



## AGENDA

September 24, 2019

7:30 p.m.

LOCATION: Temporary Township Administration Office  
415 Eagleview Boulevard, Suite 116, Exton 19341

- |      |   | Packet Page # |
|------|---|---------------|
| I.   | Call to Order   |               |
| II.  | Approval of Minutes: August 27, 2019  | 2             |
| III. | Approval of Payments: September 2019  | 4             |
| IV.  | Authority Administration Reports  |               |
|      | A. Clean Water, Inc. Monthly Report   | 16            |
|      | B. ARRO Consulting Monthly Report   | 18            |
|      | C. Authority Administrator's Report   | 42            |
|      | D. Public Works Department Report   | 43            |
| V.   | Open Session  |               |
| VI.  | Next Meeting Date: October 22, 2019 ~ 7:30 p.m.   |               |
|      | Location: Temporary Township Administration Office<br>415 Eagleview Boulevard, Suite 116, Exton 19341 |               |
| VII. | Adjournment   |               |



MEETING MINUTES  
August 27, 2019  
7:30 PM  
**DRAFT**

In Attendance: D. Carlson, Chairman (by telephone), H. Harper, Vice-Chairman, B. Watts, Member, G. Matthew Brown, P.E., DEE, Authority Administrator, Brady Flaharty, P.E. and David Schlott, Jr, P.E., ARRO Consulting, Inc.

Call to Order

H. Harper called the meeting to order at 7:35 PM.

Approval of Minutes

Draft minutes of the July 23, 2019 meeting were presented. D. Carlson made a motion to approve the minutes as submitted. B. Watts seconded. It was so moved.

Approval of Payments

Following questions and a brief discussion, a motion was made by D. Carlson to approve the payments for August 2019. B. Watts seconded. It was so moved. D. Carlson moved to accept in good faith the Balance Sheet and Revenue and Expenses Reports as prepared by the Township Treasurer. B. Watts seconded the motion. It was so moved.

Executive Session re: legal matters

H. Harper called an Executive Session to discuss legal matters at 7:49 PM. The Session ended at 7:57 PM.

Following the Executive Session, D. Carlson moved to send two Township properties who have been properly notified by the Township Solicitor and to satisfy existing liens for non-payment of sewerage fees to Sheriff Sale. B. Watts seconded the motion. It was so moved.

Authority Administration Reports

M. Brown noted that all treatment facilities were operating well and within their permit requirements.

M. Brown noted discussions continue with PADEP regarding issuing the planning approval for the Byers Road main extension project. He noted the Authority is awaiting approval of a compromise with the State regarding service.

M. Brown noted that design for the Milford Farms sewer system was ongoing. He noted that the SFPM for Phase III of the Route 100 WWTF had been approved and the application for a construction permit had been submitted by the developer to the Authority for review and approval.

Following several questions and further discussion of current projects, D. Carlson moved to accept the reports of the Authority Administrator. B. Watts seconded. It was so moved.

Open Session

No further public comment was made.

**Next Meeting Date: September 24, 2019 - 7:30 PM**

H. Harper noted the date, time and location (Township temporary facilities) of the next meeting of the Authority.

Adjournment

There being no further business to be brought before the Authority, D. Carlson moved, seconded by B. Watts to adjourn the meeting at 8:30 PM.

Respectfully submitted,

G. Matthew Brown, P.E., DEE  
Authority Administrator

September 20, 2019  
11:13 AM

Upper Uwchlan Township  
check Register By check rd

Page No: 1

Range of checking Accts: MA MERIDIAN to MA MERIDIAN Range of check Ids: 1981 to 2003  
Report Type: All checks Report Format: super condensed Check Type: computer: Y Manual: Y Dir Deposit: Y

check#	check Date	vendor	Amount Paid	Reconciled/void	Ref Num
1981	09/24/19	AQUAP010 AQUA PA	1,909.95		2083
1982	09/24/19	ARROC010 ARRO CONSULTING, INC.	41,104.53		2083
1983	09/24/19	BEARBELT BEARINGS, BELTS &CHAIN, INC	804.52		2083
1984	09/24/19	BLOOMGLE BLOOMING GLEN CONTRACTORS	168,115.03		2083
1985	09/24/19	BUCKL010 BUCKLEY, BRION, MCGUIRE, MORR!	144.75		2083
1986	09/24/19	CAPITOL CAPITOL HEATING AND AIR	435.00		2083
1987	09/24/19	CHRISFRA FRANTZ, CHRISTOPHER	210.00		2083
1988	09/24/19	CLEANWAT CLEAN WATER, INC.	6,355.00		2083
1989	09/24/19	DJRCATTL DJR CATTLE COMPANY	2,362.14		2083
1990	09/24/19	EAGLHARD EAGLE HARDWARE	29.28		2083
1991	09/24/19	EASTENVI EASTERN ENVIRONMENTAL CONTRACT	9,418.41		2083
1992	09/24/19	INKS0010 INK'S DISPOSAL SERVICE, INC.	1,200.00		2083
1993	09/24/19	JCEHRLIC J. C. EHRLICH CO., INC.	6,095.00		2083
1994	09/24/19	MARSH020 MARSH CREEK SIGNS	3,106.00		2083
1995	09/24/19	MCGOV020 MCGOVERN ENVIRONMENTAL, LLC	155.26		2083
1996	09/24/19	MGL00010 MGL PRINTING SOLUTIONS	80.00		2083
1997	09/24/19	MJREIDER M. J. REIDER ASSOCIATES, INC.	1,046.50		2083
1998	09/24/19	MSSER040 M &S SERVICE COMPANY, INC.	500.00		2083
1999	09/24/19	PEC00010 PECO	17,247.18		2083
2000	09/24/19	PENNS080 PENNSYLVANIA ONE CALL	163.52		2083
2001	09/24/19	SWEETWAT SWEETWATER NATURAL PRODUCTS LL	188.50		2083
2002	09/24/19	VERIZFIO VERIZON	1,062.09		2083
2003	09/24/19	VERIZFIO VERIZON	132.40		2083

Report Totals	<u>Paid</u>	<u>void</u>	<u>Amount Paid</u>	<u>Amount void</u>
checks:	23	0	261,865.06	0.00
Direct Deposit:	0	0	0.00	-- 0.00
Total: ==23		0	261,865.06	0.00

Batch Id: LHAINES Batch Type: c Batch Date: 09/24/19 checking Account: MAMERIDIAN G/L credit: Expenditure G/L credit  
Generate Direct Deposit: N

Check No. PO#	check Date Enc Date	vendor# Item Description	Name	Payment Amt	Street 1 of Address to be printed on check charge Account Description	Account Type	status	seq	Acct
09/24/19 AQUAP010 AQUA PA					PO BOX 70279				
19-01360	09/24/19	1119	prescott drive	18.00	06-409-000-037	Expenditure	Aprv	45	1
					water				
19-01360	09/24/19	2	100 milford road	18.00	06-409-000-037	Expenditure	Aprv	46	1
					water				
19-01360	09/24/19	3	100 prescott drive	18.00	06-409-000-037	Expenditure	Aprv	47	1
					water				
19-01360	09/24/19	4	meadow creek lane	18.00	06-409-000-037	Expenditure	Aprv	48	1
					Water				
19-01360	09/24/19	5	308 flagstone road	18.00	06-409-000-037	Expenditure	Aprv	49	1
					Water				
19-01360	09/24/19	6	1 prospect hill blvd	55.00	06-409-000-037	Expenditure	Aprv	50	1
					water				
19-01360	09/24/19	7	528 walter court	23.95	06-409-000-037	Expenditure	Aprv	51	1
					water				
19-01360	09/24/19	8	325 fellowship road	1,500.00	06-409-000-037	Expenditure	Aprv	52	1
					water				
19-01360	09/24/19	9	658 collingwood terrace	63.00	06-409-000-037	Expenditure	Aprv	53	1
					water				
19-01360	09/24/19	10	241 fellowship road	18.00	06-409-000-037	Expenditure	Aprv	54	1
					water				
19-01360	09/24/19	11	29 yarmouth lane	22.00	06-409-000-037	Expenditure	Aprv	55	1
					water				
19-01360	09/24/19	12	425 hemlock lane	66.00	06-409-000-037	Expenditure	Aprv	56	1
					water				
19-01360	09/24/19	13	2680 primrose court	18.00	06-409-000-037	Expenditure	Aprv	57	1
					Water				
19-01360	09/24/19	14	381 lcr	18.00	06-409-000-037	Expenditure	Aprv	58	1
					water				
19-01360	09/24/19	15	111 dorothy lane	18.00	06-409-000-037	Expenditure	Aprv	59	1
					Water				
19-01360	09/24/19	16	1120 sunderland ave	18.00	06-409-000-037	Expenditure	Aprv	60	1
					water				
				1,909.95					
09/24/19 ARROC010 ARRO CONSULTING, INC,					108 WEST AIRPORT ROAD				
19-01339	09/24/19	1	project 17000.00 consulting	6,969.25	06-408-000-000	Expenditure	Aprv	1	1
					Engineering Fees				
19-01339	09/24/19	2	project 9310.32 wvs admin	10,375.67	06-400-000-002	Expenditure	Aprv	2	1
					Authority Administrator				
19-01339	09/24/19	3	project 10270.53 lakeridge	13,045.86	06-408-000-000	Expenditure	Aprv	3	1
					Engineering Fees				
19-01339	09/24/19	4	project 10270.57 tank rehab	413.50	06-408-000-000	Expenditure	Aprv	4	1
					Engineering Fees				
19-01339	09/24/19	5	project 10270.64 milford farms	8,099.00	06-408-000-000	Expenditure	Aprv	5	1
					Engineering Fees				
19-01339	09/24/19	6	project 10270.65 act 537	62.75	06-408-000-000	Expenditure	Aprv	6	1
					Engineering Fees				
19-01339	09/24/19	7	project 10270.68 act 537	2,138.50	06-408-000-000	Expenditure	Aprv	7	1

September 20, 2019  
11:07 AM

Upper Uwchlan Township  
check Payment Batch verification Listing

Page No: 2

check No. PO#	check Date Enc Date	vendor# Item Description	Name	Payment Amt	Street 1 of Address to be printed on check charge Account Description	Account Type	status	seq	Acct
				41,104.53	Engineering Fees				
19-01341	09/24/19	1	BEARBELT BEARINGS, BELTS & CHAIN, INC	140.03	310 NATIONAL ROAD	Expenditure	Aprv	9	1
			bushing		06-420-000-020				
					supplies				
19-01341	09/24/19	2	bushing/motor	664.49	06-420-000-020	Expenditure	Aprv	10	1
					supplies				
				804.52					
19-01346	09/24/19	1	BLOOMGLE BLOOMING GLEN CONTRACTORS	168,115.03	901 MINSI TRAIL	Expenditure	Aprv	15	1
			lakeridge - pay app #5		06-483-000-000				
					capital Repair				
				168,115.03					
19-01340	09/24/19	1	BUCKL010 BUCKLEY, BRION, MCGUIRE, MORRI	144.75	118 W. MARKET STREET	Expenditure	Aprv	8	1
			legal fees - sewer collections		06-404-000-000				
					Legal Fees				
				144.75					
19-01343	09/24/19	1	CAPITOL CAPITOL HEATING AND AIR	435.00	PO BOX 738	Expenditure	Aprv	12	1
			rt 100 service call		06-420-000-025				
					Maintenance & Repair				
				435.00					
19-01348	09/24/19	1	CHRISFRA FRANTZ, CHRISTOPHER	210.00	PO BOX 557	Expenditure	Aprv	17	1
			ma - general representation		06-404-000-000				
					Legal Fees				
				210.00					
19-01342	09/24/19	1	CLEANWAT CLEAN WATER, INC.	6,355.00	170 DALLAS STREET	Expenditure	Aprv	11	1
			wwtp monthly operation		06-420-000-045				
					contracted services				
				6,355.00					
19-01344	09/24/19	1	DJRCATTL DJR CATTLE COMPANY	2,362.14	458 MOUNT PLEASANT ROAD	Expenditure	Aprv	13	1
			seeding fields		06-420-000-032				
					vegetation Management				
				2,362.14					
19-01345	09/24/19	1	EAGLHARD EAGLE HARDWARE	29.28	06-420-000-020	Expenditure	Aprv	14	1
			wasp spray		supplies				
				29.28					
19-01347	09/24/19	1	EASTENVI EASTERN ENVIRONMENTAL CONTRACT	9,418.41	6304 5TH STREET	Expenditure	Aprv	16	1
			lakerdige - pay app #2		06-483-000-000				
					capital Repair				
				9,418.41					
19-01349	09/24/19	1	INKS0010 INK'S DISPOSAL SERVICE, INC.	1,200.00	564 NORTH MANOR ROAD	Expenditure	Aprv	18	1
			upland/darrell/eaglepointe		06-420-000-025				

