

**EAST GOSHEN MUNICIPAL AUTHORITY**

**July 13, 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. June 8, 2015

4. APPROVAL OF INVOICES

- a. Pennoni Invoice #642371 \$ 933.75
- b. Pennoni Invoice #642372 \$ 333.75
- c. Pennoni Invoice #642373 \$10,071.50
- d. Pennoni Invoice #642374 \$770.00
- e. Gawthrop Invoice #133458 \$380.00
- f. Gawthrop Invoice #132427 \$860.00 (Invoice has been paid)

5. LIAISON REPORTS

6. FINANCIAL REPORTS

- a. June 2015 Report

7. OLD BUSINESS

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 – Dana - **Completed**  
Need by 8/31/15 - **Ed**

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. 3/9 concept design completed, met with PA DEP. 5/11 stormwater perc test completed, scheduled to meet with CCCD on 5/21 6/8  
Nothing unusual from our meeting with CCCD. Rick and Mark need to met with WG to discuss control process. **6/22 WG is ok with proposed control process**
- c. Attend West Goshen Meetings quarterly – more often if needed.
  - 1<sup>st</sup> Quarter – Jack - **Completed**
  - 2<sup>nd</sup> Quarter – Jack - **Completed**
  - 3<sup>rd</sup> Quarter - Ed
  - 4<sup>th</sup> Quarter
- d. Respond to capacity requests in 45 days or less.
- e. Continue to implement I & I Plan 5/11 meeting with Mike on 5/13 to review plan
- f. Operate RCSTP in compliance with NPDES Permit **February, April, May, June**

9. NEW BUSINESS

10. CAPACITY REQUESTS

11. ANY OTHER MATTER

12. CORRESPONDENCE AND REPORTS OF INTEREST

13. PUBLIC COMMENT

14. ADJOURNMENT

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

July 8, 2015

To: Municipal Authority  
From: Mark Miller  
Re: June 2015 Monthly Report

**Meters:** All meters were read on a daily basis there were no problems to report for the month. Temporary meters were pulled and sent out for re-calibration. We are waiting for them to be returned.

**C.C. Collection:** All pumping stations were visited on a routine basis. We had Aqua come in to clean all the wet wells.

We are preparing Cooper Circle and Supplee Valley for road re-surfacing.

**R.C. Collection:** Was visited on a routine basis with no problems to report.

**R.C. Plant:** Was visited on a routine basis with no problems to report.

**Re-sale Inspections:**

**Alarms:** We responded to 12 alarms for June.

**PA One Calls:** We received 46 PA One calls for June.



## MEMORANDUM

**TO:** East Goshen Municipal Authority Board  
Rick Smith, Township Manager

**FROM:** Michael Ellis, P.E.  
Authority Engineer

**DATE:** July 10, 2015

**SUBJECT:** Engineer's Report

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### Invoices

- Invoices with summaries are provided under separate cover.

### Ridley Creek Sewage Treatment Plant (RCSTP)

- No activity since the last report.

### Reservoir Road Pump Station

- We continued with the stormwater management design, and we will submit a proposal for the Final Design and Permitting scope of work prior to the July 13<sup>th</sup> Authority meeting.

### Hershey'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 ASAP if they have not already been performed.

### New Connections

- We performed field inspections during construction of the grinder pump and low pressure service piping at 1414 Bramble Lane.





## Monthly Operations Report: June 2015

### Executive Summary

The Ridley Creek sewage treatment plant outfall 001 achieved compliance with the NPDES discharge permit during May 2015. Discharge to Applebrook continued during May. 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 sludge dewatering equipment.

### Treatment Process Operation

During May 2015, there were no exceedances of the final effluent discharge limitations for outfall 001. Additional TSS samples were collected each week. The total phosphorus monthly average concentration of 0.21 mg/L as compared to the permitted limitation of 0.50 mg/L. Table 1 illustrates the final effluent composite sample data reported for the May 2015 eDMR. During the month, the final effluent total phosphorus concentration discharged ranged from 0.10 mg/L to 0.26 mg/L. The aluminum sulfate daily average decreased to 80.1 gpd.

Table 1

May 2015 - Final Effluent - Out Fall 001											
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		Phosphorus, Total , mg/L		Fecal Coliform	
	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											
May 5, 2015	0.172	2.2	3.2	8	11	0.371	0.53	0.24	0.34	1	0.0000
May 7, 2015	0.244			7	14						
May 12, 2015	0.211	5.7	10.0	8	14	0.653	1.1	0.24	0.42	1	0.0000
May 19, 2015	0.184	2.0	3.1	6	9	0.804	1.2	0.26	0.40	1	0.0000
May 26, 2015	0.184	2.8	4.3	4	6	0.576	0.9	0.10	0.15	1	0.0000
May 28, 2015	0.242			5	10						
Average	0.206	3.2	5.1	6	11	0.601	0.95	0.21	0.33	1	0.0000
Minimum	0.172	2.0	3.1	4	6	0.371	0.53	0.10	0.15	1	0.0000
Maximum	0.244	5.7	10.0	8	14	0.804	1.23	0.26	0.42	1	0.0000



Discharge to Applebrook, Outfall 002, continued during May 2015. Table 1 illustrates the final effluent composite sample data reported for the May 2015 eDMR. There were exceedances of the permitted discharge limitations for Outfall 002.

**Table 2**

<b>May 2015 - 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 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											
May 5, 2015	0.138	2.2	3.2	8.0	11.5	0.37	0.53	0.24	0.34	1.0	0.0
May 7, 2015	0.139			7.0	14.2						
May 12, 2015	0.129	5.7	10.0	8.0	14.1	0.65	1.15	0.24	0.42	1.0	0.0
May 19, 2015	0.114	2.0	3.1	6.0	9.2	0.80	1.23	0.26	0.40	1.0	0.0
May 26, 2015	0.117	2.8	4.3	4.0	6.1	0.58	0.88	0.10	0.15	1.0	0.0
May 28, 2015	0.113			5.0	10.1						
Average	0.125	3.2	5.1	7	11.0	0.60	0.95	0.21	0.33	1	0.0000
Minimum	0.113	2.0	3.1	4	6.1	0.37	0.53	0.10	0.15	1	0.0000
Maximum	0.139	5.7	10	8	14.2	0.80	1.23	0.26	0.42	1	0.0000

Table 3 illustrates the influent wastewater pollutant loadings for May 20115. The influent loadings remained within the treatment facility design loadings.



**Table 3**

<b>May 2015 - 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											
May 5, 2015	0.409	200	683	211	720	52.2	178	74.6	255	7.9	27
May 12, 2015	0.430	218	744	208	710	45.7	156	63.4	227	6.7	23
May 19, 2015	0.373	110	376	79	270	37.3	127	55.7	173	5.8	20
May 26, 2015	0.385	208	710	196	669	51.3	175	93.9	301	7.4	25
Average	0.399	184	628	174	592	46.6	159	71.9	239	7.0	24
Minimum	0.373	110	376	79	270	37.3	127	55.7	173	5.8	20
Maximum	0.430	218	744	211	720	52.2	178	93.9	301	7.9	27

Table 4 presents the available Outfall 001 final effluent data for the month of June 2015. During June, the absence of foam conditions on the surface of the SBRs remained at less than 10% of the surface area. This is attributed to increasing the F:M ratio and increased biological activity resulting in part from the increasing MLSS water temperatures.

During June, there are no exceedances of the permitted limitations for Outfalls 001 and 002. Split sampling of the composite sample collected by Applied Laboratory Services (ALS) is ongoing for comparative analysis and daily results.



Table 4

June 2015 - Final Effluent - Out Fall 001											
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		Phosphorus, Total , mg/L		Fecal Coliform	
	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											
June 2, 2015	0.220	5.0	9.2	10	18	1.010	1.85	0.23	0.42	1	0.0000
June 4, 2015	0.240			5	10						
June 9, 2015	0.207	3.3	5.7	8	14	1.270	2.19	0.39	0.67	3	0.4771
June 11, 2015	0.202			3	5						
June 16, 2015	0.190	2.0	3.2	7	11	0.406	0.64	0.10	0.16	1	0.0000
June 19, 2015	0.230			4	8						
June 23, 2015	0.238	4.4	8.7	8	16	0.237	0.47	0.28	0.56	6	0.7782
June 25, 2015	0.195			4	7						
June 30, 2015	0.228	2.2	4.2	6	11	1.070	2.03	0.36	0.68	3	0.4771
Average	0.217	3.4	6.2	6	11	0.799	1.44	0.27	0.50	2	0.3465
Minimum	0.190	2.0	3.2	3	5	0.237	0.47	0.10	0.16	1	0.0000
Maximum	0.240	5.0	9.2	10	18	1.270	2.19	0.39	0.68	6	0.7782

During June 2015, discharge of treated effluent to Applebrook. Table 5 illustrates the available data for outfall 002.

