------------------------|-----------------|
| Phase Name: | Services |
| Phase Budget: | \$ 12,000.00 |
| Previously invoiced: | \$ 661.25 |
| Current Invoice: | \$ 1,306.25 |
| Invoiced to Date (\$): | \$ 1,967.50 |
| invoiced to Date (%): | 16% |
| Remaining Budget (\$): | \$ 10,032.50 |
| Remaining Budget (%): | 84% |

Comments:

Reviewed Lockwood Chase STP annual groundwater monitoring reports for 2013 and 2014, coordinated with Township to obtain prior year's monitoring data, reviewed Tab results in 2012 prior to STP closure, and prepared a written summary in the February Engineer's Report; prepared February Engineer's Report; and prepared for and attended the February MA meeting.



INVOICE Newark, DE 302-655-4451 Fax: 302-654-2895

Remit Payment To: Pennoni Associates Inc. P.O. Box 827328 Philadelphia, PA 19182-7328

East Goshen Municipal Authority 1580 Paoli Pike West Chester, PA 19380-6199 Attention: Louis F. Smith, Twp Mgr.

Invoice #: 626538 Invoice Date: 02/20/2015 Project: EGMA1503

Project Name: 2014 Chapter 94 Reports

For Services Rendered through: 2/15/2015

Continued preparation of RCSTP, Chester Creek, and Westtown Chp. 94 Reports including analysis of flow and organic data, coordination with RCSTP operator, and preparation of report narratives, tables, and charts.

Phase: **** -- Professional Services

Total Phase: **** -- Professional Services

Labor : 4,378.75

Expense: 0.00

Phase Total: 4,378.75

Amount Due This Invoice

\$4,378,75

Fee: 14,800.00

Prior Billings: 1,827.50 Current Billings: 4,378.75

Total Billings: 6,206.25

Phase: **** - Professional Services

Labor Hours/

 Class
 Units
 Rate
 Amount

 Authority Engineer
 0.75
 115.00
 86.25

 Associate Engineer
 50.50
 85.00
 4.000.50

Associate Engineer 50.50 85.00 4,292.50

Labor Total: 51.25 4,378.75

Total Phase : **** -- Professional Services Labor : \$4,378.75

Expense: \$0.00

Total Project : EGMA1503 - 2014 Chapter 94 Reports Labor : \$4,378.75

Expense: \$0.00

OKRS 3/5

East Goshen Municipal Authority EGMA1503 Invoice Summary Invoice Date 02/20/2015

Project: EGMA1503

Pennoni Job No.: 2015 Chapter 94 Reports

Invoice No: 626538

Invoice Period: 1/19/2015 to 1/18/2015
Initial Authorization: \$ 14,800.00 Date: 2/20/2015

Contract Amount: \$ 10,500.00 Previously Invoiced: \$ 1,827.50 **Current Invoice:** \$ 4,378.75 Invoiced to Date (\$): \$ 6,206.25 Invoiced to Date (%): 59% Remaining Budget (\$): \$ 4,293.75 Remaining Budget (%): 41%

Budget by Phase:

Phase Name: 2015 Chapter 94 Reports **Phase Budget:** \$ 10,500.00 Previously Invoiced: \$ 1,827.50 **Current Invoice:** \$ 4,378.75 Invoiced to Date (\$): 6,206.25 Invoiced to Date (%): 59% Remaining Budget (\$): \$ 4,293.75 Remaining Budget (%): 41%

Comments: Co

Continued preparation of RCSTP, Chester Creek, and Westtown Chp. 94 Reports including analysis of flow and organic data, coordination with RCSTP operator, and preparation of report narratives, tables, and charts.



INVOICE Newark, DE 302-655-4451 Fax: 302-654-2895

Remit Payment To: Pennoni Associates Inc. P.O. Box 827328 Philadelphia, PA 19182-7328

East Goshen Municipal Authority 1580 Paoli Pike West Chester, PA 19380-6199 Attention: Louis F. Smith, Twp Mgr.