Check No. PO#	check Date Enc Date	vendor# Item Description	Name	Payment Amt	street 1 of Address to be printed on check charge Account Description	Account Type	Status	seq	Acct
					Maintenance & Repair				
				1,200.00					
	09/24/19		JCEHRLIC J, C, EHRlich CO., INC.		PO BOX 13848				
19-01350	09/24/19	1	prescott@ reserve	1,250.00	06-420-000-032	Expenditure	Aprv	19	1
					vegetation Management				
19-01350	09/24/19	2	lagoon@ byers	1,610.00	06-420-000-032	Expenditure	Aprv	20	1
					vegetation Management				
19-01350	09/24/19	3	711 dorian	735.00	06-420-000-032	Expenditure	Aprv	21	1
					vegetation Management				
19-01350	09/24/19	4	275 fellowship	2,500.00	06-420-000-032	Expenditure	Aprv	22	1
					vegetation Management				
				6,095.00					
	09/24/19		MARSH020 MARSH CREEK SIGNS		P.O. BOX 371				
19-01351	09/24/19	1	ma - numbers/helmet seals	75.00	06-420-000-020	Expenditure	Aprv	23	1
					supplies				
19-01351	09/24/19	2	ma - 15 signs/logos	3,031.00	06-420-000-020	Expenditure	Aprv	24	1
					supplies				
				3,106.00					
	09/24/19		MCGOV020 MCGOVERN ENVIRONMENTAL, LLC		920 SOUTH BOLMAR STREET				
19-01355	09/24/19	1	rt 100 wwtp	77.63	06-420-000-031	Expenditure	Aprv	37	1
					Pump & Haul				
19-01355	09/24/19	2	rt 100 wwtp	77.63	06-420-000-031	Expenditure	Aprv	38	1
					Pump & Haul				
				155.26					
	09/24/19		MGL00010 MGL PRINTING SOLUTIONS		154 south street				
19-01353	09/24/19	1	ma - envelopes	80.00	06-400-000-200	Expenditure	Aprv	26	1
					Admin supplies				
				80.00					
	09/24/19		MJREIDER M. J. REIDER ASSOCIATES, INC.		107 ANGELICA STREET				
19-01354	09/24/19	1	saybrooke	42.00	06-420-000-030	Expenditure	Aprv	27	1
					Testing				
19-01354	09/24/19	2	rt 100 wwtp	108.50	06-420-000-030	Expenditure	Aprv	28	1
					Testing				
19-01354	09/24/19	3	marsh harbor	122.50	06-420-000-030	Expenditure	Aprv	29	1
					Testing				
19-01354	09/24/19	4	lakeridge	122.50	06-420-000-030	Expenditure	Aprv	30	1
					Testing				
19-01354	09/24/19	5	eaglepointe	150.50	06-420-000-030	Expenditure	Aprv	31	1
					Testing				
19-01354	09/24/19	6	saybrooke	108.50	06-420-000-030	Expenditure	Aprv	32	1
					Testing				
19-01354	09/24/19	7	st. andrews brae	150.50	06-420-000-030	Expenditure	Aprv	33	1
					Testing				
19-01354	09/24/19	8	reserve,eagle hunt,byers,ewing	56.00	06-420-000-030	Expenditure	Aprv	34	1
					Testing				
19-01354	09/24/19	9	greenridge	108.50	06-420-000-030	Expenditure	Aprv	35	1
					Testing				

September 20, 2019  
11:07 AM

upper Uwchlan Township  
check Payment Batch verification Listing

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check No. PO#	check Date Enc Date	Vendor# Name Item Description	Payment Amt	Street 1 of Address to be printed on check charge Account Description	Account Type	status	Seq	Acct
19-01354	09/24/19	10 st. andrews brae	77.00	06-420-000-030 Testing	Expenditure	Aprv	36	1
			1,046.50					
	09/24/19	MSSER040 M & S SERVICE COMPANY, INC.		1220 VALLEY FORGE ROAD #16				
19-01352	09/24/19	1 wwtp & upland farms	500.00	06-420-000-025 Maintenance & Repair	Expenditure	Aprv	25	1
			500.00					
	09/24/19	PEC00010 PECO		PO BOX 37629				
19-01361	09/24/19	1 304 fellowship road	210.42	06-409-000-036 Electric	Expenditure	Aprv	61	1
19-01361	09/24/19	2 2500 eagle farms road	874.80	06-409-000-036 Electric	Expenditure	Aprv	62	1
19-01361	09/24/19	3 seabury lane	30.46	06-409-000-036 Electric	Expenditure	Aprv	63	1
19-01361	09/24/19	4 primrose court	807.66	06-409-000-036 Electric	Expenditure	Aprv	64	1
19-01361	09/24/19	5 100a prescott drive	392.52	06-409-000-036 Electric	Expenditure	Aprv	65	1
19-01361	09/24/19	6 meadow creek lane	79.67	06-409-000-036 Electric	Expenditure	Aprv	66	1
19-01361	09/24/19	7 301 pottstown pike	376.84	06-409-000-036 Electric	Expenditure	Aprv	67	1
19-01361	09/24/19	8 kristines/milford	108.43	06-409-000-036 Electric	Expenditure	Aprv	68	1
19-01361	09/24/19	9 711 dorian road	308.68	06-409-000-036 Electric	Expenditure	Aprv	69	1
19-01361	09/24/19	10 111 dorothy lane	75.06	06-409-000-036 Electric	Expenditure	Aprv	70	1
19-01361	09/24/19	11 dorlan drive	1,284.07	06-409-000-036 Electric	Expenditure	Aprv	71	1
19-01361	09/24/19	12 381 lcr	173.47	06-409-000-036 Electric	Expenditure	Aprv	72	1
19-01361	09/24/19	13 milford road	27.99	06-409-000-036 Electric	Expenditure	Aprv	73	1
19-01361	09/24/19	14 st andrews road	34.50	06-409-000-036 Electric	Expenditure	Aprv	74	1
19-01361	09/24/19	15 park road	1,519.13	06-409-000-036 Electric	Expenditure	Aprv	75	1
19-01361	09/24/19	16 55 pottstown pike	664.53	06-409-000-036 Electric	Expenditure	Aprv	76	1
19-01361	09/24/19	17 yarmouth lane	289.69	06-409-000-036 Electric	Expenditure	Aprv	77	1
19-01361	09/24/19	18 sunderland ave	1,639.36	06-409-000-036 Electric	Expenditure	Aprv	78	1
19-01361	09/24/19	19 kiloran wynd	180.81	06-409-000-036 Electric	Expenditure	Aprv	79	1
19-01361	09/24/19	20 flagstone road	703.83	06-409-000-036 Electric	Expenditure	Aprv	80	1
19-01361	09/24/19	21 yarmouth lane	35.85	06-409-000-036 Electric	Expenditure	Aprv	81	1



September 20, 2019  
11:07 AM

upper Uwchlan Township  
check Payment Batch verification Listing

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check No. PO#	check Date Enc Date	vendor# Item Description	Name	Payment Amt	street 1 of Address to be printed on check charge Account Description	Account Type	Status	Seq	Acct
19-01361	09/24/19	22	140 pottstown pike	335.47	06-409-000-036 Electric	Expenditure	Aprv	82	1
19-01361	09/24/19	23	275 fellowship road	6,098.31	06-409-000-036 Electric	Expenditure	Aprv	83	1
19-01361	09/24/19	24	heron hill drive	123.74	06-409-000-036 Electric	Expenditure	Aprv	84	1
19-01361	09/24/19	25	indian springs drive	66.08	06-409-000-036 Electric	Expenditure	Aprv	85	1
19-01361	09/24/19	26	yarmouth lane	66.21	06-409-000-036 Electric	Expenditure	Aprv	86	1
19-01361	09/24/19	27	cassandra lane	77.59	06-409-000-036 Electric	Expenditure	Aprv	87	1
19-01361	09/24/19	28	fellowship road	662.01	06-409-000-036 Electric	Expenditure	Aprv	88	1
				17,247.18					
09/24/19 PENNS080 PENNSYLVANIA ONE CALL					P.O. BOX 640407				
19-01356	09/24/19	1	pa one call - monthly activity	163.52	06-420-000-329 PA one call	Expenditure	Aprv	39	1
				163.52					
09/24/19 SWEELWAT SWEETWATER NATURAL PRODUCTS LL					976 POTTSTOWN PIKE				
19-01357	09/24/19	1	ma - river rock; meadowcreek	30.50	06-420-000-020 supplies	Expenditure	Aprv	40	1
19-01357	09/24/19	2	ma - clean ton	36.00	06-420-000-020 supplies	Expenditure	Aprv	41	1
19-01357	09/24/19	3	ma - river rock; meadowcreek	122.00	06-420-000-020 supplies	Expenditure	Aprv	42	1
				188.50					
09/24/19 VERIZFIO VERIZON					PO BOX 15124				
19-01358	09/24/19	1	september telephone	1,062.09	06-409-000-032 Telephone	Expenditure	Aprv	43	1
				1,062.09					
09/24/19 VERIZFIO VERIZON					PO BOX 15124				
19-01359	09/24/19	1	internet	132.40	06-409-000-032 Telephone	Expenditure	Aprv	44	1
				132.40					

checks:	<u>count</u> 23	<u>Line Items</u> 88	<u>Amount</u> 261,865.06
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There are NO errors or warnings in this listing.

**Upper Uwchlan Township Municipal Authority**

**Balance Sheet  
As of August 31, 2019**

**ASSETS**

<u>Cash</u>		
06-100-000-010	General Checking - Fulton Bank	\$ 106,420.05
06-100-000-015	General Checking - Meridian Bank	155,098.55
06-100-000-020	General Checking - WIPP	603,628.65
06-106-000-002	Tap-in Fee Account	345,904.98
06-110-000-100	Fulton Bank Bond Proceeds - ICS	-
06-110-000-200	Fulton Bank Bond Proceeds - MMDA	5,275,263.56
	<b>Total Cash</b>	<b>6,486,315.79</b>
<u>PSDLAF Investments:</u>		
06-109-000-003	CD Program	-
06-109-000-004	Full Flex	183.84
	<b>Total Investments</b>	<b>183.84</b>
<u>Accounts Receivable</u>		
06-145-000-001	Usage Fees Receivable	280,273.23
06-145-000-002	Capital Assessment Receivable	-
06-147-000-000	Misc Accounts Receivable	546.00
	<b>Total Accounts Receivable</b>	<b>280,819.23</b>
<u>Other Current Assets</u>		
06-130-000-001	Due from MA Capital Fund	-
06-130-000-002	Due from UUT General Fund	694.80
06-130-000-003	Due from UUT Capital Fund	-
06-130-000-004	Due from Solid Waste Fund	3,008.08
06-130-000-005	Due from Stormwater Fund	-
06-130-000-006	Due from Sewer Fund	-
06-152-000-000	Undeposited Funds	-
06-155-000-000	Pre-Paid Expenses	-
06-155-000-010	Pre-Paid Attorney Fees	-
	<b>Total Other Current Assets</b>	<b>3,702.88</b>
<u>Fixed Assets</u>		
06-162-000-001	Fixed Assets	1,537,175.65
06-162-000-050	Accumulated Depreciation	(402,814.94)
06-163-000-100	Phase II Construction Project (CIP)	234,000.00
	<b>Total Fixed Assets</b>	<b>1,368,360.71</b>
<u>Other Long Term Assets</u>		
06-162-000-002	Excess Treatment Capacity	1,649,293.24
	<b>Total Other Long Term Assets</b>	<b>1,649,293.24</b>
<b>Total Assets</b>		<b>\$ 9,788,675.69</b>

**Upper Uwchlan Township Municipal Authority**  
**Balance Sheet**  
**As of August 31, 2019**

**LIABILITIES AND FUND BALANCE**

		<u>Current Liabilities</u>	
06-200-000-020	Accounts Payable	-	
06-230-000-010	Due to UUT General Fund	44,205.00	
06-230-000-020	Due to UUT Capital Fund	-	
06-230-000-021	Due to MA Capital Fund	-	
06-230-000-030	Due to Solid Waste Fund	12,399.41	
06-230-000-040	Due to Water Resource Protection Fund	-	
06-230-000-050	Due to Sewer Fund	-	
06-230-000-060	Due to Developer's Escrow Fund	-	
06-240-000-000	Accrued Expenses	41,140.53	
06-241-000-100	Retainage on Phase II Construction Project	-	
06-245-000-000	Due to Customers	275.00	
06-258-000-100	Interest Payable - 2019 Bonds	52,515.26	
		<hr/>	
		<b>Total Current Liabilities</b>	<b>150,535.20</b>
		<u>E.Q.IIBY</u>	
06-272-000-001	Opening Bal Equity	753,500.35	
06-272-000-002	Retained Earnings	3,604,237.58	
	Current Period Net Income (Loss)	5,280,402.56	
		<hr/>	
		<b>Total Equity</b>	<b>9,638,140.49</b>
		Total Fund Balance	9,638,140.49
		<hr/>	
		<b>Total Liabilities &amp; Fund Balance</b>	<b>\$ 9,788,675.69</b>