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 5**

June 2015 - Applebrook - Out Fall 002											
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		Phosphorus, Total , mg/L		Fecal Coliform	
	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											
June 2, 2015	0.114	5.0	9.2	10.0	18.3	1.0	1.9	0.2	0.4	1.0	0.0
June 4, 2015	0.112			5.0	10.0						
June 9, 2015	0.106	3.3	5.7	8.0	13.8	1.3	2.2	0.4	0.7	3.0	0.5
June 11, 2015	0.121			3.0	5.1						
June 16, 2015	0.116	2.0	3.2	7.0	11.1	0.4	0.6	0.1	0.2	1.0	0.0
June 19, 2015	0.130			4.0	7.7						
June 23, 2015	0.124	4.4	8.7	8.0	15.9	0.2	0.5	0.3	0.6	6.0	0.8
June 25, 2015	0.124			4.0	6.5						
June 30, 2015	0.121	2.2	4.2	6.0	11.4	1.1	2.0	0.4	0.7	3.0	0.5
Average	0.1187	3.4	6.2	6	11.1	0.80	1.44	0.27	0.50	3	0.3465
Minimum	0.1058	2.0	3.2	3	5.1	0.24	0.470	0.10	0.16	1	0.0000
Maximum	0.1303	5.0	9.2	10	18.3	1.27	2.19	0.39	0.68	6	0.7782

Table 6 presents the available pollutant data for the influent wastewater collected at the doghouse manhole during June 2015.

**Table 6**

June 2015 - Influent Wastewater											
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										
June 2, 2015	0.369	311	957	236	726	49.0	151	64.4	198	8.5	26
June 9, 2015	0.382	382	1,176	454	1,398	25.9	80	44.9	143	4.7	14
June 16, 2015	0.364	129	397	122	376	51.1	157	69.2	210	6.6	20
June 23, 2015	0.421	130	400	209	643	34.2		57	200	5.3	16
June 30, 2015	0.405	210	646	160	493	36.7		41.0	138	3.9	12
Average	0.388	232	715	236	786	39.4	129	55.3	188	5.8	18
Minimum	0.364	129	397	122	376	25.9	80	41.0	143	3.9	12
Maximum	0.421	382	1176	454	1398	51.1	157	69.2	210	8.5	26



Sequencing batch reactors (SBRs) numbered 1, 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. The volume of aluminum sulfate solution to the SBRs decreased from 83.4 gpd to 80.1 gpd. Soda ash daily addition increased from 434lb/day to 444 lbs/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: June 2015**

<b>Sludge Dewatering Summary</b>	
Gallons of sludge dewatered	212,009
Average Dewatered Total Solids, %	NA
Wet Tons	NA
Dry Tons	NA
Number of dumpsters	4

*\*Sixteen (16) days of centrifuge operation*

#### **Flow data:**

<b>June 2015</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*	11.594	386,471	495,200
Influent Wastewater to SBRs	12.203	406,757	494,464
Internal Recycle	0.755	26,967	53,022
Treated Effluent to Disc Filters	12.091	403,044	488,896
Final Effluent Discharge	6.229	209,733	277,000
Applebrook Golf Course	3.485	224,814	131,532



#### **Chemical Usage:**

June 2015		
Chemical	Daily Average	Total Monthly
Soda Ash	444	13,350
Aluminum Sulfate solution	80.1	2,403
Polymer (centrifuge)	0.84	13.44

*\*twenty one (21) days of centrifuge operation*

During June, 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 May was 14.39 feet and the level at the end of the month was 10.35 feet. The average pH concentration was 7.01 S.U. and average total alkalinity concentration was 302 mg/L. 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 5.99 feet and the level at the end was 9.85. . The average pH concentration was 6.35 S.U. and average total alkalinity concentration was 132 mg/L. 600 pounds of soda ash were added. Zero gallons of supernatant were decanted.

#### **Significant Storm/Hydraulic Loading Events**

During June, there were seven (7) storm events resulting in daily precipitation amounts greater than 0.5 inches measured during a 24 hour period. A total of 7.35 inches of rainfall was measured at the facility during June. Plant operations were adjusted to manage the precipitation to prevent exceedances of the permitted discharge limitations for Outfalls 001 and 002.

#### **Minor Repairs and Preventative Maintenance**

No unscheduled minor repairs or equipment failures were experienced during June.



Precip		WESTTOWN WAY			ELLIS LANE			PAOLI PIKE			WILSON DRIVE			SUMMIT	NET
		DATE	READING	GPD	READING	GPD	READING	GPD	READING	GPD	READING	GPD	FLOWS		
Inches			1000			10			10			10		GPD	
0.75	06/01/15	2,068,621	919,000	8,698,158	82,045	5,439,767	65,595	4,340,498	53,588	24,000	717,773				
0.25	06/02/15	2,069,662	1,041,000	8,709,192	110,340	5,448,888	91,210	4,348,297	77,990	24,000	716,460				
0.00	06/03/15	2,070,638	976,000	8,718,137	89,450	5,457,217	83,290	4,355,058	67,610	24,000	735,650				
0.50	06/04/15	2,071,583	945,000	8,726,505	83,680	5,466,470	92,530	4,361,771	67,130	24,000	701,660				
0.00	06/05/15	2,072,531	948,000	8,734,378	78,730	5,474,670	82,000	4,367,981	62,100	24,000	725,170				
0.00	06/06/15										725,170				
0.00	06/07/15										725,170				
1.00	06/08/15	2,075,220	886,333	8,758,587	80,697	5,493,391	62,403	4,383,846	52,883	24,000	700,350				
0.00	06/09/15	2,076,259	1,039,000	8,768,961	103,740	5,500,972	75,810	4,391,781	79,350	24,000	780,100				
0.00	06/10/15										780,100				
0.00	06/11/15										780,100				
0.00	06/12/15										780,100				
0.00	06/13/15										780,100				
0.12	06/14/15										780,100				
0.00	06/15/15	2,081,818	926,500	8,817,615	81,090	5,538,100	61,880	4,431,238	65,762	24,000	717,768				
0.00	06/16/15	2,082,715	897,000	8,825,350	77,350	5,544,521	64,210	4,439,035	77,970	24,000	677,470				
0.75	06/17/15	2,083,644	929,000	8,833,019	76,690	5,550,552	60,310	4,448,528	94,930	24,000	697,070				
0.25	06/18/15	2,084,636	992,000	8,842,278	92,590	5,556,965	64,130	4,459,453	109,250	24,000	726,030				
0.50	06/19/15	2,085,640	1,004,000	8,852,247	99,690	5,563,298	63,330	4,470,460	110,070	24,000	730,910				
0.00	06/20/15										730,910				
0.45	06/21/15										730,910				
0.00	06/22/15	2,088,471	943,667	8,878,676	88,097	5,582,223	63,083	4,500,139	98,930	24,000	693,557				
0.60	06/23/15	2,089,435	964,000	8,886,354	76,780	5,588,730	65,070	4,511,166	110,270	24,000	711,880				
0.00	06/24/15										711,880				
0.12	06/25/15	2,091,404	984,500	8,903,702	86,740	5,602,340	68,050	4,533,022	109,280	24,000	720,430				
0.00	06/26/15	2,092,386	982,000	8,911,658	79,560	5,609,342	70,020	4,544,942	119,200	24,000	713,220				
0.85	06/27/15										713,220				
0.00	06/28/15										713,220				
0.00	06/29/15	2,095,709	1,107,667	8,947,554	119,653	5,633,058									



[illegible]

# 2015 SUMMARY OF METER READINGS

	WESTTOWN WAY	ELLIS LANE	PAOLI PIKE	WILSON DRIVE	SUMMIT	HERSHEY MILL	ASHBRIDGE	HICKS	RESERVOIR	BARKWAY
JANUARY	1,037,476	93,837	60,552	66,143	24,000	64,460	60,156	251,166	706,594	11,242
FEBRUARY	1,023,411	90,015	59,017	64,695	24,000	69,673	64,656	265,565	683,531	11,872
MARCH	1,212,666	123,312	70,912	70,480	24,000	94,740	81,101	300,634	836,728	12,978
APRIL	1,035,131	96,381	64,670	58,196	24,000	73,758	69,102	255,415	687,609	9,616
MAY	950,383	83,945	62,532	56,242	24,000	64,613	64,751	238,820	640,954	9,901
JUNE	973,259	88,786	70,960	87,499	24,000	61,541	64,699	270,354	681,599	10,009
JULY										
AUGUST										
SEPTEMBER										
OCTOBER										
NOVEMBER										
DECEMBER										
Total Flows										
Monthly Ave	1,038,721	96,046	64,774	67,209	24,000	71,464	67,411	263,659	706,169	10,936