Invoice #: 626539 Invoice Date: 02/20/2015 Project: EGMA1504

Project Name: Reservoir Rd PS Design &

Permitting

For Services Rendered through: 2/15/2015

Phase 01 - We prepared the first draft site concept plans and profiles for alternatives with and without buildings; prepared cost estimates; prepared an outline of pump station design, operations, and controls parameters; attended a site visit to E. Whiteland Twp's Mill Lane PS for scoping; coordinated pump sizing, function, and cost with various vendors; established pump rate and design operating points; met with Township staff to review the first draft concept; initiated revisions to the concept plans to address comments; prepared a draft floor plan of the building; and prepared for the concept plan presentation at the February MA meeting.

Phase 03 - We performed preparatory planning and drafting work in the office for the upcoming field survey.

Phase 07 - We completed and submitted the geotechnical report including borings logs.

| Phase Code / Name | | Contract Amount | Previously Billed | % Complete | Complete To Date | Amount This Invoice |
|---|------|--------------------|----------------------|---------------|---------------------|------------------------|
| 01 Concept Design | est. | \$13,700.00 | \$2,267.50 | months and | \$10,858.25 | \$8,590.75 |
| 02 PADEP WQM Permit Pre-Application Mt | est. | \$1,400.00 | \$0.00 | | \$0.00 | \$0.00 |
| 03 Existing Conditions Survey | | \$23,300.00 | \$0.00 | 3.59% | \$836.75 | \$836.75 |
| 04 Sewer Stakeout in Easement Areas | est. | \$3,600.00 | \$0.00 | 088545 | \$0.00 | \$0.00 |
| 05 1636 Bow Tree Dr Bndry Survey & Ea | as | \$4,020.00 | \$0.00 | 0.00% | \$0.00 | \$0.00 |
| 06 Add'l Boundary Survey & Easement | est. | \$9,000.00 | \$0.00 | | \$0.00 | \$0.00 |
| 07 Geotechnical Borings | | \$4,000.00 | \$3,032.80 | 100.00% | \$4,000.00 | \$967.20 |
| 08 Install Permanent Survey Benchmarks | est. | \$4,000.00 | \$0.00 | 7.315000 | \$0.00 | \$0.00 |
| Total: | | \$63,020.00 | \$5,300.30 | | \$15,695.00 | \$10,394.70 |

Amount Due This Invoice

\$10,394.70

OK RS 3/5

East Goshen Municipal Authority EGMA1504 Invoice Summary Invoice Date 02/20/2015

Project: EGMA1504

Pennoni Job No.: Reservoir Rd PS Design & Permitting

Invoice No: 626539

 Invoice Period:
 1/19/2015
 to
 2/15/2015

 Initial Authorization:
 \$ 63,020.00
 Date:
 2/20/2015

Contract Amount: \$ 63,020.00 Previously Invoiced: \$ 5,300.30 **Current Invoice:** \$ 10,394.70 Invoiced to Date (\$): \$ 15,695.00 Invoiced to Date (%): 25% Remaining Budget (\$): 47,325.00 Remaining Budget (%): 75%

Budget by Phase:

Phase Name: 2015 Semi-Annual I&I Reports

Phase Budget: \$ 63,020.00 Previously Invoiced: \$ 5,300.30 **Current Invoice:** \$ 10,394.70 invoiced to Date (\$): \$ 15.695.00 Invoiced to Date (%): 25% Remaining Budget (\$): \$ 47,325.00 Remaining Budget (%): 75%

Comments:

Phase 01 - We prepared the first draft site concept plans and profiles for alternatives with and without buildings; prepared cost estimates; prepared an outline of pump station design, operations, and controls parameters; attended a site visit to E. Whiteland Twp's Mill Lane PS for scoping; coordinated pump sizing, function, and cost with various vendors; established pump rate and design operating points; met with Township staff to review the first draft concept; initiated revisions to the concept plans to address comments; prepared a revised draft floor plan of the building; and prepared for the concept plan presentation at the February MA meeting

Phase 03 - We performed preparatory planning and drafting work in the office for the upcoming field survey.