**Upper Uwchlan Township Municipal Authority  
Statement of Revenues and Expenditures**

**For the Period Ended August 31, 2019**

	<b>Actual 2019VTD</b>	<b>Budget 2019</b>	<b>%of Budget</b>	<b>Actual 2018 <i>(Audited)</i></b>	<b>Budget 2018</b>
<b>REVENUES</b>					
06-340-000-000 Interest Income	86,790.99	15,000.00	578.6%	17,267.00	7,300.00
06-365-000-000 Usage Fees Residential	1,539,297.66	2,139,571.00	71.9%	2,140,967.00	2,027,640.00
06-365-000-001 Usage Fees Commercial	85,008.30	100,000.00	85.0%	91,041.00	101,014.00
06-365-000-010 Tapping Fees	25,875.00	2,543,000.00	1.0%	31,256.00	2,176,350.00
06-370-000-000 Misc revenue	-	1,000.00	0.0%	-	1,000.00
06-393-000-100 Proceeds from Long Tern Debt	5,205,556.07	5,393,221.00	96.5%	-	-
06-395-000-000 Refund of Prior Year Expenditures	-	-	#DIV/0!	-	-
06-395-000-100 Transfer from Sewer Fund	-	-	#DIV/0!	-	-
<b>TOTAL REVENUES</b>	<b>\$ 6,942,528.02</b>	<b>\$ 10,191,792.00</b>	<b>68.1%</b>	<b>\$ 2,280,531.00</b>	<b>\$ 4,313,304.00</b>
<b>EXPENDITURES</b>					
<u>General:</u>					
06-400-000-001 Administration	174,710.39	241,246.00	72.4%	211,283.00	234,219.00
06-400-000-002 Authority Administrator	86,336.32	120,000.00	71.9%	121,855.00	120,000.00
06-400-000-003 Professional Fees	-	12,000.00	0.0%	7,533.00	12,000.00
06-400-000-200 Admin Supplies	69.68	1,000.00	7.0%	-	1,000.00
06-400-000-341 Advertising	68.49	5,000.00	1.4%	3,408.00	1,000.00
06-400-000-352 Insurance - Liability	3,575.25	5,545.00	64.5%	4,661.00	2,337.00
06-400-000-355 Bank Fees	71.00	650.00	10.9%	205.00	650.00
06-402-000-450 Audit Fees	5,550.00	5,450.00	101.8%	5,300.00	5,200.00
06-404-000-000 Legal Fees	6,773.67	20,800.00	32.6%	15,202.00	20,800.00
06-406-000-100 Utility Billing Costs	8,111.70	10,000.00	0.0%	8,079.00	18,000.00
06-408-000-000 Engineering Fees	299,207.47	150,000.00	199.5%	127,632.00	150,000.00
06-408-000-100 Reimbursable Engineering Fees	-	-	#DIV/0!	-	-
	584,473.97	571,691.00	102.2%	505,158.00	565,206.00
<u>Building Expenses:</u>					
06-409-000-031 Lawn Care	-	5,000.00	0.0%	1,194.00	7,500.00
06-409-000-032 Telephone	9,599.39	15,000.00	64.0%	14,923.00	15,000.00
06-409-000-035 Insurance	7,150.50	8,756.00	81.7%	6,974.00	9,297.00
06-409-000-036 Electric	160,854.27	250,000.00	64.3%	250,538.00	250,000.00
06-409-000-037 Water	11,667.98	25,000.00	46.7%	11,628.00	25,000.00
06-409-000-052 Bldg Maint & Repair	-	10,000.00	0.0%	1,514.00	8,000.00
06-409-000-260 Building Supplies & Small Tools	16,010.63	5,000.00	320.2%	259.00	15,000.00
06-409-000-427 Waste Disposal	250.00	-	#DIV/0!	-	-
	205,532.77	318,756.00	64.5%	287,030.00	329,797.00
<u>Operations:</u>					
06-420-000-020 Supplies	32,029.59	20,000.00	160.1%	19,287.00	20,000.00
06-420-000-022 Chemicals	4,868.20	15,000.00	32.5%	10,680.00	15,450.00
06-420-000-023 Propane and Fuel Oil	851.42	5,000.00	17.0%	4,649.00	2,575.00
06-420-000-025 Maintenance & Repair	65,546.52	120,000.00	54.6%	98,619.00	120,000.00
06-420-000-030 Testing	24,119.99	40,000.00	60.3%	42,973.00	40,000.00
06-420-000-031 Pump & Haul	39,674.68	50,000.00	79.3%	50,600.00	50,000.00
06-420-000-032 Vegetation Management	9,148.47	20,000.00	45.7%	10,228.00	20,000.00
06-420-000-035 Permits	2,366.00	5,000.00	47.3%	3,768.00	5,000.00
06-420-000-042 Dues and Memberships	10.00	2,500.00	0.4%	2,100.00	2,500.00
06-420-000-045 Contracted Services	110,548.12	135,000.00	81.9%	142,952.00	135,000.00
06-420-000-048 Misc expenses	967.90	10,000.00	9.7%	27,070.00	5,000.00
06-420-000-235 Vehicle Maintenance	38.94	2,000.00	1.9%	3,910.00	2,000.00
06-420-000-329 PA One Call	744.67	2,500.00	29.8%	1,541.00	2,500.00
	290,914.50	427,000.00	68.1%	418,377.00	420,025.00

**Upper Uwchlan Township Municipal Authority  
Statement of Revenues and Expenditures**

**For the Period Ended August 31, 2019**  
(Continued)

		<b>Actual 2019YTD</b>	<b>Budget 2019</b>	<b>%of Budget</b>	<b>Actual 2018 (unaudited)</b>	<b>Budget 2018</b>
	<u>Capital:</u>					
06-472-000-100	Bond Interest Expense - 2019 bonds	133,782.64	190,681.00	70.2%	-	-
06-483-000-000	Capital Repair	355,490.83	50,000.00	711.0%	-	30,000.00
06-483-000-100	Capital Construction	-	1,500,000.00	0.0%	-	-
06-493-000-083	Depreciation	-	50,000.00	0.0%	87,514.00	36,000.00
		<u>489,273.47</u>	<u>1,790,681.00</u>	<u>27.3%</u>	<u>87,514.00</u>	<u>66,000.00</u>
<b>Total Expenditures before Operations Agreement and Tran:</b>		<b>\$ 1,570,194.71</b>	<b>\$ 3,108,128.00</b>	<b>50.5%</b>	<b>\$ 1,298,079.00</b>	<b>\$ 1,381,028.00</b>
<b>Net Income before Operations Agreement and Transfers</b>		<b>\$ 5,372,333.31</b>	<b>\$ 7,083,664.00</b>	<b>75.8%</b>	<b>982,452.00</b>	<b>2,932,276.00</b>
	<u>other:</u>					
06-471-000-010	Operations Agreement Fee to UUT (2014)	91,930.75	369,213.00	24.9%	364,339.00	364,463.00
		<u>91,930.75</u>	<u>369,213.00</u>	<u>24.9%</u>	<u>364,339.00</u>	<u>414,463.00</u>
06-492-000-010	Transfer to Sewer Fund	-	-	IIDIV/01	-	-
06-492-000-020	Transfer to Water Resource Protection FI	-	-	IIDIV/01	-	-
06-492-000-030	Transfer to UUT Capital Fund	-	-	IIDIV/01	-	-
		<u>-</u>	<u>-</u>	<u>IIDIV/01</u>	<u>-</u>	<u>-</u>
<b>TOTAL EXPENDITURES</b>		<b>\$ 1,662,125.46</b>	<b>\$ 3,477,341.00</b>	<b>47.8%</b>	<b>\$ 1,662,418.00</b>	<b>\$ 1,795,491.00</b>
<b>OPERATING INCOME</b>		<b>\$ 5,280,402.56</b>	<b>\$ 6,714,451.00</b>	<b>78.6%</b>	<b>\$ 618,113.00</b>	<b>\$ 2,517,813.00</b>

Upper Uwchlan Township Municipal Authority  
Sewer Billings

*Month to Month Change in Delinquent Accounts*

(accounts that have had a balance in excess of \$380 for 2 or more quarters)

	8/31/2019	12/31/2018	2/28/2019	3/31/2019	4/30/2019	5/31/2019	6/30/2019	7/31/2019	8/31/2019
Number of delinquent accounts	176	148	166	133	110	176	151	131	207
Total delinquent balance	212,611	206,093	214,399	186,466	173,778	221,151	211,591	196,678	224,917

2019 Payment Schedule

	<u>Bills Mailed</u>	<u>Bills Mailed</u>	<u>Payment Due</u>
First quarter	1/31/2018	1/31/2019	2/28/2019
Second quarter	4/30/2018	4/30/2019	5/31/2019
Third quarter	7/31/2018	7/31/2019	8/31/2019
Fourth quarter	10/31/2018	10/31/2019	11/30/2019

**Upper Uwchlan Township Municipal Authority**  
**Sewer Billings**

*Month to Month Change in Receivables and Collections*

	<b>August 2019</b>	<b>July 2019</b>	<b>Change</b>
Beginning Receivable Balance	265,481.68	265,481.68	-
<u>Billings:</u>			
Calculated charges billed	1,661,304.18	1,661,304.18	-
Billing adjustments	11,551.96	9,620.15	(1,931.81)
Late payment penalty	50,409.15	53,776.50	3,367.35
Adjustments	{1,485.05}	{1,197.25}	287.80
	<u>1,987,261.92</u>	<u>1,988,985.26</u>	<u>1,723.34</u>
<u>Less:</u>			
<b>Collections*</b>	<b>1,637,847.88</b>	<b>1,221,348.79</b>	<b>(416,499.09)</b>
 <b>Receivable balance, month end</b>	 <b><u>349,414.04</u></b>	 <b><u>767,636.47</u></b>	 <b><u>418,222.43</u></b>

This report includes all sewer billings, not just delinquent accounts.

# Clean Water, Inc.

170 Dallas St.  
Box 475  
Atglen, Pa. 19309

Phone 610-593-5710  
Fax 610-593-6311

September 17, 2019

Upper Uwchlan Township Municipal Authority  
140 Pottstown Pike  
Chester Springs, PA 19425

RE: Report for the September meeting.

Dear Authority,

Enclosed you will find copies of the monthly reports that were submitted to the DEP on your behalf. The reports are for July. Information items are current.

## **Route 100**

We continue to "make hay" during the recent spell of dry weather. Rates are lowering lagoons. The lagoon at Ewing West Vincent is nearing low levels. We continue to transfer water from the RT 100 lagoon. This lagoon is about ¼ full at the moment. M and S will be out soon to replace the packing on the two effluent dosing pumps at the RT 100 plant. Predoc will be out to pull an influent pump at the Reserve 1 pumping station. It seems like it is partially clogged. The fields at Ewing West Vincent will be cut again shortly. McGovern's hauled sludge totaling near 50,000 removed. Jay Jackson did a great job on the Waynebrook mw 5 report DEP required regarding high nitrate levels in this upgradient well.

## **Eaglepoint**

Plant is running well. Recently we have not had any real issues with clothing etc, being dumped into system. I understand WAWA is looking into a system to address the concerns.

## **St. Andrews Brae**

Plant is running fine. We raked a sand filter and switched to the second one. There will be a chemical delivery by Univar shortly.

## **Marsh Harbour**

Plant continues to run fine. The farmer has moved his tractor over to cut the field. The drive way has been paved and looks great! Thanks.

*Clean Water, Inc. Wastewater Treatment Specialists*



### **Saybrooke**

Plant is running fine. One of the pumps at the pump station I station failed. It was pulled and sent to Deckmans for evaluation. Brian Owens added stone to the yard, it looks great.

### **Lakeridge**

Plant is running well. The isolation valve mentioned last month, was able to be returned to effective use. It may have been hung up on something, who knows, It was able to fully close which is good news. Work continues on the sludge tank project.

### **Greenridge**

The field has been cut and harvested, bales removed completing the 2<sup>nd</sup> cut of the season. Drip has been turned on.

The new signs Brian Owens is installing for the facilities look terrific.

That is all for now, please call if you have any questions..