To  
West Goshen 810,692

# 2015 SUMMARY OF METER READINGS

WESTTOWN WAY	ELLIS LANE	PAOLI PIKE	WILSON DRIVE	SUMMIT
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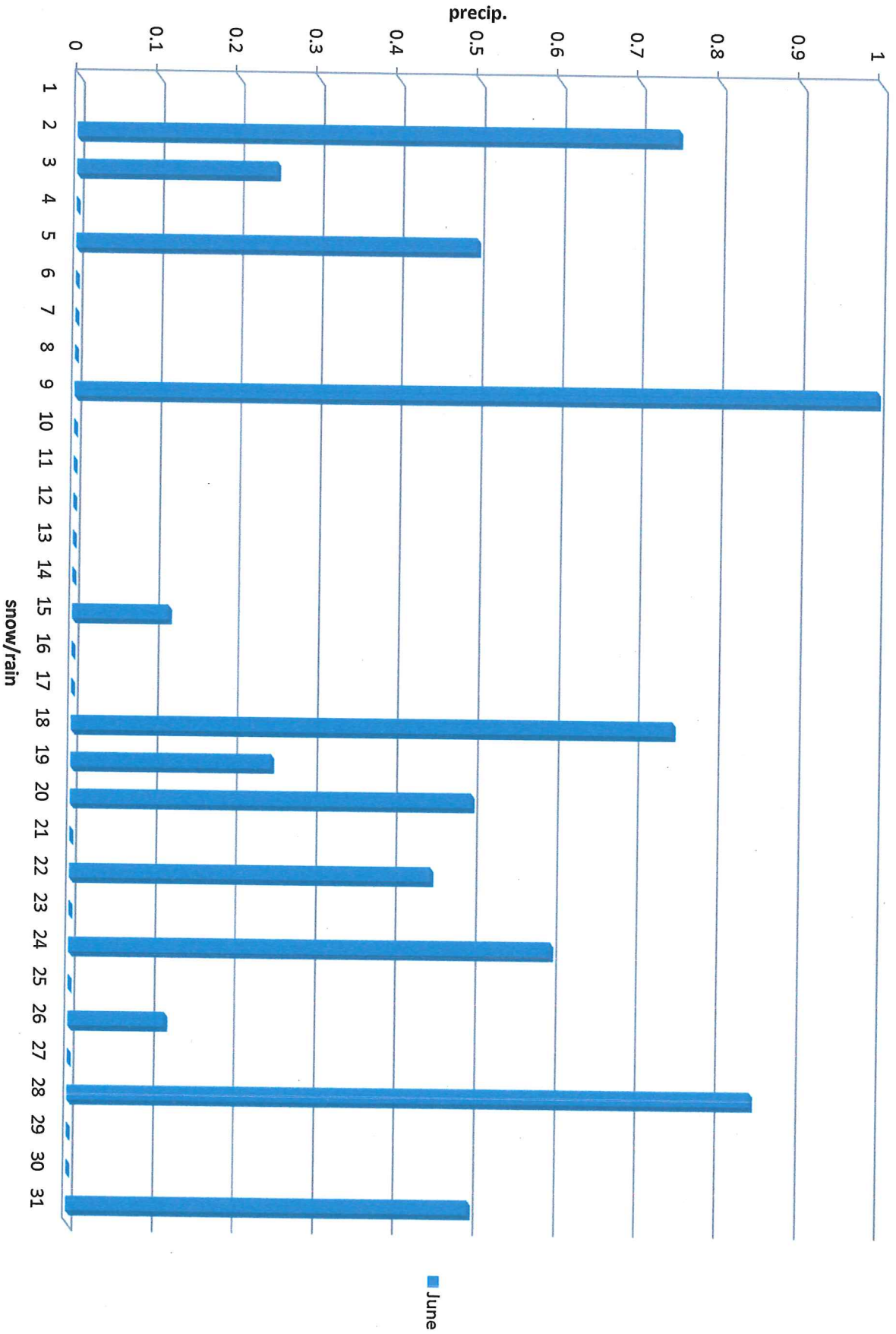
JANUARY	1,037,476	93,837	60,552	66,143	24,000
FEBRUARY	1,023,411	90,015	59,017	64,695	24,000
MARCH	1,212,666	123,312	70,912	70,480	24,000
APRIL	1,035,131	96,381	64,670	58,196	24,000
MAY	950,383	83,945	62,532	56,242	24,000
JUNE	973,259	88,786	70,960	87,499	24,000
JULY					
AUGUST					
SEPTEMBER					
OCTOBER					
NOVEMBER					
DECEMBER					

## Total Flows

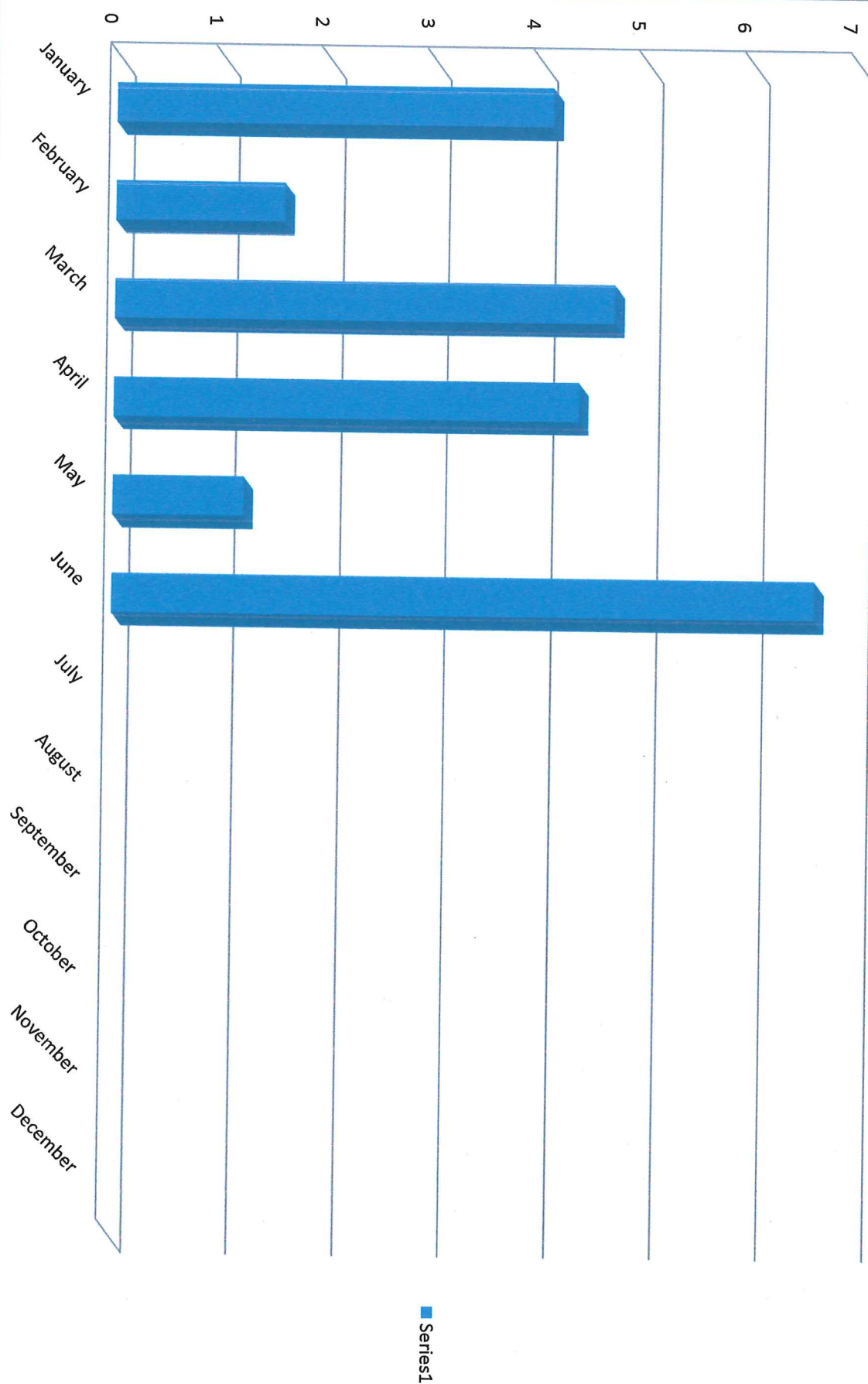
Monthly Ave	1,038,721	96,046	64,774	67,209	24,000
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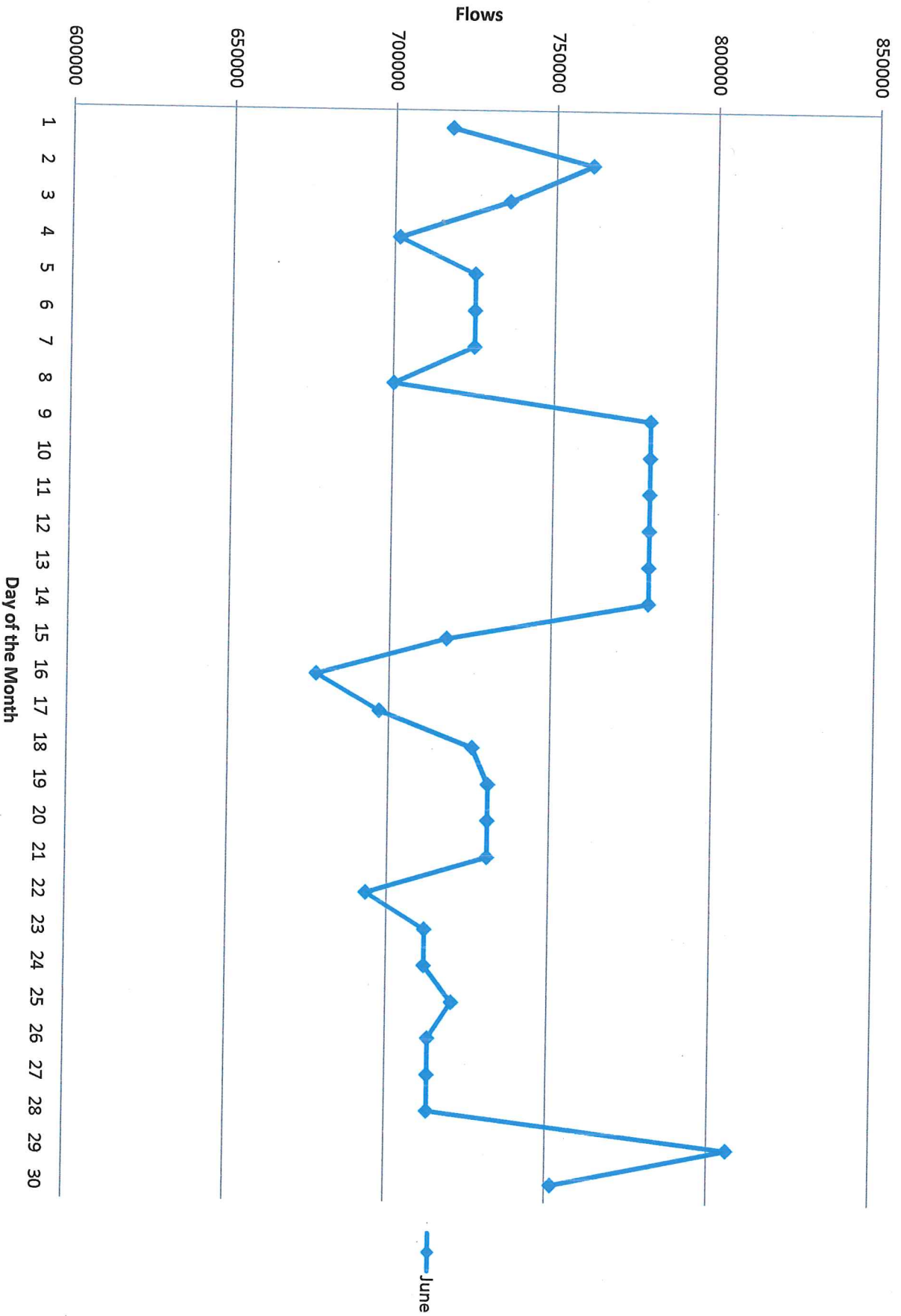
# June Precip. 6.64 - 2015