Phase 07 - We completed and submitted the geotechnical report including borings logs



Gawthrop Greenwood, PC Attorneys at Law

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

(f) 610-344-0922

East Goshen Municipal Authority 1580 Paoli Pike West Chester PA 19380

Page: 1 02/04/2015

Client No: Invoice No. 6604-001M 128180

General Authority Services

Fees

Hours

01/12/2015

PMM

Review and analyze packet in preparation for Authority meeting.

1.50

For Current Services Rendered

1.50

300.00

Recapitulation

Timekeeper Patrick M. McKenna Hours 1.50

Hourly Rate \$200.00

Total \$300.00

Total Current Charges

300.00

Balance Due

\$300.00

TO MA-

OK TO PAY

RS 2-10-15

Memo

To: Municipal Authority

From: Jon Altshul

Re: MA February Financial Reports

Date: March 4, 2015

In February, the Municipal Authority recorded \$966.25 in revenues and \$10,954.30 in expenses (all for engineering), for a variance of -\$9,988. As of February 28, the fund balance was \$1,576,043, of which \$1,515,579 is in the construction account.

A complete list of all year-to-date expenses and revenues is provided.

EAST GOSHEN TOWNSHIP

Municipal Authority WEST CHESTER, PA 1580 PAOLI PIKE February 2015

| Account Title | Acct # | Annual | Month To Date Actual | Year To Date Actual | |
|--|------------|----------|-------------------------|------------------------|--|
| | | | | | |
| MUNICIPAL AUTHORITY BEGINNING FUND BALANCE | | | 1,586,031.43 | | |
| RCSTP BUDGET | | | | | |
| REVENUE | | | | | |
| INTEREST EARNED - RCSTP EXPANSION | 07341 1020 | 1,600.00 | 119.08 | 251.05 | |
| GRANT REVENUE | 07392 0800 | 0.00 | 0.00 | 0.00 | |
| TOTAL REVENUE | | 1,600.00 | 119.08 | 251.05 | |
| | | | | | |
| EXPENSES | | | | | |
| R.CCAP. PROJENGINEER | 07424 7451 | 0.00 | 00.00 | 0.00 | |
| R.C. CAP EXPANSION GEN'L CONTRACTOR | 07424 7452 | 00.00 | 00:00 | 00:00 | |
| R.C. CAP EXPANSION - ELECTRICAL | 074247453 | 0.00 | 00:00 | 0.00 | |
| R.C. CAP EXP CONTINGENCY CAPITAL | 07424 7454 | 0.00 | 00:00 | 0.00 | |
| R.C. CAP EXP CONTINGENCY ONGOING | 07424 7455 | 00.00 | 00.00 | 0.00 | |
| R.C. CAP EXP ADDITIONAL CONTINGENCY | 07424 7456 | 00.00 | 00.00 | 0.00 | |
| TRANSFER TO SEWER SINKING FUND | 07492 0550 | 00.00 | 00.00 | 0.00 | |
| TRANSFER TO AUTHORITY CAP FUND. | 07492 0990 | 0.00 | 0.00 | 0.00 | |
| TOTAL EXPENSES | | 0.00 | 0.00 | 0.00 | |
| | | | | | |
| RCSTP NET RESULT | | 1,600.00 | 119.08 | 251.05 | |