Respectfully,



Brian Norris



350 West Main Street  
Suite 200  
Trappe, PA 19426  
T 610.495.0303  
F 610.495.5855

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## MEMORANDUM

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TO: Upper Uwchlan Township Municipal Authority

FROM: G. Matthew Brown, P.E., DEE

RE: Project Status Report

PROJECT NO.: 17000.00

DATE: September 18, 2019

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The following is the status of current wastewater projects within the Township:

### Byers Station

**Village at Byers Station (5C), Lot #1 Townhouse Parcel:** The Village at Byers Station (Parcel 5C) pre-construction meeting was held on October 18, 2017. Construction is expected to start within three weeks. The Village at Byers Station (Parcel 5C) site contractor, by email dated November 14, 2017, started submitting its sanitary sewer shop drawing submittals. ARRO reviewed and commented on the submittals. Brubacher Excavating started sanitary sewer installation work on January 4, 2018. The Village of Byers Station (5C) sanitary sewer installation work continues through February 2018, approximately 40% of the sewer mains and laterals have been installed. Sanitary sewer installation work continues through March 2018. As of mid-April 2018 all sanitary sewer mains and laterals have been installed and air tested, while 75 percent of the sewer mains have also passed deflection testing. As of mid-May 2018 all sanitary sewer mains have passed pressure and deflection testing and only manhole vacuum testing remains to be done after base paving is completed. Vacuum testing of each sanitary sewer manhole on the site was completed on July 11, 2018. ARRO approved escrow release No. 1 in the amount of \$302,330.01 by letter dated September 6, 2018. Installation of the gravity house service line to each new townhouse began on September 13, 2018. ARRO reviewed the sanitary sewer videos submitted by Toll Brothers on October 19, 2018. The pipe is in good condition with only minor debris in a few runs that need to be flushed and cleaned. ARRO emailed Toll Brothers on November 2, 2018 with a list of the runs that needed cleaned.

Installation of the gravity house service line to each new townhouse is continuing.

**Village at Byers Station (5C), Lot #2 Commercial Parcel:** ARRO reviewed the Village of Byers Station (5C) – Lot #2 Commercial Parcel's Sewage Facilities Planning Module (SFPD) package. The Developer's engineer submitted a 9,025 gpd sanitary sewer capacity request at the Route 100 WWTP facility. ARRO reviewed the Amended Final PRD Plans submitted by Bohler Engineering and prepared a February 27, 2018 letter to the Township with comments to the Plans. Sewage Facilities Planning Modules were sent to PADEP on April 18, 2018. ARRO reviewed Amended Final PRD Plans, last revised May 7, 2018, and submitted a May 30, 2018 letter to the Township containing comments to the Plans. Additional revised Plans were submitted on July 12, 2018 and are currently under review. The PADEP SFPD approval letter, dated June 27, 2018, was received by the Township. Vacuum testing of each

sanitary sewer manhole on the site was completed on July 11, 2018. By email dated July 4, 2018, ARRO requested of Toll Brothers that they submit an agreement document between Toll and BPG Partners, Ltd. stipulating that after BPG has the binder course paving completed each manhole will again be vacuum tested and BPG will repair any manhole that fails its vacuum re-test. ARRO submitted a July 19, 2018 sanitary sewer comments letter to the Township regarding the additional revised Plans submitted by Bohler Engineering on July 12, 2018. Toll Brothers submitted a July 30, 2018 letter acknowledging it will be responsible to ensure that the sanitary manholes in 5C Commercial will be tested after construction of the commercial portion of the subdivision. Toll requests the Authority require the testing to be a component of the financial security agreement as it relates to the commercial site work. ARRO prepared an August 31, 2018 letter to the Township with comments to the latest Final PRD Plans, last revised August 30, 2018. Eight buildings with various uses are proposed with a sewer capacity of 9,025 gallons per day. On March 18, 2019, ARRO received the draft of a revised land development drawing from Bohler Engineering presenting a new layout arrangement consisting of 67 townhome units, a coffee shop, retail store and a daycare center, and also a revised sanitary sewer capacity request of 15,195 gpd. On July 9, 2019, ARRO received from Bohler Engineering Revision 1 to the Lot #2 land development drawings. The drawings now show 55 townhome units, a 1-½ story retail building and a 2-story mixed-use commercial building. There is a revised sanitary sewer capacity request of 12,872 gpd. ARRO is reviewing the sanitary sewer portion of the drawings. ARRO prepared a July 24, 2019 comments letter to the Revision 1 land development drawings. On August 20, 2019, ARRO received revised Bohler Engineering Lot #2 land development drawings, Revision 2, dated August 16, 2019. ARRO is reviewing the sanitary sewer portion of the drawings

ARRO prepared a September 3, 2019 comments letter to the sanitary sewer portion of Bohler Engineering Lot #2 land development drawings, Revision 2, dated August 16, 2019.

**Byers Station (6C), Vantage Point–Chester Springs:** The Developer's engineer submitted a request for 43 EDUs (9,500 gpd) of sanitary sewer capacity at the Route 100 WWTP facility. The Authority Administrator sent a February 20, 2018 letter to D. L. Howell stating there is sufficient capacity at the Route 100 WWTP facility for the proposed 9500 gpd from the project. ARRO reviewed the project's Sewage Facilities Planning Module (SFPM). The module shows a request for 45 EDUs (10,000 gpd) of sanitary sewer capacity. SFPM Component 3 Section G and J were signed. The Pennsylvania Historical and Museum Commission clearance letter and Aqua water service letter have been received for the Sewage Facilities Planning Module (SFPM). On April 18, 2018, the Township forwarded SFPM Components 4B and 4C to the Chester County Planning Commission and Health Department. ARRO reviewed Land Development Plans, plotted April 6, 2018, and submitted an April 30, 2018 letter to the Township containing comments to the Plans. The SFPM is complete and a resolution to accept the document was placed on the Board of Supervisors' August 20, 2018 agenda. The SFPM application package was submitted to PADEP. ARRO prepared a September 6, 2018 sanitary sewer review letter to the latest Land Development Plans submitted by D.L. Howell, last revised August 13, 2018. ARRO received on December 5, 2018 the latest Land Development Plans, last revised November 30. ARRO will submit a sanitary sewer review letter the week of December 10. ARRO prepared and sent to the Township a December 14, 2018 sanitary sewer review letter to the December 5, 2018 Land Development Plans. ARRO received and reviewed the sanitary sewer portion of land development plans Revision No. 3, dated June 21, 2019. The plans show a dedicated sanitary sewer manhole in Byers Road to be installed when the Byers Road sewer extension project is constructed. ARRO prepared and sent a July 5, 2019 review comments letter to the Township. PADEP issued a July 23, 2019 with three (3) items missing from the submitted SFPM.

The Authority sent PADEP an August 23, 2019 letter in response to PADEP's July 23, 2019 letter containing three comments to the project's SFPM.

**Eagle Hunt**

ARRO has started preparing contract documents for recommended repairs to the Eagle Hunt effluent storage tank as contained in the August 2016 tank inspection report. ARRO conducted a site visit with Dutchland to review and discuss proposed tank repairs. ARRO is in the process of generating contract drawings and specifications for the proposed tank repairs. ARRO is completing Effluent Storage Tank Repair bid documents for bidding by the end of October 2018. ARRO completed the Effluent Storage Tank Repair bid documents. The project will be put out to bid the week of November 26, 2018. ARRO placed the Effluent Storage Tank Repair project on PennBid on December 7, 2018. Bids are due January 10, 2019. Effluent Storage Tank Repair project bids were received on January 10, 2019. ARRO made a recommendation to the Authority to award the contract to Quinn Construction. On March 5, 2019 ARRO sent a Notice of Intent to Award to Quinn Construction and now is waiting for the return of contract documents from Quinn. On March 5, 2019 ARRO sent a Notice of Intent to Award to Quinn Construction and now is waiting for the return of contract documents from Quinn. Effluent Storage Tank Repair contract documents were received from Quinn Construction. The project pre-construction meeting was held on April 17, 2019. Approximately fifty percent of the work at the Eagle Hunt tank is complete as of May 22, 2019. Effluent storage tank repairs are complete. The Contractor is preparing record as-built drawings for the project. ARRO prepared Change Order No. 1 reconciling the final cost of the Effluent Storage Tank Rehabilitation project to \$161,170.50. The Effluent Storage Tank Repair project is complete and ARRO's recommendation to pay the final application for payment has been sent for the Authority's consideration at the August 2019 meeting.

Nothing new to report.

**Eaglepointe****Wastewater Treatment Plant and Sanitary Sewer System:**

ARRO is working on a plan for the decommissioning of the Eaglepointe WWTP.

ARRO is reviewing a request for additional wastewater disposal to the Eaglepointe WWTP from a current tenant (Hohmann & Barnard, Inc.) in the J. Loew building onsite. The Authority Administrator approved the J. Loew tenant's request for additional wastewater disposal. ARRO sent Hohmann & Barnard a copy of the Regulations for the Discharge of Non-Residential Waste (NRW) resolution along with a copy of the Non-Residential Waste Discharge permit application for the additional disposal. Hohmann & Barnard, Inc. submitted its NRW permit application. ARRO is preparing the NRW permit for Hohmann & Barnard. ARRO prepared the Hohmann & Barnard NRW permit and sent it to H&B on May 22, 2019.

ARRO and UUT Public Works are working together to locate the source of rag-dumping into the Eaglepointe sanitary sewer system that are clogging the WWTP's influent pumps. On June 27, 2019 UUT Public Works found rags in an Eaglepointe sanitary sewer system manhole only Wawa uses. ARRO discussed the rag issue with the Wawa store manager. ARRO also sent correspondence to the Wawa corporate office and has received written and verbal responses from Wawa that they are endeavoring to correct the issue at their store. On August 20, 2019 ARRO received an email from Wawa that they have retained an outside engineer to design an in-line tank to catch rags and articles of clothing that have been found in the WWTP's influent pump station. On August 20, 2019 ARRO received an email from Wawa that they have retained an outside engineer to design an in-line tank to catch rags and articles of clothing that have been found in the WWTP's influent pump station.

On August 27, 2019 ARRO received an email from Wawa stating they have retained Keystone Engineering to design an in-line tank to catch rags and articles of clothing before they get into the Eaglepointe sanitary sewer system. ARRO is awaiting drawings for review.

**CarSense:** Onsite sanitary sewer installation is complete and tested. Wastewater flow from CarSense to the Eaglepointe WWTP started June 1, 2018. Clean Water had a July 25, 2018 sample of CarSense effluent analyzed. Some individual chemistry substances exceeded the Non-Residential Waste Resolution limits. The Authority Administrator, Clean Water and ARRO met with CarSense on August 28, 2018 to discuss ways to lower the substances exceedances.

Nothing new to report.

**Liberty Union Bar & Grille:** Liberty Union effluent was tested and BOD, fat & oil and nitrogen results were found to be higher than the Non-Residential Waste Discharge (NRWD) resolution limits. A November 13, 2017 letter was sent to Liberty Union advising them of their discharge overages and the need to meet with the Authority Administrator, Clean Water and ARRO to discuss how Liberty Union could lower the three elevated discharges. The meeting will take place on November 30, 2017. The Authority Administrator, Clean Water and ARRO met with Liberty Union on November 30, 2017 to discuss how to lower the three elevated discharges. Liberty Union stated they will institute existing grease trap cleaning reforms and update their dish cleaning policy. Clean Water will take additional samples periodically to check the reforms. Clean Water conducted a grab sampling of Liberty Union discharges on January 31, 2018. Sampling test results for Phosphorus, BOD and Oil/Grease continue to be above the Authority's NRWD resolution limits. ARRO had a telephone discussion with Liberty Union on February 23, 2018 about high sampling results. Liberty Union requested a third sampling as a composite sample like the first sampling. The Authority Administrator authorized Clean Water to set up the new composite sampling, which was done over February 19 and 20. A lab error occurred with the sample collected on March 29, 2018. The lab scheduled another sampler collection for April 5 into April 6, 2018. ARRO has not received the latest sampling test results. ARRO transmitted the April 6, 2018 test results to Liberty Union. ARRO is preparing comments to Liberty Union questions on the test results. ARRO prepared comments to Liberty Union questions on the test results. Ten random grab samples for analysis will be taken from the Liberty Union pump station wetwell. Two grab samples have been analyzed and BOD exceeds 1000 mg/L in both samples. The results of two grab samples (collected September 25 and 27) were received and the BOD is below 500 mg/L in both. The results of seven grab samples collected between September 5 and October 10, 2018 all had BOD above the NRWD maximum 250 mg/L threshold, the highest result was 1,700 mg/L.

ARRO is in the process of updating the Non-Residential Waste Discharge resolution.