# 2015 Monthly Precipitation

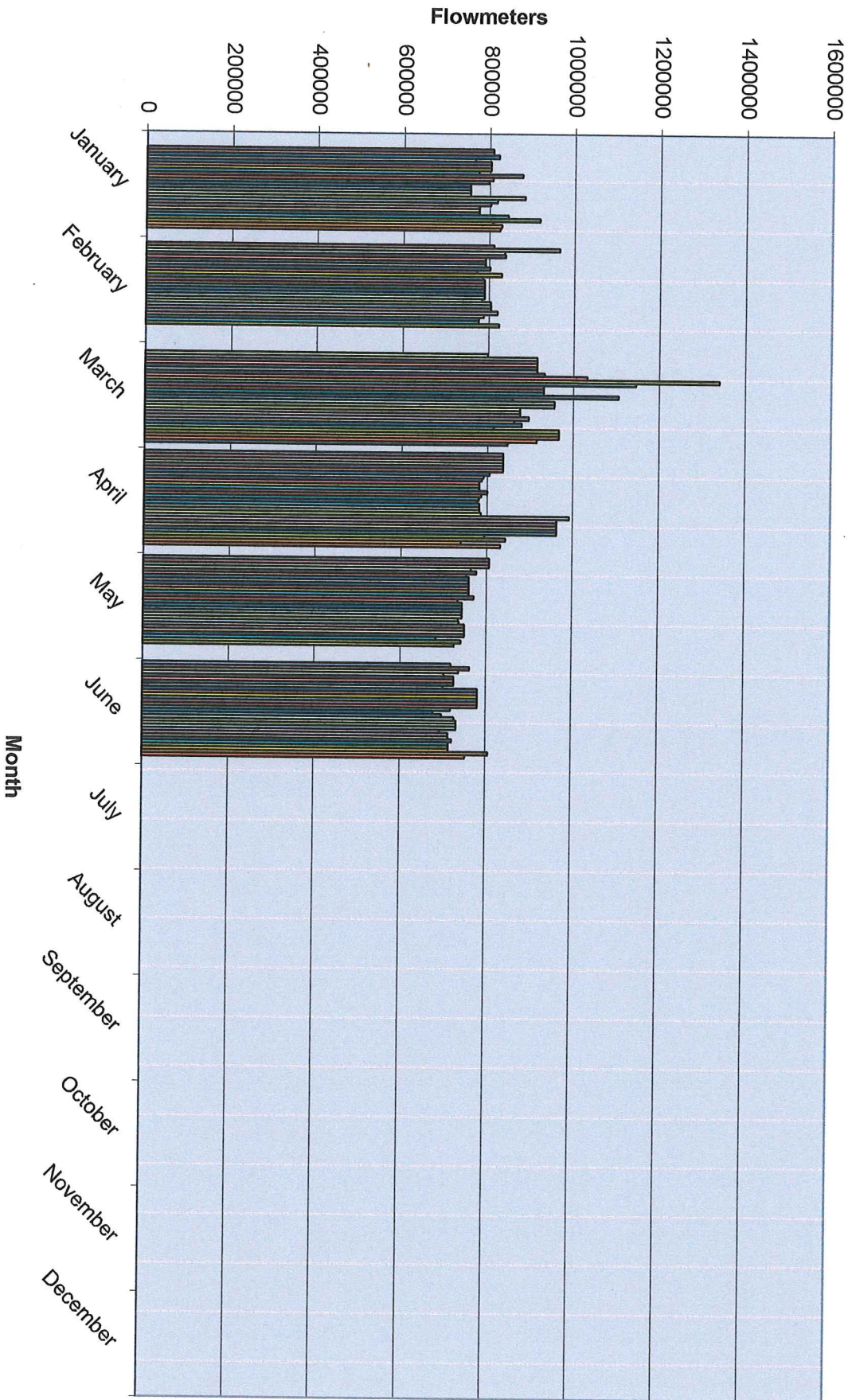


# Flowmeters June 2015





# Monthly Totals 2015 Jan-Dec



**Draft**  
**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY**  
**MEETING MINUTES**  
**June 8, 2015**

The East Goshen Township Municipal Authority held their regular public meeting on Monday, June 8, 2015 at 6:00 pm at the East Goshen Township building. Members in attendance were: Vice Chairman Dana Pizarro, Jack Yahraes, Fran Beck, and Ed McAssey. Also in attendance were: Rick Smith (Township Manager), Carmen Battavio (Township Supervisor), Mike Ellis (Pennoni), and Jessica Wiesak (Attorney).

**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**

Dana called the meeting to order at 6:08 pm and led those present in the Pledge of Allegiance. There was a moment of silence to remember the troops and all veterans. Dana asked if anyone would be recording the meeting and there was no response.

**Chairman's Report/Other Members' Reports**

1. No Report.

**Sewer Reports**

**1. Director of Public Works**

Mark Miller reported for May 2015:

Meters: All meters were read on a daily basis. There were no problems to report for the month. Temporary meters will be pulled and sent out.