EAST GOSHEN TOWNSHIP

Municipal Authority WEST CHESTER, PA 1580 PAOLI PIKE February 2015

| | | Annual | Month To Date Year To Date | Year To Date | |
|-------------------------------|------------|------------|----------------------------|--------------|--|
| Account Title | Acct # | Budget | Actual | Actual | |
| OPERATING BUDGET | | | | | |
| REVENUE | | | | | |
| INTEREST EARNINGS | 07341 1000 | 15.00 | 1.17 | 2.61 | |
| C.C. TAPPING FEES | 07364 1100 | 0.00 | 00.00 | 0.00 | |
| R.C.TAPPING FEES | 073641110 | 14,296.00 | 00.00 | 0.00 | |
| CONNECTION FEES - SEWER | 07364 1130 | 0.00 | 563.76 | 845.64 | |
| MISCELLANEOUS REVENUE | 07380 1000 | 000 | 282.24 | 423.36 | |
| TRANSFER FROM SEWER OPERATING | 07392 0500 | 105,105.00 | 0.00 | 0.00 | |
| TOTAL REVENUE | | 119,416.00 | 847.17 | 1,271.61 | |
| EXPENSES | | | | | |
| ADMINISTRATIVE WAGES. | 07424 1400 | 33,323.00 | 00.00 | 0.00 | |
| MISCELLANEOUS EXPENSE | 07424 3000 | 3,000.00 | 00.00 | 1,450.00 | |
| MUNIC.AUTHAUDITING | 074243110 | 10,984.00 | 00.00 | 00.00 | |
| ENGINEERING SERVICES | 07424 3130 | 37,300.00 | 5,571.50 | 6,833.00 | |
| LEGAL SERVICES | 07424 3140 | 9,000.00 | 00.00 | 00.00 | |
| M.CDVRFA-DEBT SERVICE | 07471 1000 | 23,240.00 | 00.00 | 00.00 | |
| M.CDVRFA-INTEREST PAYMN | 07472 1000 | 4,169.00 | 00.00 | 00.00 | |
| M.CDVRFA-INTEREST PAYMN | 07472 1010 | 00'0 | 00.00 | 00.00 | |
| TOTAL EXPENSES | | 121,016.00 | 5,571.50 | 8,283.00 | |
| OPERATING NET RESULT | | (1,600.00) | (4,724.33) | (7,011.39) | |
| | | | | | |