**Dilibero - Go-Wireless, Eagle Car Wash and Enterprise Rent-A-Car Sanitary Sewer Connection:** ARRO is conducting an evaluation of the wastewater treatment capacity and feasibility for connecting these three businesses to the Eaglepointe WWTP sanitary sewer system. ARRO completed the evaluation, including a piping layout and cost estimate, and it is now under internal review. On April 20, 2018 ARRO transmitted its sanitary sewer evaluation to Dilibero. ARRO has been responding to sanitary sewer related questions from Dilibero's sewer contractor. On March 7, 2019 ARRO transmitted the Authority's Eaglepointe sanitary sewer and easement drawings to Dilibero's engineer for use in preparing their sanitary sewer extension plans.

Nothing new to report.

**Eagle Retail Associates – Starbucks:** ARRO is reviewing the sanitary sewer portion of a conditional use plan for a Starbucks with drive-through to occupy the former Key Bank Building at the Eaglepointe Shopping Center. ARRO reviewed the sanitary sewer portion of the conditional use application and submitted a May 28, 2019 letter to UUT with comments to



the plan. ARRO recommended water consumption records be submitted from a similarly-sized facility to determine the necessary wastewater capacity.

Nothing new to report.

### **Ewing Tract**

Toll Brothers and Lennar started installing house service lines to new homes in Ewing Tract – West Vincent Township February 2016. ARRO is observing installation and testing of the house service lines. All sanitary sewer house service lines at Toll Brothers' Ewing Tract - West Vincent Carriage Home South subdivision are complete and tested as of June 22, 2017. Toll Brothers and Lennar are continuing to install house service lines to new homes in Ewing Tract – West Vincent Township with ARRO observing the completed installations and the testing of the house service lines. ARRO testing reports are being sent to West Vincent Township's engineer, Cedarville Engineering Group, LLC. On December 18, 2018, Toll Brothers and Lennar completed the installation of the final house service line to new homes in Ewing Tract – West Vincent Township.

Toll Brothers started construction of the Sunderland Avenue East roadway connecting Eagle Farms Road to Rainer Road in Ewing Tract – West Vincent. On November 8, 2018 ARRO made a request to Toll Brothers to install the 3" PVC Spray Distribution force main beneath the roadway as shown on the original land development plans.

On November 13, 2018 Toll Brothers submitted the Maintenance Security Agreement and Maintenance Bond for Ewing Tract – West Vincent Phase 2A Sanitary Sewer Improvements. ARRO reviewed the documents and sent comments to Toll Brothers on November 14, 2018. ARRO reviewed and commented on both the December 3, 2018 update of the Maintenance Security Agreement and reviewed and Eagle Farms Road as-built plans received from Toll Brothers for Ewing Tract – West Vincent Phase 2A. The comments revisions were made and ARRO has approved both documents.

ARRO received from Toll Brothers, on December 5, 2018, Phase 2 Ewing Tract – West Vincent documents concerning (1) Maintenance Service Agreement for Carriage Home South, (2) Grant of Sanitary Sewer Easements and Dedication of Facilities for Butternut Lane and Rainer Road, (3) Deed of Dedication for Future Spray Field #4, (4) Grant of Sanitary Sewer Easements and Dedication of Facilities for Lots 327 and 343, and (5) Grant of Access Easements for Lot 335. ARRO is in the process of reviewing the documents. ARRO completed its review of the Toll Brothers December 5, 2018, Phase 2 Ewing Tract – West Vincent documents concerning (1) Maintenance Service Agreement for Carriage Home South, (2) Grant of Sanitary Sewer Easements and Dedication of Facilities for Butternut Lane and Rainer Road, (3) Deed of Dedication for Future Spray Field #4, (4) Grant of Sanitary Sewer Easements and Dedication of Facilities for Lots 327 and 343, and (5) Grant of Access Easements for Lot 335. ARRO emailed documents comments to Riley Riper, dated December 21, 2018 and December 31, 2018. Subsequently, ARRO received from Riley Riper a January 9, 2019 email containing documents with recommended adjustments. On February 25, 2019 ARRO received from Taylor Wiseman Taylor (TWT) revised sanitary sewer record drawings for the Ewing Tract – West Vincent Carriage Home North subdivision. ARRO approved the Ewing Tract – West Vincent Carriage Home North subdivision sanitary sewer record drawings on May 14, 2019 and ARRO subsequently received final drawings and electronic files from TWT.

Nothing new to report.

### **Fetter Farm Tract (McKee)**

ARRO received a request from a developer engineer for information on available treatment capacity to serve the Tract and met with the Township Manager and developer engineer on September 18, 2012, to discuss treatment capacity and conveyance to the Route 100 WWTP.

On August 5, 2014 a meeting with held at the Township Building with The McKee Group to discuss the active adult community proposed by the Developer for the property. A subsequent meeting was held at the Township Building on August 14, 2014 with the Township, Developer and Authority Administrator to discuss sewage flows and disposal. ARRO reviewed a Conditional Use Plan for Feters Property prepared for McKee-Milford Associates, LP, dated October 12, 2016. ARRO prepared a review letter to the Township, dated November 8, 2016. The Developer is proposing 375 Housing Units, which will produce 62,675 gallons per day of sanitary sewer flow. The Developer is proposing participation in upgrades to the Route 100 Regional WWTP facility that will trigger the Phase 3 expansion of the WWTP. A review of the capacity within the downstream collection and conveyance system is required to determine the extent of improvements necessary to accept the proposed sewage flow. Preliminary Subdivision/Land Development Plans were submitted to ARRO and are currently under review. The Plans call for 375 mixed Single Family, Twin and Triple units and a Community Center to be built in the subdivision. The subdivision will connect to the Reserve at Eagle by way of Prescott Drive and to the Reserve at Chester Springs by way of Radek Court. The sanitary sewer disposal requirements are calculated to be 62,675 gpd. On-site drip disposal capacity is calculated to be 42,643 gpd, and the off-site sewage disposal requirement is 20,032 gpd. The combination gravity and low pressure sanitary sewer systems will be directed to the Reserve at Eagle Pump Station No. 1 off Prescott Drive. Preliminary Subdivision/Land Development Plans were submitted and reviewed by ARRO. ARRO comments were submitted in an April 10, 2017 letter to the Township. ARRO is in the process of reviewing the June 15, 2017 resubmission of the Preliminary Subdivision/Land Development Application. ARRO reviewed the June 15, 2017 resubmission of the Preliminary Subdivision/Land Development Plan and submitted comments to the plan in a July 10, 2017 letter to the Township. ARRO also reviewed the subdivision's low pressure sewer system design calculations and submitted comments to the design in a July 12, 2017 letter to the Township. ARRO reviewed an August 1, 2017 revision to the low pressure sewer system design calculations and drawings and submitted an August 16, 2017 letter to the Township with comments to the revision materials. ARRO has started an evaluation of the Reserve at Eagle Pump Station No. 1 to ascertain its capability to accept the Fetter Tract design sanitary sewer disposal requirements. ARRO received revised Preliminary Subdivision/Land Development Plans on September 14, 2017. ARRO reviewed the Plans and sent an October 3, 2017 review comments letter to the Township. ARRO continues an evaluation of the Reserve at Eagle Pump Station No. 1 to ascertain its capability to accept the Fetter Tract design sanitary sewer disposal requirements. The evaluation is substantially complete with the exception of emergency generator assessment. ARRO continues an evaluation of Upland Farms drip disposal to ascertain the facility's capability to store and dispose the Fetter Tract effluent. ARRO reviewed the Sewage Facilities Planning Module (SFPM) and is working on the sanitary sewer review. The Authority Administrator signed the SFPM Component 3 Sections G and J. The Board of Supervisors approved the SFPM resolution at the April 16, 2018 meeting. The developer's engineer stated in an April 17 email to the Authority Administrator that the SFMP is close to being submitted to PADEP for review. The Sewage Facilities Planning Module was send to PADEP on April 18, 2018. Ebert Engineering requested Authority assistance in preparation of a response to comments received from PADEP on the Sewage Facilities Planning Module. ARRO is working on a response. ARRO assisted Ebert Engineering in preparation of letter responses to comments received from PADEP to the Sewage Facilities Planning Module. ARRO transmitted its responses to Ebert Engineering on November 1, 2018. ARRO in association with Ebert Engineering prepared a December 13, 2018 letter to PADEP in response to PADEP Sewage Facilities Planning Module comments. ARRO reviewed the Water Quality Management Part II Permit application, dated July 23, 2019 as submitted by Ebert Engineering on July 26, 2019, along with the supporting design reports for the low pressure sewer system and the upgrades to the Reserve at Eagle Pump Station No.1. ARRO sent comments to Ebert Engineering by email dated August 13, 2019. Ebert subsequently revised its

documents based on ARRO comments and resubmitted the documents. ARRO is currently reviewing the revised documents.

ARRO reviewed the latest revised Water Quality Management Part II Permit application package received August 21, 2019 from Ebert Engineering. ARRO has no further comments to Ebert's permit application, only ARRO comments remain to be addressed on E. B. Walsh's land development drawings regarding the lining of low pressure force main discharge manholes.

### **Frame Property (Reserve at Chester Springs)**

The pre-construction meeting for the Reserve at Chester Springs (Frame Property) subdivision was held on August 4, 2016. ARRO reviewed shop drawings of sanitary sewer items. The site work is underway. ARRO has been informed by the contractor that sanitary sewer installation is expected to start at the beginning of October 2016. ARRO was informed by Toll Brothers that the sanitary sewer installation will start on Monday, October 24, 2016. Sanitary sewer installation started in Little Conestoga Road on Monday, October 24, 2016 with the tie-in to a manhole immediately upstream of the Little Conestoga Pump Station. Sewer installation in Little Conestoga Road is complete and is now proceeding within the subdivision. ARRO reviewed Toll Brothers' Reserve at Chester Springs Escrow Release #2 request and prepared a recommendation letter to release \$135,160.56. All sanitary sewer piping is installed and testing is underway. The first house service line is being installed the week of February 13, 2017. ARRO is working with Toll Brothers to obtain an easement within the subdivision for ARRO-designed sanitary sewer to serve three (3) Phase II Collection System properties. ARRO is having survey completed of the easement and for design of sewer for the three properties. The easement survey was completed and the Authority solicitor is preparing a Deed of Dedication for Sewer Easement. ARRO reviewed Toll Brothers' Reserve at Chester Springs Escrow Release #3 request and prepared a recommendation letter to release \$91,727.23. The Authority solicitor prepared a Deed of Dedication for the sewer easement to connect Phase II Collection System properties to the Reserve at Chester Springs. The Deed was transmitted to Toll Brothers for review. ARRO prepared a change order to the contractor, MG Property Management, to install 6-inch sanitary sewer and a manhole within the Reserve at Chester Springs Tot Lot for the future connection of Phase II Collection System properties. All sanitary sewer pipe testing is complete and manhole testing is underway. All sanitary sewer manhole testing is complete. MG Property Management installed the 6-inch sanitary sewer and a manhole within the Reserve at Chester Springs Tot Lot for the future connection of Phase II Collection System properties, but cannot complete its work until the Developer's contractor restores an open utility trench near the work area. ARRO prepared closeout documents for the MG Property Management project. MG Property Management completed its sanitary sewer work within the Tot Lot and will submit closeout documents for the project during the week of August 20, 2017. Installation of the gravity house service line to the last new home (Lot #16) was done on March 26, 2019. On February 11, 2019, ARRO received the sanitary sewer televising video and reports from Toll Brothers' contractor. Ahead of Toll Brothers' paving the subdivision, on April 4, 2019 ARRO checked all sanitary sewer manhole frames and covers and found no damaged units. ARRO inspected all manholes and prepared a punchlist of work items that was sent to Toll Brothers by letter dated May 21, 2019.

Nothing new to report.