C.C. Collection: All pumping stations were visited on a routine basis. We did have a problem with the Hershey Mill pump station. The pumps kept tripping out. John Laidly was called in to trouble shoot. An electronic relay switch was replaced. We had Pipe Data View in to clean and televise Supplee Valley, Cooper Circle, Reservoir Road, Waterford Development, Highland and Taylor Roads, and Vista Farms. They located several breaks in Supplee Valley. I have asked them to make 4 point repairs. We will have to excavate one of the repairs.

R.C.Collection: Was visited on a routine basis with no problems to report.

R.C. Plant: Was visited on a routine basis with no problems to report.

Re-sale Inspections:

Alarms: We responded to 17 alarms for the month of May.

PA One Calls: We received 46 PA One calls in May



1 **2. Pennoni Engineer's Report**

2 Mike Ellis provided the following report:

3 Invoices: Invoices with summaries are provided under separate cover.

4 Ridley Creek Sewage Treatment Plant (RCSTP):

5 1. No activity since the last report.

6 Reservoir Rd Pump Station:

7 We are nearing completion of the approximately 70% "progress design" scope of work  
8 including plan preparation, updating the PA One Call ticket, initiating coordination with  
9 the various pipeline companies whose utilities will be crossed.

10 The progress design plans were reviewed with the Township Manager and PW Director  
11 on May 13<sup>th</sup>. There were no significant concerns or comments.

12 We attended a NPDES Stormwater pre-application meeting with PADEP and the Chester  
13 Co Conservation District on May 21<sup>st</sup>. We revised the progress design plans to address  
14 certain comments after the meeting and we initiated stormwater design calculations.

15 Semi-Annual I&I Reports:

16 We met with the Township Manager and PW Director on May 13<sup>th</sup> to review the April  
17 2015 Semi-Annual I&I report and to determine proposed portable metering and  
18 investigation locations for the next 6 months. The report was revised accordingly and  
19 reissued on May 19<sup>th</sup>.

20 Hershey's Mill PS and Marydell PS Diversions

21 The 2-year maintenance Bonds on the Hershey's Mill PS and Marydell PS Diversions  
22 expire on July and August respectively. We recommend warranty inspections be  
23 performed ASAP if they have not already been done.

24 New Connections

25 We performed field inspections during construction of the grinder pump and low pressure  
26 service piping at 610A Reservoir Rd. including directionally drilling under the roadway  
27 directly into a Township manhole.

28 We reviewed 3 interactive submissions for a proposed grinder pump at 1414 Bramble  
29 Lane, and the final submission was approved. Construction is scheduled to begin on June  
30 5<sup>th</sup> and we will perform inspections during the work.

31 Mike mentioned that the Northern Long-Eared Bat has been added to the endangered list. We  
32 will have to review the previous report.

33  
34  
35  
36 **3. Big Fish Environmental Services** – Scott reported that the Ridley Creek sewage treatment  
37 plant outfall 001 achieved compliance with the NPDES discharge permit during April 2015.  
38 Discharge to Applebrook commenced on May 4<sup>th</sup> and is identified as outfall 002. Chemical  
39 usage utilized for total phosphorus removal, pH and total alkalinity remained consistent with  
40 previous months. No mechanical or operational issues were observed during operation of sludge  
41 dewatering equipment. Completion of the filter media replacement for disc filter #2 was  
42 completed. Several UV lamps and one (1) ballast were replaced.

43  
44 Approval of Minutes

45 Jack moved to accept the minutes of May 11, 2015 as corrected. Fran seconded the motion. The  
46 motion passed unanimously.

1  
2 **Approval of Invoices**

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

- 4 a. Pennoni #638119 \$ 1,400.00  
5 b. Pennoni #638120 \$ 443.75  
6 c. Pennoni #638121 \$ 9,249.50

7 Jack seconded the motion. The motion passed unanimously.  
8

9 **Liaison Reports**

10 **Board of Supervisors** – Carmen updated the members on the status of the Comprehensive Plan.  
11

12 **Financial Reports**

13 Jon Altshul provided the following report:

14 In May, the Municipal Authority recorded \$2,552 in revenues (including a Chester Creek tap-in  
15 fee on Park Avenue) and \$25,962 in expenses (including \$15,826 for Reservoir Rd Pump Station  
16 engineering and \$10,137 for general engineering), for a variance of -\$23,410. As of May 31<sup>st</sup>,  
17 the fund balance was \$1,518,350, of which \$1,471,128 is in the construction account.  
18

19 **Goals**

20 Ed will provide a newsletter article by 8/31/15.

21 Ed will attend the 3<sup>rd</sup> quarter West Goshen meeting.  
22

23 **New Business**

24 Mike presented a proposal to consider expanding the scope of Reservoir Road Pump station  
25 Engineering – Phase 09. He expects that there will be approx. \$12K remaining in the Phase 9  
26 Progress Design budget. He proposed to use that over the next month to continue with the next  
27 phase of work, which would include, coordinating with the pipeline companies, progressing the  
28 electrical and controls designs from an approx. 40% to 70% design, and initiating the stormwater  
29 design and calcs and taking them to 40-50% design. Then a formal proposal can be provided for  
30 the July meeting. Ed moved to approve the proposal as presented in the email. Jack seconded  
31 the motion. The motion passed unanimously.  
32

33 **Adjournment**

34 There being no further business, Jack moved to adjourn the meeting. Fran seconded the motion.  
35 The motion passed unanimously. The meeting was adjourned at 6:40 pm.  
36

37 Respectfully submitted,  
38

39  
40 Rick Smith  
41 Township Manager



# 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 # : 642371  
Invoice Date : 06/30/2015  
Project : EGMA1501  
Project Name : 2015 General Services

For Services Rendered through: 6/21/2015

Prepared and submitted insurance, copies of Act 537 Plan, and other documentation to PA DCED as required for Reservoir Road PS Act 537 grant contract; revised Comprehensive Plan sewage basins' exhibit per Township Manager comments; prepared June Engineer's Report; prepared for and attended June MA meeting; and evaluated potential approach for RCSTP plant-wide electrical troubleshooting analysis.

Phase : \*\*\*\* -- Professional Services

Total Phase : \*\*\*\* -- Professional Services

Labor :	933.75
Expense :	0.00
Phase Total :	933.75

## Amount Due This Invoice

**\$933.75**

Fee :	12,000.00
Prior Billings :	6,992.75
Current Billings :	933.75
Total Billings :	7,926.50

Phase : \*\*\*\* -- Professional Services

### Labor

Class	Hours/ Units	Rate	Amount
Authority Engineer	7.75	115.00	891.25
Associate Engineer	0.50	85.00	42.50
Labor Total:	8.25		933.75

Total Phase : \*\*\*\* -- Professional Services

Labor :	\$933.75
Expense :	\$0.00

Total Project : EGMA1501 -- 2015 General Services

Labor :	\$933.75
Expense :	\$0.00

OK TRS 7-9-15

East Goshen Municipal Authority  
EGMA1501 Invoice Summary  
Invoice Date 06/30/2015

**Project:** EGMA1501  
**Pennoni Job No.:** 2015 General Services  
**Invoice No:** 642371  
**Invoice Period:** 5/18/2015 to 6/21/2015  
**Initial Authorization:** \$ 12,000.00 **Date:** 6/30/2015  
**Contract Amount:** \$ 12,000.00  
**Previously Invoiced:** \$ 6,992.75  
**Current Invoice:** \$ 933.75  
**Invoiced to Date (\$):** \$ 7,926.50  
**Invoiced to Date (%):** 66%  
**Remaining Budget (\$):** \$ 4,073.50  
**Remaining Budget (%):** 34%

**Budget by Phase:**

2015 General  
Services

**Phase Name:**  
**Phase Budget:** \$ 12,000.00  
**Previously Invoiced:** \$ 6,992.75  
**Current Invoice:** \$ 933.75  
**Invoiced to Date (\$):** \$ 7,926.50  
**Invoiced to Date (%):** 66%  
**Remaining Budget (\$):** \$ 4,073.50  
**Remaining Budget (%):** 34%

**Comments:** Prepared and submitted insurance, copies of Act 537 Plan, and other documentation to PA DCED as required for Reservoir Road PS Act 537 grant contract; revised Comprehensive Plan sewage basins' exhibit per Township Manager comments; prepared June Engineer's Report; prepared for and attended June MA meeting; and evaluated potential approach for RCSTP plant-wide electrical troubleshooting analysis.



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

Invoice # : 642372  
Invoice Date : 06/30/2015  
Project : EGMA1502  
Project Name : 2015 Semi-Annual I&I Reports

For Services Rendered through: 6/21/2015

Completed revisions to semi-annual Sewer System Status Report #13 based upon review with Township Manager and PW Director, and submitted revised report.