EAST GOSHEN TOWNSHIP

1580 PAOLI PIKE WEST CHESTER, PA Municipal Authority February 2015

| Act # Budget Actual Year 07393 1001 0.00 0.00 07392 0900 0.00 0.00 07425 1000 0.00 0.00 07425 2000 0.00 0.00 07424 7405 0.00 0.00 07424 7475 0.00 0.00 07424 7476 0.00 0.00 07424 7477 0.00 0.00 07424 7476 0.00 0.00 07424 7477 0.00 0.00 07426 1000 0.00 0.00 07427 1000 0.00 0.00 07428 2000 0.00 0.00 07428 2000 0.00 0.00 07428 2000 0.00 0.00 07428 2000 0.00 0.00 07428 2000 0.00 0.00 07428 2000 0.00 0.00 07428 2000 0.00 0.00 07428 2000 0.00 0.00 07428 2000 0.00 0.00 | | | | | |
|--|--|------------|------------------|-------------------------|------------------------|
| NA SEWER PROJECT M SEWER CAP RESERVE M SEWER CAP RESERVE M SEWER CAP RESERVE M SEVER CAP RESERVE M STATION - ENGINEER M STATION - ENGINEER M STATION - ENGINEER M STATION - CONSTRUCTION M STATION - ENGINEER M M STATION - CONSTRUCTION M M STATION - ENGINEER M M M M M M M M M M M M M M M M M M M | Account Title | Acct # | Annual Budget | Month To Date Actual | Year To Date Actual |
| NA SEWER PROJECT M SEWER CAP RESERVE M M STATION - ENGINEER M D STATION - CONSTRUCTION M D STATION - ENGINEER M D STATION - CONSTRUCTION M D STATION - ENGINEER M D STATION - ENGINEER M D STATION - ENGINEER M D STATION - CONSTRUCTION M D STATION - ENGINEER M D STATION - E | CAPITAL BUDGET | | | | |
| M SEWER CAP RESERVE 07392 0900 0.00 0.00 0.00 0.00 0.00 0.00 0. | REVENUE LOAN PROCFEDS-SEWER PROJECT | 07393 1001 | 0.00 | 0.00 | 0.00 |
| 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | TRANSFER FROM SEWER CAP RESERVE | 07392 0900 | 0.00 | 0.00 | 0.00 |
| VP STATION - ENGINEER 07425 1000 0.00 0.00 VP STATION - CONSTRUCTION 07425 2000 0.00 0.00 MER REPLACEMENTS 0.7424,7405 0.00 0.00 COLLECTION 07424,7420 0.00 0.00 BANDONMENT ENGINEER 07424,7425 0.00 0.00 BANDONMENT CONSTRUCTION 07424,7475 0.00 0.00 JIMINATION PHASE 2 07424,7475 0.00 0.00 JIMINATION PHASE 2 07424,7475 0.00 0.00 STATION - ENGINEER 07424,7477 0.00 0.00 STATION - CONSTRUCTION 07426,000 0.00 0.00 MAP STATION - ENGINEER 07428,1000 0.00 0.00 MP STATION CONSTRUCTION 07428,2000 0.00 5,382.80 ULT (100,000.00) (5,382.80) | TOTAL BEVENUE | | 0.00 | 0.00 | 0.00 |
| VP STATION - ENGINEER 07425 1000 0.00 0.00 VP STATION - CONSTRUCTION 07425 2000 0.00 0.00 MER REPLACEMENTS 0.00 0.00 0.00 COLLECTION 07424.7405 0.00 0.00 SANDONMENT ENGINEER 07424.7475 0.00 0.00 SANDONMENT CONSTRUCTION 07424.7475 0.00 0.00 SANDONMENT CONSTRUCTION 07424.7477 0.00 0.00 STATION - ENGINEER 07424.7477 0.00 0.00 STATION - ENGINEER 07426.1000 0.00 0.00 STATION - ENGINEER 07426.2000 0.00 0.00 STATION - ENGINEER 07427.1000 0.00 0.00 MP STATION - ENGINEER 07427.2000 0.00 0.00 MP STATION CONSTRUCTION 07428.2000 0.00 0.00 | EXPENSES | | | | |
| VER STATION - CONSTRUCTION 07425 2000 0.00 0.00 VER REPLACEMENTS 07424,7405 0.00 0.00 COLLECTION 07424,7405 0.00 0.00 SANDONMENT ENGINEER 07424,7475 0.00 0.00 SANDONMENT CONSTRUCTION 07424,7475 0.00 0.00 SANDONMENT CONSTRUCTION 07424,7475 0.00 0.00 STATION - ENGINEER 07424,7477 0.00 0.00 STATION - ENGINEER 07427,1000 0.00 0.00 STATION - ENGINEER 07427,1000 0.00 0.00 MP STATION - ENGINEER 07427,1000 0.00 0.00 MP STATION CONSTRUCTION 07428,1000 100,000.00 5,382.80 MP STATION CONSTRUCTION 07428,2000 0.00 5,382.80 ULT (100,000.00) (5,382.80) | MARYDELL PUMP STATION - ENGINEER. | 07425 1000 | 0.00 | 0.00 | 0.00 |