### **Greenridge**

On August 1, 2017 a meeting with the Developer was held at the Township to discuss the sanitary sewer options for the redevelopment of the former Upattina School parcel (Open Community Adaptive Reuse Development). ARRO is reviewing a revised Section H of the Sewage Facilities Planning Module submitted by the Developer on August 8, 2017. ARRO reviewed a revised Sewage Facilities Planning Module Section H submitted by the Open



Community Developer. The Sewage Facilities Planning Module (SFPM) now includes the revised Section H, and the Component 4 submissions have been forwarded to Chester County's Planning Commission and Health Department. ARRO conducted a site visit to a property which utilizes an Ecoflow unit similar to that proposed for on-site wastewater pre-treatment at the Open Community project. Chester County Planning Commission and Health Department returned the Open Community Components 4A, 4B and 4C. Component 3 Sections G and J were completed. The Township authorized sending the SFPM package to PADEP for review. The Authority Administrator prepared a March 14, 2018 letter to Warwick Land Development stating the Authority continues to lack sufficient information from Warwick before the Authority could agree to operate the pretreatment facility proposed for the Open Community Adaptive Reuse Development. On behalf of the Open Community Developer, on November 13, 2018 Boucher & James submitted sewer connection plans for review. ARRO is in the process of reviewing the plans and will issue comments in a separate letter. ARRO completed its review of the November 13, 2018 Boucher & James sewer connection plans and issued a November 28, 2018 comments letter to the Township. Subsequently, Boucher & James submitted to ARRO a response email on December 3, 2018 along with revised plans, last dated December 3, 2018. ARRO is reviewing the email responses and the latest revised plans. On February 25, 2019 PADEP released the WQM permit for the Open Community Adaptive Reuse Project. On March 12, 2019 the Township received a sewer permit application from the Developer. ARRO is setting up a pre-construction meeting for the Open Community Adaptive Reuse Project. On April 25, 2019 ARRO conducted a pre-construction meeting for the Open Community project. The Developer will attempt to use the existing lateral connection installed during the original Greenridge sanitary sewer installation work done in 2005. The Developer excavated a test hole at the existing Greenridge subdivision lateral connection. ARRO was informed by the Developer that elevations were taken and submitted to Boucher & James. The lateral will be used. New plans for connection to the existing lateral will be prepared and submitted to the Authority and ARRO for review.

ARRO sent a September 17, 2019 email to the Developer requesting a project update for the sanitary sewer portion of the Open Community Adaptive Reuse Project.

### **Jankowski**

The Preliminary Plan/Conditional Use Application was submitted to the Township and ARRO provided comments on the sanitary sewer system. ARRO met with The Cutler Group on December 10, 2008 to discuss ARRO's Preliminary Plan/Conditional Use Application review comments. The Cutler Group advised that it was able to locate suitable soils to provide sufficient disposal capacity for both its development needs and the Township's required disposal capacity. ARRO reviewed the soils report and issued a letter to the Township agreeing that sufficient capacity appears to exist, although actual capacity will need to be verified through an as-built survey. ARRO provided comments on a draft preliminary subdivision plan addressing the Township Engineer's June 2008 review letter. The Cutler Group subsequently requested an informal review of the revised plans and ARRO provided unofficial comments so that The Cutler Group may further refine the draft preliminary plan in anticipation of its official submission to the Township. ARRO studied the feasibility of connecting the 60 Jankowski homes to the Saybrooke WWTP system. ARRO found that the Saybrooke WWTP does not have the capacity to treat the additional 14,000 gpd and Pump Station No. 2 does not have sufficient capacity. Also, the land parcel does not have sufficient footprint to support an upgrade to the WWTP. ARRO studied expanding the Saybrooke seepage beds and adding drip facilities. ARRO intends to review PADEP records regarding original Saybrooke seepage bed and soil design parameters. On July 22, 2014, ARRO reviewed PADEP records regarding the original Saybrooke seepage bed and soil design parameters, which confirmed ARRO's initial assumptions, and it appears that all effluent can be disposed on the existing lot if four absorption beds and a drip irrigation system are utilized. ARRO is creating an opinion of

probable construction cost for expanding the absorption beds. ARRO has prepared its initial opinion of probable construction cost for expanding the absorption beds. ARRO was in the process of creating an opinion of probable construction cost for the drip irrigation system, but can't obtain final design parameters from PADEP unless onsite soil testing is done to determine soil percolation rates. ARRO issued a May 5, 2017 review letter to the Township with comments to the September 13, 2016 Conditional Use Plan for the Jankowski Tract. On February 2, 2018, the Developer's engineer submitted for review subdivision plans of a 55 Single Family Housing unit community. ARRO is working on a review of the sanitary sewer portion of the subdivision plans. ARRO completed its review of the Preliminary/Final Subdivision-Land Development Plan submitted by E. B. Walsh and prepared a February 26, 2018 letter to the Township with comments to the Plans. ARRO responded to Toll Brothers regarding the Windsor Ridge Pump Station capacity to receive Jankowski estimated sanitary flow. ARRO reviewed the Preliminary/Final Subdivision-Land Development Plan, last revised May 18, 2018, and prepared June 11, 2018 comments to the Township. Sewage Facilities Planning Module Components 4A, 4B and 4C were received. Presently the project is in the 30-day Public Notice periods, which upon completion the Township can submit the components to PADEP. The Authority Administrator sent an August 14, 2018 letter to Chester County Health Department (CCHD) regarding CCHD's Component 4C comment about malfunctions along Surrey Lane, Font Road and Carriage Drive. The Administrator stated the Authority will be evaluating future extensions in these areas. Subsequently, ARRO conducted a small conceptual planning study to sewer these areas. ARRO presented three sewer extension options and cost opinions to the Authority Administrator for review and comment. The first gravity and low pressure sewer concept sends all flow through the Jankowski tract, the second all-gravity sewer concept sends some flow through Jankowski and the remainder to Reserve at Eagle, while the third all gravity sewer concept sends all flow to the Reserve at Eagle. ARRO is reviewing the latest Preliminary/Final Subdivision Land Development Plan transmitted by E.B. Walsh letter, dated August 10, 2018. SFPM Components 4A, 4B and 4C were received, but the bog turtle clearance letter from PA Fish & Wildlife is still outstanding. The UUT Board of Supervisors authorized the resolution needed for the Sewage Facilities Planning Module at their October 15, 2018 meeting but are holding it until the clearance letter is issued. ARRO prepared an August 30, 2018 sanitary sewer review letter to the latest Preliminary/Final Subdivision-Land Development Plan transmitted by E.B. Walsh letter, dated August 10, 2018. On February 4, 2019, ARRO received the preliminary sanitary sewer escrow calculations from Toll Brothers. ARRO reviewed the calculations and returned comments to Toll. Revised calculations were received and after review were accepted by ARRO. ARRO prepared and sent a letter to the Township recommending acceptance of the sanitary escrow in the amount of \$425,955.60. On February 27, 2019 ARRO received from E. B. Walsh updated Preliminary/Final Subdivision Land Development Plans. ARRO reviewed the sanitary sewer portion of the drawings and transmitted comments to E. B. Walsh by letter dated March 11, 2019. On March 18, 2019 ARRO received from E. B. Walsh updated Preliminary/Final Subdivision Land Development Plans. ARRO reviewed the sanitary sewer portion of the drawings and transmitted comments to E. B. Walsh by email dated April 1, 2019. On April 2, 2019 ARRO received from Toll Brothers a revised sanitary sewer escrow calculation based on the latest E. B. Walsh drawings. ARRO prepared an April 2 letter to the Township recommending accepting the revised escrow amount. ARRO received a May 22, 2019 email from Toll Brothers stating Jankowski construction might start in July 2019. A pre-construction meeting for the project has been scheduled for July 24, 2019. ARRO attended the July 24, 2019 pre-construction meeting and the August 21, 2019 PennDOT HOP site meeting. Sanitary sewer installation for the project is set to begin on August 26, 2019 starting offsite in Windsor Ridge's Garrison Drive.

Sanitary sewer installation for the project began on August 26, 2019 starting offsite in Windsor Ridge's Garrison Drive. Garrison Drive sanitary sewer installation is almost complete and the contractor intends to continue its work in the Jankowski site. The boring for the sanitary sewer

casing under Route 100 linking Jankowski and Windsor Ridge will take place sometime in October 2019.

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### **Lakeridge**

ARRO is preparing plans and specifications for construction of a sludge tank exterior to the WWTP Control Building. ARRO conducted an inspection of the Lakeridge WWTP Control Building in order to prepare maintenance and repair items for inclusion in the sludge tank construction contract. ARRO is continuing to prepare the sludge tank and building repairs plans and specifications. ARRO has both the sludge tank plans and specifications and the PADEP Part 2 permit application approximately 80 percent complete. ARRO has completed the sludge tank plans and specifications. The Part 2 permit application is expected to be submitted to PADEP by the end of May 2018. Changes to sludge tank design plans were necessary due to updated Columbia Gas easement information. ARRO submitted the Part 2 permit application to PADEP on July 17, 2018. PADEP sent an August 14, 2018 Water Quality Management permit for the sludge tank project. The bidding phase of the work is now in progress. The Sludge Tank Relocation project was put out to bid on September 4, 2018. A pre-bid meeting for the project is scheduled for September 20, 2018. Bids are due October 18, 2018. ARRO plans to have a bid award recommendation prepared for the October 23, 2018 Authority meeting. Bids for the Sludge Tank Relocation project were received on October 18, 2018 and reviewed by ARRO. ARRO recommended award of the General Contract to Blooming Glen Contractors and the Electrical Contract to Eastern Environmental Contractors. Agreements were delivered to the Township on November 19, 2018 for execution by the Authority at its November Board meeting. ARRO conducted the Sludge Tank Relocation project pre-construction meeting on December 10, 2018. The Sludge Tank project Notice to Proceed was issued on December 17, 2018 for a 180-calendar day construction period. Blooming Glen Contractors submitted its one-call notice for excavation on January 9, 2019. Sludge Tank project shop drawings are being reviewed. The Blooming Glen Contractors project schedule says construction will start in April 2019. The sludge tank project schedule had a setback due to a tank precast fabrication delay. Blooming Glen has submitted a 90-calendar day extension of contract time change order request. Work has begun in the Control Building with the installation of replacement unit heaters. The sludge tank excavation is complete and the tank is scheduled to be delivered July 18, 2019. The date of substantial completion is September 13, 2019. The sludge tank was installed and the general construction and electrical work is commencing. Change orders have been prepared for a 28-calendar day time extension to the general and electrical contracts. The date of substantial completion is now October 11, 2019.

The sludge tank general construction and electrical work is coming to an end. Start-up testing is expected to be done in mid-October to meet the substantial completion date.

### **Marsh Harbour**

Nothing new to report.

### **Reserve at Eagle**

Nothing new to report.

### **Route 100 WWTP**

ARRO conducted a study to search for new disposal sites within and near the Township. Mapping was developed for the study and ARRO conducted a preliminary assessment of a potential stream discharge for the WWTP. ARRO presented its findings regarding potential disposal sites at the December 2016 Board meeting. ARRO has prepared a draft of the Route 100 Regional WWTP disposal fields study for the potential to rerate the fields for additional capacity. ARRO engaged a sub-consultant to review the existing disposal field design records,

the Route 100 WWTP SBR discharge limits and ARRO study findings. ARRO received the sub-consultant's report and is reviewing the findings. ARRO prepared a revised Route 100 Regional WWTP allocated treatment and disposal capacity summary. Based on an ARRO search and mapping study conducted in late 2016 for new disposal sites within and near the Township ARRO is evaluating a parcel on South Chester Springs Road to propose how the land could be subdivided and will be preparing an estimate of disposal capacity that would be available in the subdivided areas. ARRO evaluated a parcel on South Chester Springs Road to propose how the land could be subdivided and prepared an estimate of disposal capacity that would be available in the subdivided areas. ARRO found two potential 18-acre drip field areas on the parcel each with an average estimated capacity of 100,000 gallons per day.

ARRO prepared a draft of the Route 100 Regional WWTP aerated lagoon nutrient removal study for the potential of rerating of the lagoon to obtain an additional 100,000 gallons of capacity. The draft is under internal review prior to submission to the Authority.

ARRO continues updating the Route 100 Regional wastewater system treatment facility manual and the manuals for the other treatment facilities in the Township.

ARRO is working on setting the entire Route 100 Regional WWTP disposal system into a geographical information system (GIS). ARRO has digitized the record drawings from each disposal system and has completed much of the field work gathering data from each spray and drip field and their associated pump stations. ARRO finished data collection of all Route 100 Regional WWTP disposal fields and is currently analyzing the data and integrated it into the sanitary GIS. ARRO finished integrating into sanitary GIS the data collected from all Route 100 Regional WWTP disposal fields and the Route 100 Regional WWTP. ARRO is continuing to work on digitizing features from all the satellite WWTPs.

ARRO compiled costs to repair the damage from the 2018 Route 100 WWTP frozen pipe bursting event. Costs were transmitted to the Authority Administrator on April 30, 2019.

ARRO submitted the Act 537 Planning Grant Application to the Pennsylvania Department of Community and Economic Development on May 23, 2019. ARRO received correspondence from the Pennsylvania Department of Community and Economic Development that they will consider the UUT Act 537 Planning Grant Application at their September 17, 2019 CFA Board meeting.

The CFA posted its September 17, 2019 meeting grant award list and Upper Uwchlan Township was awarded the \$32,610 grant as requested on the Act 537 Planning Grant application.