Phase : \*\*\*\* -- Professional Services

Total Phase : \*\*\*\* -- Professional Services

Labor :	333.75
Expense :	0.00
Phase Total :	333.75

Amount Due This Invoice

\$333.75

Fee :	10,500.00
Prior Billings :	6,488.75
Current Billings :	333.75
Total Billings :	6,822.50

Phase : \*\*\*\* -- Professional Services

Labor

Class	Hours/ Units	Rate	Amount
Authority Engineer	0.50	115.00	57.50
Associate Engineer	3.25	85.00	276.25
Labor Total:	3.75		333.75

Total Phase : \*\*\*\* -- Professional Services

Labor :	\$333.75
Expense :	\$0.00

Total Project : EGMA1502 -- 2015 Semi-Annual I&I Reports

Labor :	\$333.75
Expense :	\$0.00

OK RS 7-9-15

East Goshen Municipal Authority  
EGMA1502 Invoice Summary  
Invoice Date 06/30/2015

**Project:** EGMA1502  
**Pennoni Job No.:** 2015 Semi-Annual I&I Reports  
**Invoice No:** 642372  
**Invoice Period:** 5/18/2015 to 6/21/2015  
**Initial Authorization:** \$ 10,500.00 **Date:** 6/30/2015  
**Contract Amount:** \$ 10,500.00  
**Previously Invoiced:** \$ 6,488.75  
**Current Invoice:** \$ 333.75  
**Invoiced to Date (\$):** \$ 6,822.50  
**Invoiced to Date (%):** 65%  
**Remaining Budget (\$):** \$ 3,677.50  
**Remaining Budget (%):** 35%

**Budget by Phase:**

**Phase Name:** 2015 Semi-Annual I&I Reports  
**Phase Budget:** \$ 10,500.00  
**Previously Invoiced:** \$ 6,488.75  
**Current Invoice:** \$ 333.75  
**Invoiced to Date (\$):** \$ 6,822.50  
**Invoiced to Date (%):** 65%  
**Remaining Budget (\$):** \$ 3,677.50  
**Remaining Budget (%):** 35%

**Comments:** Completed revisions to semi-annual Sewer System Status Report #13 based upon review with Township Manager and PW Director, and submitted revised report.



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Philadelphia, PA 19182-7328

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

Invoice # : 642373  
Invoice Date : 06/30/2015  
Project : EGMA1504  
Project Name : Reservoir Rd PS Design &  
Permitting

---

For Services Rendered through: 6/21/2015

Phase 09 - Continued with electrical system design, and force main alignment and plan preparation; prepared Erosion & Sediment Control plans and details; prepared for and attended NPDES Construction Permit Pre-Application meeting with DEP and Chester County Conservation District (CCCD); initiated stormwater management design and calculations; updated plans to include information requested by DEP and CCCD such as riparian buffers and notes; re-ran the PNDI search as required by DEP for newly endangered bat species; submitted draft plans to Sunoco, Williams Transco, and PPL for review, and coordinated design and pipeline investigation requirements with utility companies; updated plans per new gas & electric plans from PECO; and prepared pump station controls summary narrative for discussions with West Goshen Twp.

**Phase : 09 -- Progress Design**

**Total Phase : 09 -- Progress Design**

Labor :	10,071.50
Expense :	0.00
Phase Total :	10,071.50

**Amount Due This Invoice**

---

---

**\$10,071.50**

Fee :	72,600.00
Prior Billings :	38,201.00
Current Billings :	10,071.50
Total Billings :	48,272.50

OLC RS 7-9-15

Continued on next page...

INVOICES DUE ON RECEIPT. Invoices outstanding over 30 days will have a Service Charge of 1 1/2% per month.

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...Continued from previous page

## Phase : 09 -- Progress Design

Labor			
<i>Class</i>	<i>Hours/ Units</i>	<i>Rate</i>	<i>Amount</i>
Authority Engineer	12.25	115.00	1,408.75
Project Engineer	16.25	97.00	1,576.25
Staff Engineer	8.00	90.00	720.00
Staff Engineer	0.50	90.00	45.00
Associate Engineer	25.00	85.00	2,125.00
Engineering Technician II	54.50	77.00	4,196.50
<b>Labor Total:</b>	<b>116.50</b>		<b>10,071.50</b>

## Total Phase : 09 -- Progress Design

Labor : \$10,071.50

Expense : \$0.00

## Total Project : EGMA1504 -- Reservoir Rd PS Design &amp; Permitting

Labor : \$10,071.50

Expense : \$0.00



East Goshen Municipal Authority  
EGMA1504 Invoice Summary  
Invoice Date 06/30/2015

**Project:** EGMA1504  
**Pennoni Job No.:** Reservoir Rd PS Design & Permitting  
**Invoice No:** 642373  
**Invoice Period:** 5/18/2015 to 6/21/2015  
**Initial Authorization:** \$ 103,920.00 **Date:** 6/30/2015  
**Contract Amount:** \$ 103,920.00  
**Previously Invoiced:** \$ 59,378.75  
**Current Invoice:** \$ 10,841.50  
**Invoiced to Date (\$):** \$ 70,220.25  
**Invoiced to Date (%):** 68%  
**Remaining Budget (\$):** \$ 33,699.75  
**Remaining Budget (%):** 32%

**Budget by Phase:**

Phase Name:	Progress Design	Phase 09
Phase Budget:	\$ 39,100.00	
Previously Invoiced:	\$ 16,608.50	
Current Invoice:	\$ 10,071.50	
Invoiced to Date (\$):	\$ 26,680.00	
Invoiced to Date (%):	68%	
Remaining Budget (\$):	\$ 12,420.00	
Remaining Budget (%):	32%	

**Comments:** Phase 09 - Continued with electrical system design, and force main alignment and plan preparation; prepared Erosion & Sediment Control plans and details; prepared for and attended NPDES Construction Permit Pre-Application meeting with DEP and Chester County Conservation District (CCCD); initiated stormwater management design and calculations; updated plans to include information requested by DEP and CCCD such as riparian buffers and notes; re-ran the PNDI search as required by DEP for newly endangered bat species; submitted draft plans to Sunoco, Williams Transco, and PPL for review, and coordinated design and pipeline investigation requirements with utility companies; updated plans per new gas & electric plans from PECO; and prepared pump station controls summary narrative for discussions with West Goshen Twp.



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

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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 # : 642374  
Invoice Date : 06/30/2015  
Project : EGMA1504  
Project Name : Reservoir Rd PS Design &  
Permitting

---

For Services Rendered through: 6/21/2015

Phase 03 - Performed pipeline verifications, deed research, and plotting of deeds for existing conditions plans.

**Phase : 03 -- Existing Conditions Survey**

Contract Amount	\$23,300.00	
Percent Complete	97.78%	
Contract Amount Completed		\$22,783.75
Less Previous Billed		\$(22,013.75)

**Phase Subtotal**

---

**\$770.00**

**Amount Due This Invoice**

---

---

**\$770.00**

OK RS 7-9-15

East Goshen Municipal Authority  
EGMA1504 Invoice Summary  
Invoice Date 04/29/2015

**Project:** EGMA1504  
**Pennoni Job No.:** Reservoir Rd PS Design & Permitting  
**Invoice No:** 642374  
**Invoice Period:** 4/20/2015 to 6/21/2015  
**Initial Authorization:** \$ 103,920.00 **Date:** 6/30/2015  
**Contract Amount:** \$ 103,920.00  
**Previously Invoiced:** \$ 59,378.75  
**Current Invoice:** \$ 10,841.50  
**Invoiced to Date (\$):** \$ 70,220.25  
**Invoiced to Date (%):** 68%  
**Remaining Budget (\$):** \$ 33,699.75  
**Remaining Budget (%):** 32%

**Budget by Phase:**

	Existing	
<b>Phase Name:</b>	<b>Conditions Survey</b>	<b>Phase 03</b>
<b>Phase Budget:</b>	\$ 23,300.00	
<b>Previously Invoiced:</b>	\$ 22,013.75	
<b>Current Invoice:</b>	\$ 770.00	
<b>Invoiced to Date (\$):</b>	\$ 22,783.75	
<b>Invoiced to Date (%):</b>	98%	
<b>Remaining Budget (\$):</b>	\$ 516.25	
<b>Remaining Budget (%):</b>	2%	

**Comments:** Phase 03 - Performed pipeline verifications, deed research, and plotting of deeds for existing conditions plans.