| FER REPLACEMENTS 07424,7405 0.00 0.00 COLLECTION 07424,7420 0.00 0.00 SANDONMENT ENGINEER 07424,7475 0.00 0.00 SANDONMENT CONSTRUCTION 07424,7475 0.00 0.00 SIATION - ENGINEER 07424,7477 0.00 0.00 STATION - ENGINEER 07426,1000 0.00 0.00 STATION - ENGINEER 07426,2000 0.00 0.00 STATION - ENGINEER 07427,1000 0.00 0.00 MP STATION - ENGINEER 07428,1000 0.00 0.00 MP STATION CONSTRUCTION 07428,1000 100,000.00 5,382.80 MP STATION CONSTRUCTION 07428,2000 0.00 5,382.80 ULT (100,000.00) (5,382.80) | MARYDELL PUMP STATION -CONSTRUCTION | 07425 2000 | 0.00 | 0.00 | 0.00 |
| COLLECTION SANDONMENT ENGINEER O7424 7475 SANDONMENT CONSTRUCTION O7424 7475 O.00 O.00 SANDONMENT CONSTRUCTION O7424 7477 O.00 O.00 STATION - ENGINEER O7424 7477 O.00 O.00 O.00 STATION - CONSTRUCTION O7426 1000 O.00 | MANHOLE COVER REPLACEMENTS | 07424.7405 | 0.00 | 0.00 | 0.00 |
| SANDONMENT ENGINEER 07424 7475 0.00 0.00 SANDONMENT CONSTRUCTION 07424 7476 0.00 0.00 STATION - ENGINEER 07424 7477 0.00 0.00 STATION - CONSTRUCTION 07426 1000 0.00 0.00 STATION - ENGINEER 07427 1000 0.00 0.00 STATION - ENGINEER 07428 1000 0.00 0.00 MP STATION - ENGINEER 07428 1000 100,000.00 5,382.80 MP STATION CONSTRUCTION 07428 2000 0.00 0.00 ULT (100,000.00) (5,382.80) | C.C. CAPITAL - COLLECTION | 07424.7420 | 00.00 | 00'0 | 0.00 |
| SANDONMENT CONSTRUCTION 07424 7476 0.00 0.00 JIMINATION PHASE 2 07424 7477 0.00 0.00 STATION - ENGINEER 07426 1000 0.00 0.00 STATION - CONSTRUCTION 07427 2000 0.00 0.00 STATION - ENGINEER 07427 2000 0.00 0.00 MP STATION - ENGINEER 07428 1000 100,000.00 5,382.80 MP STATION CONSTRUCTION 07428 2000 0.00 0.00 ULT (100,000.00) (5,382.80) | LOCHWOOD ABANDONMENT ENGINEER | 07424 7475 | 00.00 | 0.00 | 00.00 |
| JMINATION PHASE 2 07424 7477 0.00 0.00 STATION - ENGINEER 07426 1000 0.00 0.00 STATION - ENGINEER 07426 2000 0.00 0.00 STATION - ENGINEER 07427 1000 0.00 0.00 0.00 STATION - ENGINEER 07427 1000 0.00 0.00 0.00 MP STATION - ENGINEER 07428 1000 100,000.00 5,382.80 MP STATION CONSTRUCTION 07428 2000 0.00 0.00 0.00 ULT (100,000.00) (5,382.80) | LOCHWOOD ABANDONIMENT CONSTRUCTION | 07424 7476 | 00.00 | 0.00 | 0.00 |
| STATION - ENGINEER 07426 1000 0.00 0.00 STATION - CONSTRUCTION 07426 2000 0.00 0.00 STATION - ENGINEER 07427 1000 0.00 0.00 STATION - ENGINEER 07428 1000 0.00 0.00 MP STATION CONSTRUCTION 07428 2000 0.00 5,382.80 MP STATION CONSTRUCTION 07428 2000 0.00 0.00 ULT (100,000.00) (5,382.80) | LOCHWOOD ELIMINATION PHASE 2 | 07424 7477 | 0.00 | 0000 | 00'0 |
| STATION - CONSTRUCTION 07426 2000 0.00 0.00 O STATION - ENGINEER 07427 1000 0.00 0.00 O STATION - CONSTRUCTION 07428 1000 100,000.00 5,382.80 MP STATION CONSTRUCTION 07428 2000 0.00 0.00 O MP STATION CONSTRUCTION 07428 2000 0.00 0.00 ULT (100,000.00) (5,382.80) | HERSHEY MILL STATION - ENGINEER | 07426 1000 | 00.00 | 0.00 | 00.00 |
| O STATION - ENGINEER 07427 1000 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | HERSHEY MILL STATION - CONSTRUCTION | 07426 2000 | 00.00 | 0.00 | 0.00 |
| O:00 0:00 0:00 0:00 0:00 0:00 0:00 0:00 | RESERVE PUMP STATION - ENGINEER | 07427 1000 | 00.0 | 00'0 | 0.00 |
| MP STATION - ENGINEER 07428 1000 100,000.00 5,382.80 MP STATION CONSTRUCTION 07428 2000 0.00 0.00 100,000.00 5,382.80 ULT (100,000.00) (5,382.80) | RESERVE PUMP STATION - CONSTRUCTION | 07427 2000 | 0.00 | 00.00 | 00.0 |
| MP STATION CONSTRUCTION 07428 2000 0.00 0.00 0.00 0.00 0.00 0.00 0. | RESERVOIR PUMP STATION - ENGINEER | 07428 1000 | 100,000.00 | 5,382.80 | 6,372.80 |
| 100,000.00 5,382.80 ULT (100,000.00) (5,382.80) | RESERVOIR PUMP STATION CONSTRUCTION | 07428 2000 | 0.00 | 0.00 | 0.00 |
| (100,000.00) (5,382.80) | TOTAL EXPENSES | | 100,000.00 | 5,382.80 | 6,372.80 |
| | CAPITAL NET RESULT | | (100,000.00) | (5,382.80) | (6,372.80) |
| | POLICE CANADA ALIMENTAL PARAMA | | | 00.000.000.00 | |