ARRO prepared a September 5, 2019 letter to PADEP responding to comments contained in PADEP's July 24, 2019 letter regarding the recent increase in nitrate-nitrogen concentrations observed in the Reserve at Waynebrook monitoring well WB-5 as contained in the Route 100 Regional WWTP 3<sup>rd</sup> Annual Groundwater Monitoring Report.

ARRO is reevaluating the Route 100 WWTP sanitary sewer system treatment and disposal capacity summary taking into account Toll's sold capacity for Byers 5C Commercial and the treatment and disposal requirements for Byers 6C sold by Toll to Vantage Point.

ARRO has initiated preliminary layout design for two potential 18-acre drip fields on the South Chester Springs Road parcel (the Bennett property).

### **Route 100 WWTP – Phase III**

ARRO is reviewing the Route 100 Regional WWTP pad-mounted transformer's capacity in planning for the Phase III of the WWTP expansion. On February 12, 2018, ARRO met with a PECO representative at the WWTP to inspect the capacity of the WWTP's existing transformer and review the Phase III project. After ARRO reviewed the transformer data provided by PECO along with additional anticipated Phase III loadings ARRO concluded that the existing



transformer will need to be upgraded. On May 3, 2018 ARRO completed a preliminary cost opinion for the Phase III construction.

Nothing new to report.

### **Saybrooke**

ARRO is working on a plan for the decommissioning of the Saybrooke WWTP.

Nothing new to report.

### **St. Andrews Brae**

Nothing to report.

### **Upland Farms**

ARRO has started preparing contract documents for recommended repairs to the Upland Farms effluent storage tank as contained in the August 2016 tank inspection report. ARRO conducted a site visit with Dutchland to review and discuss proposed tank repairs. ARRO is in the process of generating contract drawings and specifications for the proposed tank repairs. ARRO is completing Effluent Storage Tank Repair bid documents for bidding by the end of October 2018. ARRO completed the Effluent Storage Tank Repair bid documents. The project will be put out to bid the week of November 26, 2018. ARRO placed the Effluent Storage Tank Repair project on PennBid on December 7, 2018. Bids are due January 10, 2019. Effluent Storage Tank Repair project bids were received on January 10, 2019. ARRO made a recommendation to the Authority to award the contract to Quinn Construction. On March 5, 2019 ARRO sent a Notice of Intent to Award to Quinn Construction and now is waiting for the return of contract documents from Quinn. Effluent Storage Tank Repair contract documents were received from Quinn Construction. The project pre-construction meeting was held on April 17, 2019. Effluent storage tank repairs were completed at Windsor Ridge and are underway at Eagle Hunt. Repairs to the Upland Farm tank will be done after work at Eagle Hunt is finished. Effluent storage tank repairs are complete. The Contractor is preparing record as-built drawings for the project. ARRO prepared Change Order No. 1 reconciling the final cost of the Effluent Storage Tank Rehabilitation project to \$161,170.50. The Effluent Storage Tank Repair project is complete and ARRO's recommendation to pay the final application for payment has been sent for the Authority's consideration at the August 2019 meeting.

Nothing new to report.

### **Waynebrook**

The last house service line in the development was tested on October 20, 2015. ARRO received Waynebrook Open Space parcel legal descriptions and drip field record plans for review. ARRO reviewed three Waynebrook Open Space parcel legal descriptions and had no comments to them. ARRO reviewed the drip field record plans and transmitted comments to Cutler. Subsequently, revised drip field record plans were submitted, reviewed and approved by ARRO. ARRO requested Cutler submit Waynebrook record drawings as part of dedication. Drawings were received from Cutler, but they were not record drawings. ARRO informed Cutler again to provide record drawings. ARRO received an October 12, 2016 email from Cutler stating submission of record drawings will be in the near future and asking if all legal descriptions and easements were provided for the project. ARRO will review the email's questions and respond to Cutler. ARRO and Authority counsel have reviewed documentation prepared by Cutler for dedication of the Waynebrook sanitary sewer facilities. ARRO is preparing a letter recommending acceptance of sanitary sewer dedication. ARRO prepared a letter recommending acceptance of the sanitary sewer to be dedicated. ARRO has reminded

Cutler to submit the approved sanitary sewer and disposal fields record drawings in the forms required by the Authority's Specifications.

Nothing new to report.

### **Windsor Ridge**

ARRO has started preparing contract documents for recommended repairs to the Windsor Ridge effluent storage tank as contained in the August 2016 tank inspection report. ARRO conducted a site visit with Dutchland to review and discuss proposed tank repairs. ARRO is in the process of generating contract drawings and specifications for the proposed tank repairs. ARRO is completing Effluent Storage Tank Repair bid documents for bidding by the end of October 2018. ARRO completed the Effluent Storage Tank Repair bid documents. The project will be put out to bid the week of November 26, 2018. ARRO placed the Effluent Storage Tank Repair project on PennBid on December 7, 2018. Bids are due January 10, 2019. Effluent Storage Tank Repair project bids were received on January 10, 2019. ARRO made a recommendation to the Authority to award the contract to Quinn Construction. On March 5, 2019 ARRO sent a Notice of Intent to Award to Quinn Construction and now is waiting for the return of contract documents from Quinn. Effluent Storage Tank Repair contract documents were received from Quinn Construction. The project pre-construction meeting was held on April 17, 2019. Effluent storage tank repairs were completed by May 20, 2019. The Contractor is preparing record as-built drawings for the project. ARRO prepared Change Order No. 1 reconciling the final cost of the Effluent Storage Tank Rehabilitation project to \$161,170.50. The Effluent Storage Tank Repair project is complete and ARRO's recommendation to pay the final application for payment has been sent for the Authority's consideration at the August 2019 meeting.

Nothing new to report.

### **Miscellaneous**

**Eagleview Wastewater Treatment Plant** – Per PADEP, Upper Uwchlan Township is expected to participate in Uwchlan Township's Act 537 planning study for the Eagleview Wastewater Treatment Plant. ARRO provided a Scope of Work and Cost Estimate for the Township's participation in the Act 537 planning study to Uwchlan Township. ARRO is proceeding with the Township's portion of the Act 537 planning study. ARRO completed drafting its portion of the Act 537 Eagleview Special Study and submitted the draft to Uwchlan Township for review and comment. On May 13, 2015 ARRO conducted an audit of the existing Eagleview WWTP. ARRO evaluated the plant capacity and prepared a report of findings in June 2015. ARRO has Gannett Fleming's Act 537 Plan Revision under review with comments forthcoming in September 2016. ARRO completed its review of the Gannett Fleming Act 537 Plan Revision and sent a September 19, 2016 letter to the Township with eight comments to the Plan Revision. PADEP issued a March 17, 2017 letter requesting additional information before reviewing and acting upon the Eagleview Wastewater Treatment Plant Act 537 Plan Update Revision.

Nothing new to report.

**270 – 290 Park Road (The Townes at Chester Springs)** – PADEP issued a May 10, 2017 letter approving the proposed 40 townhouses development that will generate 7,400 gallons of sewage per day to be treated at the Route 100 Regional WWTP. ARRO is reviewing the June 20, 2017 resubmission of Land Development Plans for the project. Toll Brothers will be purchasing the approved plans and will develop and build the project. ARRO reviewed and commented on the draft sanitary sewer escrow spreadsheet submitted by Toll Brothers on June 14, 2017. ARRO reviewed the June 20, 2017 resubmission of Land Development Plans for the project and sent a June 23, 2017 letter to the Township with comments. The project

preconstruction meeting was held on July 27, 2017. ARRO reviewed the contractor's sanitary sewer shop drawings. Sanitary sewer installation is tentatively scheduled to start the first week of October 2017. Sanitary sewer installation started on October 9, 2017. Sanitary sewer installation was completed on November 7, 2017. All sanitary sewer testing was completed on December 18, 2017. On February 14, 2108, Toll Brothers informed ARRO that the house service line installations would begin in the later part of February 2018. House service line installations began on February 28, 2018.

House service line installations are still proceeding.

**Marsh Lea Subdivision** – ARRO reviewed a proposed 27-lot subdivision plan with individual on-lot disposal systems. ARRO prepared a September 13, 2016 review comments letter and transmitted it to the Township. ARRO reviewed the Sewage Facilities Planning Modules and they were sent to Chester County by the Township. Component 4 B was completed by the Planning Commission, but Component 4C hasn't been returned. SFPM Component 4A was completed by the Township. Component 4B was completed by Chester County Planning Commission and Component 4C was completed by Chester County Health Board and both components were sent to the Township. The Township returned all of the SFPM completed information to the Developer's Engineer to prepare the appropriate copies for submission to PADEP. ARRO transmitted comments to the Township regarding the developer's March 8, 2017 Marsh Lea Subdivision Plans. PADEP sent an Administrative Incompleteness Review Letter, dated August 9, 2017 to the Township. ARRO is assisting with responses to the PADEP letter. Evans Mill on its own transmitted a September 5, 2017 letter to PADEP with responses to PADEP's August 9, 2017 Administrative Incompleteness review letter. After review of the September 5, 2017 letter, PADEP sent a September 28, 2017 email to Evans Mill and the Township requesting additional information for the SFPM. Evans Mill transmitted a September 29, 2017 response email back to PADEP. PADEP issued a November 17, 2017 letter approving the 27-lot residential subdivision SFPM. Evans Mill provided a response to PADEP regarding the SFPM in early October 2018. PADEP issued its SFPM approval letter, dated October 31, 2018, for the 27-lot residential subdivision.

Nothing to report.

### **Village of Eagle**

**160/180 Park Road (Gunner Properties)** - ARRO reviewed and commented on the sanitary sewer plans submitted to the Township on June 14, 2017 for the connection of 160/180 Park Road to the Route 100 Regional WWTP sanitary sewer system. ARRO reviewed revised sanitary sewer plans submitted to the Township on August 3, 2017. ARRO sent a letter to the Authority approving the revised plans. ARRO received updated Preliminary/Final Land Development Plans on October 17, 2017 for review. ARRO issued an October 31, 2017 comments letter to the updated Preliminary/Final Land Development Plans, received on October 17, 2017, requesting additional information on proposed bathroom facilities to determine the sanitary sewer capacity that will need to be purchased. ARRO reviewed a request to allow installation of an 8" saddle on the existing 12" sewer main in lieu of 8" x 12" cut-in wye as shown on the Developer's approved design drawings. The request was denied unless further information is supplied supporting the request's feasibility. ARRO reviewed and accepted installation of an 8" saddle on the existing 12" sewer main in lieu of 8" x 12" cut-in wye. A preconstruction meeting for the project was held on January 11, 2018. On February 20, 2018, the Developer's contractor installed an 8" saddle on the existing 12" sewer main in Park Road. The contractor also started installing sewer within the site. ARRO is preparing a letter to the Authority in response to the capacity request from the Developer. ARRO is reviewing the sanitary sewer portion of a conditional use application for additional development at 160/180 Park Road. ARRO completed a review of the sanitary sewer portion of a conditional use application for additional development at 160/180 Park Road and

submitted a May 28, 2019 letter to the Township. ARRO recommends an additional 8.66 EDUs of capacity should be purchased for the proposed use. ARRO prepared a July 23, 2019 comments letter to the Preliminary/Final Plans for Eagle Village Parking Expansion as prepared by DL Howell, dated July 3, 2019. An additional 8.5 EDUs need to be purchased for the proposed use and a SFPM will be required. The Board of Supervisors granted approval of the Plans at their August 19, 2019 meeting.

PADEP sent an August 19, 2019 letter stating no Sewage Facilities Planning Modules are required for expansion of the 160 Park Road parking lot.