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  
07/06/2015  
Client No: 6604-001R  
Invoice No. 133458

General Authority Services

Fees

		Hours	
06/03/2015			
PMM	Email from J. Altshul regarding update to audit letter; Email to J. Altshul and Maillie Falconiero regarding same.	0.40	
06/08/2015			
JKW	Review Agenda in preparation for meeting; Attend meeting.	1.50	
	For Current Services Rendered	1.90	380.00

Recapitulation

<u>Timekeeper</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Total</u>
Jessica K. Wiesak	1.50	\$200.00	\$300.00
Patrick M. McKenna	0.40	200.00	80.00

Previous Balance \$860.00

Total Current Charges 380.00

06/15/2015	Payment	-480.00
06/15/2015	Payment	-380.00
	Total Payments	-860.00
	Balance Due	<u>\$380.00</u>

OK TJS 7-9-15

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.



Gawthrop Greenwood, PC  
Attorneys at Law

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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  
06/03/2015  
Client No: 6604-001R  
Invoice No: 132427

General Authority Services

Fees

		Hours	
05/10/2015			
JKW	Review Agenda in preparation of meeting.	0.50	
05/11/2015			
JKW	Attend Municipal Authority meeting.	1.20	
05/26/2015			
PMM	Email from R. Smith regarding northern long-eared bat and PNDI for Reservoir Road.	0.20	
	For Current Services Rendered	1.90	380.00

Recapitulation

Timekeeper	Hours	Hourly Rate	Total
Jessica K. Wiesak	1.70	\$200.00	\$340.00
Patrick M. McKenna	0.20	200.00	40.00

Previous Balance \$480.00

Total Current Charges 380.00

Balance Due \$860.00

OK RS 7-9-15

INVOICE PAID ON

6-10-15

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

---

To: Municipal Authority  
From: Jon Altshul  
Re: MA June Financial Reports  
Date: July 7, 2015

---

In June, the Municipal Authority recorded \$41,287 in revenues (two Chester Creek Tap-In fees and the DCED Act 537 grant in the amount of \$37,162) and \$21,024 in expenses (including \$9,250 for Reservoir Rd Pump Station engineering and \$8,292 for the quarterly administrative chargeback), for a positive variance of \$21,024. As of June 30<sup>th</sup>, the fund balance was \$1,539,374, of which \$1,499,162 is in the construction account. Note that I applied the grant to the construction account, not the general operating account.

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

EAST GOSHEN TOWNSHIP  
1580 PAOLI PIKE  
WEST CHESTER, PA  
Municipal Authority  
June 2015

Account Title	Acct #	Annual Budget	Month To Date Actual	Year To Date Actual
MUNICIPAL AUTHORITY BEGINNING FUND BALANCE				
1,518,349.76				
RCSTP BUDGET				
REVENUE				
INTEREST EARNED - RCSTP EXPANSION	07341 1020	1,600.00	124.75	761.34
GRANT REVENUE	07392 0800	0.00	0.00	0.00
TOTAL REVENUE		1,600.00	124.75	761.34
EXPENSES				
R.C.-CAP. PROJ.-ENGINEER	07424 7451	0.00	0.00	0.00
R.C. CAP EXPANSION GEN'L CONTRACTOR	07424 7452	0.00	0.00	0.00
R.C. CAP EXPANSION - ELECTRICAL	07424 7453	0.00	0.00	0.00
R.C. CAP EXP CONTINGENCY CAPITAL	07424 7454	0.00	0.00	0.00
R.C. CAP EXP CONTINGENCY ONGOING	07424 7455	0.00	0.00	0.00
R.C. CAP EXP ADDITIONAL CONTINGENCY	07424 7456	0.00	0.00	0.00
TRANSFER TO SEWER SINKING FUND	07492 0550	0.00	0.00	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	124.75	761.34

EAST GOSHEN TOWNSHIP  
1580 PAOLI PIKE  
WEST CHESTER, PA  
Municipal Authority  
June 2015

Account Title	Acct #	Annual Budget	Month To Date Actual	Year To Date Actual
<b>OPERATING BUDGET</b>				
REVENUE				
INTEREST EARNINGS	07341 1000	15.00	0.64	5.64
C.C. TAPPING FEES	07364 1100	0.00	4,000.00	6,000.00
R.C.TAPPING FEES	07364 1110	14,296.00	0.00	14,296.00
CONNECTION FEES - SEWER	07364 1130	0.00	0.00	1,268.64
MISCELLANEOUS REVENUE	07380 1000	0.00	0.00	423.36
TRANSFER FROM SEWER OPERATING	07392 0500	105,105.00	0.00	0.00
TOTAL REVENUE		119,416.00	4,000.64	21,993.64
EXPENSES				
ADMINISTRATIVE WAGES	07424 1400	33,323.00	8,292.10	16,584.20
MISCELLANEOUS EXPENSE	07424 3000	3,000.00	18.05	1,468.05
MUNIC.AUTH.-AUDITING	07424 3110	10,984.00	0.00	0.00
ENGINEERING SERVICES	07424 3130	37,300.00	1,843.75	29,217.00
LEGAL SERVICES	07424 3140	9,000.00	860.00	2,000.00
M.C.-DVRFA-DEBT SERVICE	07471 1000	23,240.00	0.00	0.00
M.C.-DVRFA-INTEREST PAYMNT	07472 1000	4,169.00	0.00	0.00
M.C.-DVRFA-INTEREST PAYMNT	07472 1010	0.00	0.00	0.00
TOTAL EXPENSES		121,016.00	11,013.90	49,269.25
OPERATING NET RESULT		(1,600.00)	(7,013.26)	(27,275.61)



EAST GOSHEN TOWNSHIP  
1580 PAOLI PIKE  
WEST CHESTER, PA  
Municipal Authority  
June 2015

Account Title	Acct #	Annual Budget	Month To Date Actual	Year To Date Actual
<b>CAPITAL BUDGET</b>				
REVENUE				
DCED GRANT	07354 0400	0.00	37,162.00	37,162.00
LOAN PROCEEDS-SEWER PROJECT	07393 1001	0.00	0.00	0.00
TRANSFER FROM SEWER CAP RESERVE	07392 0900	0.00	0.00	0.00
TOTAL REVENUE		0.00	37,162.00	37,162.00
EXPENSES				
MARYDELL PUMP STATION - ENGINEER	07425 1000	0.00	0.00	0.00
MARYDELL PUMP STATION -CONSTRUCTION	07425 2000	0.00	0.00	0.00
MANHOLE COVER REPLACEMENTS	07424.7405	0.00	0.00	0.00
C.C. CAPITAL - COLLECTION	07424.7420	0.00	0.00	0.00
LOCHWOOD ABANDONMENT ENGINEER	07424 7475	0.00	0.00	0.00
LOCHWOOD ABANDONMENT CONSTRUCTION	07424 7476	0.00	0.00	0.00
LOCHWOOD ELIMINATION PHASE 2	07424 7477	0.00	0.00	0.00
HERSHEY MILL STATION - ENGINEER	07426 1000	0.00	0.00	0.00
HERSHEY MILL STATION - CONSTRUCTION	07426 2000	0.00	0.00	0.00
RESERVE PUMP STATION - ENGINEER	07427 1000	0.00	0.00	0.00
RESERVE PUMP STATION - CONSTRUCTION	07427 2000	0.00	0.00	0.00
RESERVOIR PUMP STATION - ENGINEER	07428 1000	100,000.00	9,249.50	60,450.50
RESERVOIR PUMP STATION CONSTRUCTION	07428 2000	0.00	0.00	0.00
TOTAL EXPENSES		100,000.00	9,249.50	60,450.50
<b>CAPITAL NET RESULT</b>		<b>(100,000.00)</b>	<b>27,912.50</b>	<b>(23,288.50)</b>
<b>MUNICIPAL AUTHORITY ENDING FUND BALANCE</b>			<b>1,539,373.75</b>	

Report Date 07/06/15

GL Transaction Details

PAGE 1

MGRP18 run by BRIAN

10 : 16 AM

Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07341-1000		INTEREST EARNINGS			0.00				
	1501	JE 46156		1.44		02/03/15	INTEREST		INTEREST EARNED JANUARY 2015 07 FUND
	1501		0.00	1.44	-1.44				
	1502	46526		1.17		03/02/15	INTEREST		INTEREST EARNED FEBRUARY 2015 07 FUND
	1502		0.00	1.17	-2.61				
	1503	46944		1.03		04/02/15	INTEREST		INTEREST EARNED MARCH 2015 07 FUND
	1503		0.00	1.03	-3.64				
	1504	47407		0.61		05/04/15	INTEREST		INTEREST EARNED APRIL 2015 07 FUND
	1504		0.00	0.61	-4.25				
	1505	47825		0.75		06/01/15	INTEREST		INTEREST EARNED MAY 2015 07 FUND
	1505		0.00	0.75	-5.00				
	1506	48334		0.64		07/02/15	INTEREST		INTEREST EARNED JUNE 2015 07 FUND
	1506		0.00	0.64	-5.64				
07341-1000	****	*** *****	0.00	5.64	-5.64				
07341-1020		INTEREST EARNED - RCSTP EXPANSION			0.00				
	1501	46156		131.97		02/03/15	INTEREST		INTEREST EARNED JANUARY 2015 07 FUND
	1501		0.00	131.97	-131.97				
	1502	46526		119.08		03/02/15	INTEREST		INTEREST EARNED FEBRUARY 2015 07 FUND