Report Date 03/03/15

GL Transaction Details

MGRP18 run by BRIAN 4 : 01 PM

| Acct # | Per | Src | Trx # | Debits | Credits | Beg/End Bal | | Check/Ref # | Name/Description |
|------------|--------------|------------|----------------------------------|--------|----------------------------|-------------|----------------------------------|---------------------------------------|---|
| 07341-1000 | | | EARNINGS 46156 | , | 1.44 | 0.00 | | | INTEREST EARNED JANUARY 2015 07 FUND |
| | 1502 | | 46526 | | | -1.44 | | INTEREST | INTEREST EARNED FEBRUARY 2015 07 FUND |
| | | | | | 1.17 | | | | |
| | | | | | | -2.61 | | | |
| 07341-1020 | INTE | | EARNED - 46156 | | | 0.00 | | INTEREST | INTEREST EARNED JANUARY 2015 07 FUND |
| | 1502 | Per 440 AM | 46526 | | | -131.97 | | INTEREST | INTEREST EARNED FEBRUARY 2015 07 FUND |
| | | | | 0.00 | 119.08 | -251.05 | | | |
| | | | | 0.00 | 251.05 | -251.05 | | | |
| 07364-1130 | CONN | ECTI | on fees - | SEWER | | 0.00 | | | |
| | 1501 | | 45967 45968 | 141.12 | 423.00 | | | 789 PINE ROCK | 1 GEORGE SMITH & CHRISTINA CONLE ANNUAL PINE ROCK INSTALLMENT |
| | 1502 | | 46296 46479 46297 46480 | | 423.00 423.00 | | 02/13/15 02/26/15 02/13/15 | 248 2381 PINE ROCK PINE ROCK | 1 JACOBS, ROBERT & CHERYL 1 STOFFLET, MICHAEL ANNUAL PINE ROCK INSTALLMENT ANNUAL PINE ROCK INSTALLMENT |
| | | | | 282.24 | 846.00 | -845.64 | | | |
| | | | | 423.36 | 1,269.00 | -845.64 | | | |
| 07380-1000 | MISC 1501 | | NEOUS REV 45968 | enue/ | 141.12 | 0.00 | 01/16/15 | PINE ROCK | ANNUAL PINE ROCK INSTALLMENT |
| | 1502 | | 46297 46480 | 0.00 | 141.12 141.12 141.12 | | 02/13/15 | PINE ROCK | ANNUAL PINE ROCK INSTALLMENT ANNUAL PINE ROCK INSTALLMENT |
| | | | | 0.00 | 282.24 | -423.36 | | | |
| | | | | 0.00 | 423.36 | -423.36 | | | |