Report Date 07/06/15

GL Transaction Details

PAGE 2

MGRP18 run by BRIAN

10 : 16 AM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
1502				0.00	119.08	-251.05				
1503		46944			131.27		04/02/15	INTEREST		INTEREST EARNED MARCH 2015 07 FUND
1503				0.00	131.27	-382.32				
1504		47407			125.90		05/04/15	INTEREST		INTEREST EARNED APRIL 2015 07 FUND
1504				0.00	125.90	-508.22				
1505		47825			128.37		06/01/15	INTEREST		INTEREST EARNED MAY 2015 07 FUND
1505				0.00	128.37	-636.59				
1506		48334			124.75		07/02/15	INTEREST		INTEREST EARNED JUNE 2015 07 FUND
1506				0.00	124.75	-761.34				
07341-1020	****	***	*****	0.00	761.34	-761.34				
07354-0400	DCED	GRANT				0.00				
	RE	48107			37,162.00		06/17/15	48107 1		GRANT - RESERVOIR RD PUMP STA
1506				0.00	37,162.00	-37,162.00				
07354-0400	****	***	*****	0.00	37,162.00	-37,162.00				
07364-1100	C.C.	TAPPING FEES				0.00				
1505		47736			2,000.00		05/27/15	47736 1		TAP IN FEE - 1334 A PARK AVE
1505				0.00	2,000.00	-2,000.00				
1506		47853			2,000.00		06/03/15	47853 1		TAP-IN FEE FOR 1414 BRAMBLE LN
		47991			2,000.00		06/10/15	47991 1		TAP IN FEE FOR 14 RESERVOIR RD

Report Date 07/06/15

GL Transaction Details

PAGE 3

MGRP18 run by BRIAN

10 : 16 AM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
1506				0.00	4,000.00	-6,000.00				
07364-1100	****	***	*****	0.00	6,000.00	-6,000.00				
07364-1110						0.00				
1504	CR		47236		7,148.00		04/21/15	1123	7875	1 SUNNY RIDGE FARMS LLC
			47278		7,148.00		04/23/15	1128	7875	1 SUNNY RIDGE FARMS LLC
1504				0.00	14,296.00	-14,296.00				
07364-1110	****	***	*****	0.00	14,296.00	-14,296.00				
07364-1130						0.00				
1501			45967		423.00		01/16/15	789	8648	1 GEORGE SMITH & CHRISTINA CONLE
	JE		45968	141.12			01/16/15	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
1501				141.12	423.00	-281.88				
1502	CR		46296		423.00		02/13/15	248	8650	1 JACOBS, ROBERT & CHERYL
			46479		423.00		02/26/15	2381	8649	1 STOFFLET, MICHAEL
	JE		46297	141.12			02/13/15	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
			46480	141.12			02/26/15	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
1502				282.24	846.00	-845.64				
1505	CR		47731		423.00		05/27/15	1124	8651	1 PAPPANO, JOSEPH & PATRICIA
1505				0.00	423.00	-1,268.64				
07364-1130	****	***	*****	423.36	1,692.00	-1,268.64				
07380-1000						0.00				
1501	JE		45968		141.12		01/16/15	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
1501				0.00	141.12	-141.12				
1502			46297		141.12		02/13/15	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT

Report Date 07/06/15

GL Transaction Details

PAGE 4

MGRP18 run by BRIAN 10 : 16 AM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07380-1000	1502	JE	46480		141.12		02/26/15	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
	1502			0.00	282.24	-423.36				
07380-1000	****	***	*****	0.00	423.36	-423.36				
07424-1400						0.00				
	1503	CD	46874	8,292.10			03/30/15	2267		425 EAST GOSHEN TOWNSHIP - GENERAL 1ST QTR.2015 REIMBURS. FR: MUN.A
	1503			8,292.10	0.00	8,292.10				
	1506		48284	8,292.10			06/30/15	2273		425 EAST GOSHEN TOWNSHIP - GENERAL 2ND QTR.2015 REIMBURSMT FR:MUN.A
	1506			8,292.10	0.00	16,584.20				
07424-1400	****	***	*****	16,584.20	0.00	16,584.20				
07424-3000						0.00				
	1501		45777	950.00			01/02/15	2260		2132 PENNSYLVANIA MUNICIPAL AUTHORITIES ASSOC 2015 ACTIVE MEMBERSHIP DUES
			46110	500.00			01/29/15	2263		2737 COMMONWEALTH OF PA ANNUAL FEE - NPDES PERMIT -CHAP.
	1501			1,450.00	0.00	1,450.00				
	1506	JE	48342	18.05			07/02/15	BANK FEE		DEPOSIT SLIP ORDER 6/6/15
	1506			18.05	0.00	1,468.05				
07424-3000	****	***	*****	1,468.05	0.00	1,468.05				
07424-3130						0.00				
	1501	CD	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
	1501			1,261.50	0.00	1,261.50				

Report Date 07/06/15

GL Transaction Details

PAGE 5

MGRP18 run by BRIAN

10 : 16 AM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07424-3130	1502	CD	46311	5,571.50			02/13/15	2264	1052	PENNONI ASSOCIATES INC. SERVICES THRU 1/18/15 2014 CHAP.
	1502			5,571.50	0.00	6,833.00				
	1503		46649	5,685.00			03/12/15	2266	1052	PENNONI ASSOCIATES INC. SERVICES THRU 2/15/15 2014 CHAP.
	1503			5,685.00	0.00	12,518.00				
	1504		47119	4,718.75			04/15/15	2269	1052	PENNONI ASSOCIATES INC. SERV. THRU 3/22/15 2015 GEN.SER
	1504			4,718.75	0.00	17,236.75				
	1505		47583	10,136.50			05/14/15	2270	1052	PENNONI ASSOCIATES INC. SERV. THRU 4/19/15 2015 GEN.SERV
	1505			10,136.50	0.00	27,373.25				
	1506		47984	1,843.75			06/10/15	2272	1052	PENNONI ASSOCIATES INC. SERVICE THRU 5/17/15 2015 GEN.SE
	1506			1,843.75	0.00	29,217.00				
07424-3130	****	***	*****	29,217.00	0.00	29,217.00				
07424-3140	LEGAL SERVICES					0.00				
	1503		46649	300.00			03/12/15	2265	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE - 1/12/15 GEN.AUT
	1503			300.00	0.00	300.00				
	1504		47119	840.00			04/15/15	2268	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE 2/6-2/9/15 GEN.AUT
	1504			840.00	0.00	1,140.00				
	1506		47984	860.00			06/10/15	2271	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERV. 4/7-4/13/15 GEN.AUT
	1506			860.00	0.00	2,000.00				

Report Date 07/06/15

GL Transaction Details

PAGE 6

MGRP18 run by BRIAN

10 : 16 AM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07424-3140	****	***	*****	2,000.00	0.00	2,000.00				
07428-1000						0.00				
	1501		45954	137.50			01/15/15	10029	1052	PENNONI ASSOCIATES INC. SERV.THURU 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
1501				990.00	0.00	990.00				
1502		46312		5,382.80			02/13/15	10031	1052	PENNONI ASSOCIATES INC. SERV.THURU 1/18/15 RESERVOIR RD.P ACT 537 PLANNING
1502				5,382.80	0.00	6,372.80				
1503		46650		10,394.70			03/12/15	10032	1052	PENNONI ASSOCIATES INC. SERV. THRU 2/15/15 RESERVOIR RD.
1503				10,394.70	0.00	16,767.50				
1504		47120		18,607.75			04/15/15	10033	1052	PENNONI ASSOCIATES INC. SERV. THRU 3/22/15 RESERVOIR RD. DESIGN & PERMITTING
1504				18,607.75	0.00	35,375.25				
1505		47584		15,825.75			05/14/15	10034	1052	PENNONI ASSOCIATES INC. SERV.THURU 4/19/15 RESERVOIR RD. DESIGN & PERMITTING
1505				15,825.75	0.00	51,201.00				
1506		47990		9,249.50			06/10/15	10035	1052	PENNONI ASSOCIATES INC. SERV.THURU 5/17/15 RESERVOIR RD
1506				9,249.50	0.00	60,450.50				
07428-1000	****	***	*****	60,450.50	0.00	60,450.50				