PAGE

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Beg Bal

0.00

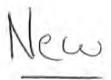
GL Transaction Details

2 PAGE

| Acct # | Per | Src | Trx # | Debits | Credit | s | Beg/End Bal | Date | Check/Ref # | ID | # | Name/Description |
|------------|------|-----------|---------|---------------|--------|-----|-------------|----------|---|----|------|---|
| 07424-3000 | MISC | ELLAI | NEOUS 1 | EXPENSE | | | 0.00 | | | | | |
| | 1501 | CD | 45777 | 950.00 | | | | 01/02/15 | 2260 | | 2132 | PENNSYLVANIA MUNICIPAL AUTHORITIES ASSO 2015 ACTIVE MEMBERSHIP DUES |
| | | | 46110 | 500,00 | | | | 01/29/15 | 2263 | | | COMMONWEALTH OF PA ANNUAL FEE - NPDES PERMIT -CHAP. |
| | | | | 1,450.00 | 0 | .00 | 1,450.00 | | | | | |
| | | | | 1,450.00 | 0 | .00 | 1,450.00 | | | | | |
| 07424-3130 | ENGI | neer: | ing sei | RVICES | | | 0.00 | | | | | |
| | | | 45953 | 621.50 | | | | 01/15/15 | 2261 | | 1052 | PENNONI ASSOCIATES INC. SERVICES THRU 12/7/14 GENERAL |
| | | | 46013 | 640.00 | | | | 01/22/15 | 2262 | | 1052 | PENNONI ASSOCIATES INC. SERVICE THRU 11/9/14 GEN.SERVICE |
| | | | | | 0 | .00 | 1,261.50 | | | | | |
| | 1502 | | 46311 | 5,571.50 | | | | 02/13/15 | | | | PENNONI ASSOCIATES INC. SERVICES THRU 1/18/15 2014 CHAP. |
| | | | | 5,571.50 | 0 | .00 | 6,833.00 | | | | | |
| | | | | 6,833.00 | | .00 | | | | | | |
| 07428-1000 | RESE | RVOII | R PUMP | STATION - ENG | SINEER | | 0.00 | | | | | |
| | 1501 | | 45954 | 137.50 | | | | 01/15/15 | 10029 | | 1052 | PENNONI ASSOCIATES INC. SERV.THRU 12/7/14 RESERV.RD ACT |
| | | | 46014 | 852.50 | | | | 01/22/15 | 10030 | | 1052 | PENNONI ASSOCIATES INC. SERVICE THRU 11/9/14 RESERVOIR R ACT.537 |
| | | | | 990.00 | 0 | .00 | 990.00 | | | | | |
| | 1502 | | 46312 | 5,382.80 | | | | 02/13/15 | 10031 | | | PENNONI ASSOCIATES INC. SERV.THRU 1/18/15 RESERVOIR RD.P ACT 537 PLANNING |
| | | | | 5,382.80 | 0 | .00 | 6,372.80 | | *************************************** | | | |
| | | | | 6,372.80 | 0 | .00 | 6,372.80 | | *************************************** | | | |

15,079.16 1,946.02 13,133.14





February 13, 2015

East Goshen Township 1580 Paoli Pike West Chester, PA. 19380

Attn: Mr. Mark Miller

Re: Ridley Creek WWTP - TVSS for UV System

We offer a T & M budget price of \$5,402.80 for the following electrical work at the above referenced location. Our price includes:

 1 – Install new GE TPR7120S12WMNiD TVSS in control room after the transformer install, ahead of the UV system controls install

LS – Rework pipe and wire

| Materials | \$4,092.00 |
|-----------------------------------|------------|
| 15% | \$613.80 |
| Labor mechanic 5 hrs. @ \$75.50 | \$377.50 |
| Labor apprentice 5 hrs. @ \$58.50 | \$292.50 |
| Service Truck | \$27.00 |
| | \$5,402.80 |

If you have any questions, please do not hesitate to contact me directly @ 610-636-6511.

Sincerely,

LENNI ELECTRIC CORPORATION

James C. Hallman, Jr.

C & I Division