**Byers Road Sanitary Sewer Extension** - ARRO preliminary planning for sanitary sewer along Byers Road between Pottstown Pike and Senn Drive was submitted to the Authority Administrator for review and comment. ARRO is preparing the Sewage Facilities Planning Module Component 3M for the sanitary sewer along Byers Road between Pottstown Pike and Senn Drive. ARRO received a completed Component 4A from the Township on October 19, 2017. At the request of the Chester County Health Department, on January 9, 2018, ARRO sent another Sewage Facilities Planning Module Component 3M letter to CCHD for the sanitary sewer extension along Byers Road between Pottstown Pike and Senn Drive. In February 2018 letters were sent to the property owners who will be connected to the new Byers Road sanitary sewer informing them that the project's survey will be commencing. ARRO is continuing to prepare drawings and construction specifications for the sanitary sewer extension. The project's survey work was completed in early March 2018. ARRO has the survey information for inclusion in the plans. ARRO has the design plans and specifications in the final stage of completion. ARRO submitted the highway occupancy permit to PennDOT on April 16, 2018. There were no public comments to the sewage facilities planning module (SFPM) and the Board of Supervisors passed a resolution approving the submission of the SFPM to PADEP. ARRO submitted the Sewage Facilities Planning Module to PADEP on April 27, 2018. Comments from PADEP are expected within sixty (60) days. PennDOT has approved the highway occupancy permit plans and requires payment of \$810 for inspection observation prior to release of the permit. PADEP transmitted its comments to the Sewage Facilities Planning Module by letter dated June 21, 2018. ARRO is in the process of addressing each of the PADEP comments. The PennDOT Highway Occupancy Permit for the project has been received. ARRO submitted an August 6, 2018 letter to PADEP addressing each PADEP comment from its Sewage Facilities Planning Module review letter, dated June 21, 2018. PADEP transmitted a September 5, 2018 letter with additional comments to Sewage Facilities Planning Module. ARRO submitted a response letter addressing each concern on October 17, 2018. PADEP transmitted a November 14, 2018 letter with additional comments to the Sewage Facilities Planning Module. ARRO is reviewing the letter and will address each comment in a future letter. The Authority Administrator sent a December 20, 2018 letter to PADEP containing responses to PADEP's November 14, 2018 comments to the Sewage Facilities Planning Module. ARRO sent an email to PADEP on January 31, 2019 requesting approval of the Byers Road Sanitary Sewer Extension Sewage Facilities Planning Module. As of March 20, 2019 no response has been forthcoming from PADEP. ARRO is proceeding with preparation of finishing plans and specifications for the bidding of the project. Regarding the Byers Road Sanitary Sewer Extension SFPM and the December 20, 2018 letter sent by the Authority to PADEP, PADEP responded with an April 5, 2019 letter to the Township. PADEP said the December letter did not sufficiently address all of PADEP's concerns with sewage disposal needs identification in the project area. PADEP wants the needs identification submitted by September 3, 2019. ARRO prepared letters that were delivered to property owners in the Byers Road sewer area inviting them to the April 23, 2019 Authority meeting to be held at the Pickering Valley Elementary School. ARRO submitted documents to PennDOT to extend the Byers Road HOP to July 10, 2020 and was granted the extension by PennDOT.



ARRO is studying the feasibility of a sewer extension across Route 100 near Byers Road to pick up commercial business on the west side of Route 100. ARRO is proceeding with the design of the sewer extension across Route 100 near Byers Road to pick up commercial business on the west side of Route 100.

Nothing new to report on the Byers Road sanitary sewer extension SFPM.

ARRO has restarted the design of a sewer extension across Route 100 near Byers Road.

**Profound Technologies (125 Little Conestoga Road)** - On November 12, 2018 Profound Technologies submitted a building expansion land development plan. Profound Technologies already paid a Capacity Fee for 222 gallons per day (gpd) for its original building. The expansion project SFPM mailer shows an increase in the sewage flows to 350 gpd. ARRO is reviewing the building expansion land development plan and the proposed sewage flows to be generated from the expansion. ARRO prepared and sent to the Township a December 19, 2018 letter with comments to the building expansion land development plan and the proposed sewage flows to be generated from the expansion. ARRO recommended that 228 gpd (1.01 EDUs) be purchased for the project. ARRO reviewed the March 25, 2019 revision to the Land Development Plans. ARRO prepared an April 8, 2019 letter to the Township with its comments to the sanitary sewer portion of the project.

Nothing new to report.

**Milford Farms** – ARRO had survey completed on Surrey Lane and Carriage Drive, and on portions of Font Road and Milford Road, as preliminary to the sanitary sewer design for residential homes along these roads. Survey indicated Milford Road gravity sewers would be untenable due to existing grades. ARRO completed a preliminary design for gravity sewer within Surrey Lane, Carriage Drive and the portion of Font Road between Surrey and Carriage. A small wastewater pump station will be needed. The pump station is proposed to be located at the intersection of Font Road and Milford Road and its force main would be connected to an existing force main located in Font Road serving three homes on the Milford Road dead-end. ARRO prepared presentation graphics of the proposed sewer for the Authority Administrator. ARRO prepared letters that were delivered to property owners in the Milford Farms sewer area inviting them to the April 23, 2019 Authority meeting to be held at the Pickering Valley Elementary School.

ARRO is proceeding with the preparation of the sanitary sewer design drawings and specifications for project's submission to PADEP.

ARRO is creating Milford Road and Byers Road sanitary sewer informational documents for the Township's website.

**Windsor Baptist Church** – A Preliminary Plan – Land Development Plan was submitted for a 3-story building expansion to the church. ARRO prepared an April 4, 2019 letter to the Township with its comments to the sanitary sewer portion of the project. ARRO reviewed the Land Development Plan Revision No. 1, dated April 18, 2019, and received by ARRO July 1, 2019. ARRO prepared a July 1, 2019 letter to the Township with comments to the sanitary sewer portion of the plan.

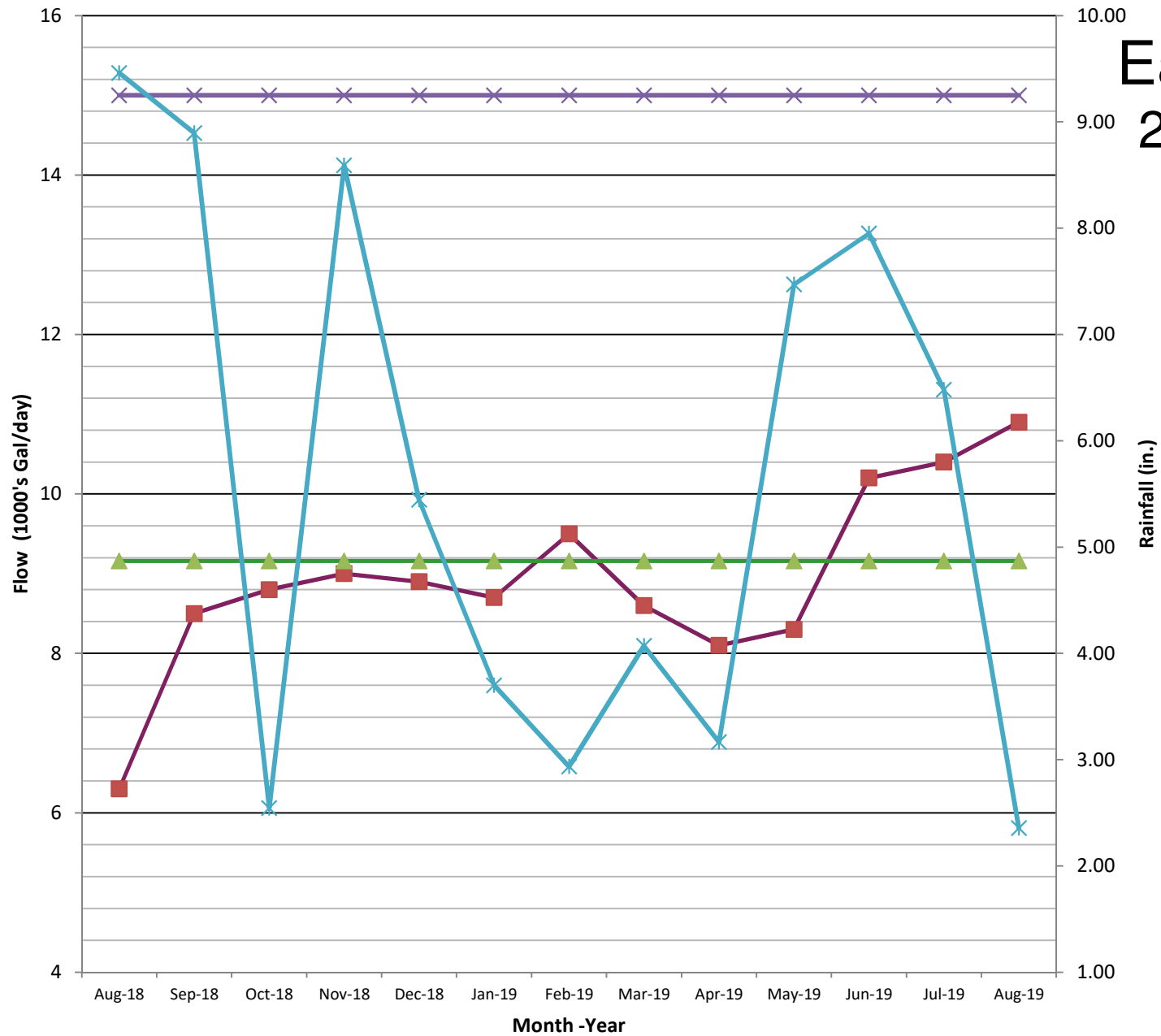
Nothing new to report.

**Township Wastewater Treatment Plant's Monthly Average Flow Charts** – Please see the attached.

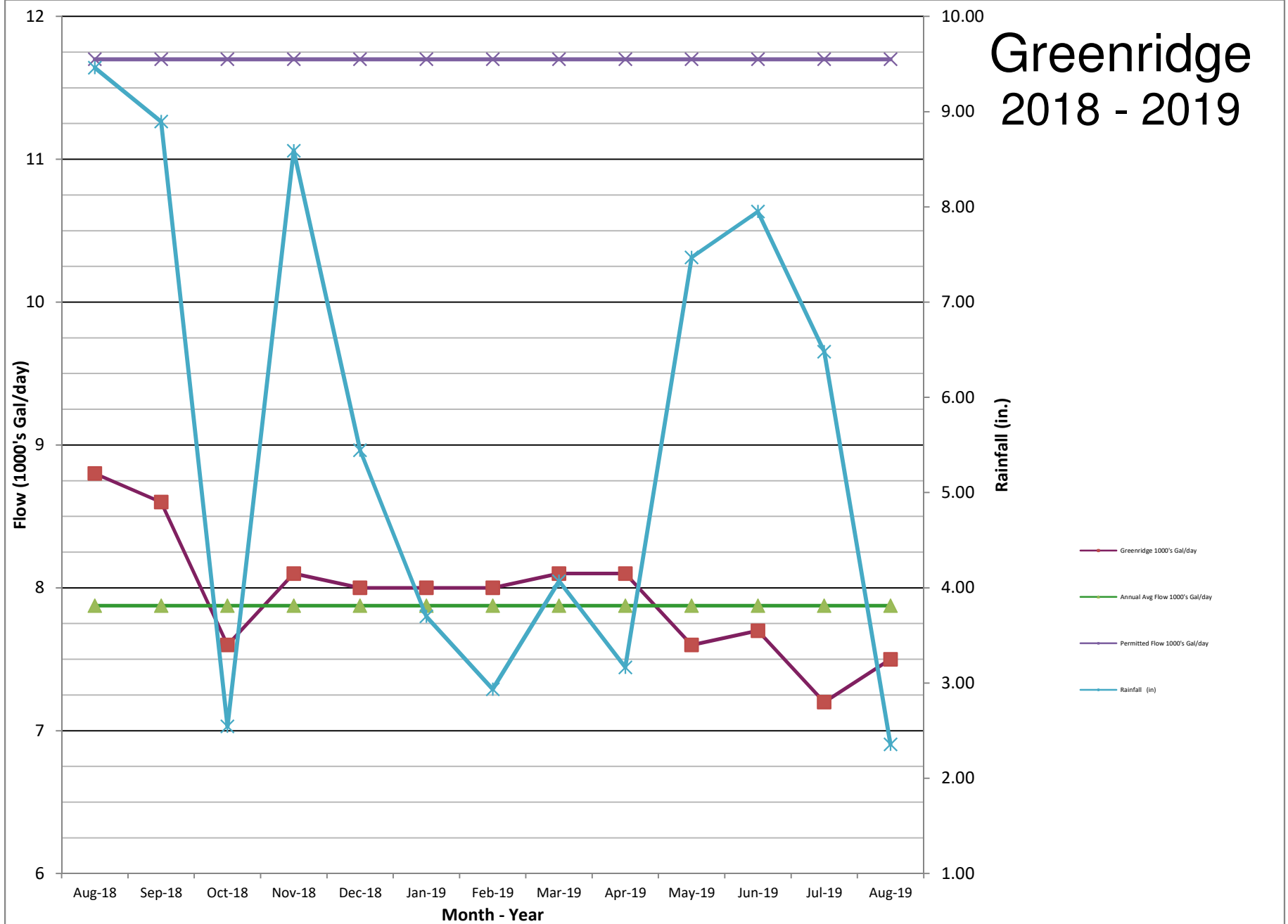
**UPPER UWCHLAN MUNICIPAL AUTHORITY**  
**WASTEWATER TREATMENT PLANTS**  
**MONTHLY AVERAGE DAILY FLOWS**

Month - Year		Average Daily Flow (MGD)							Rainfall (in)
		Eaglepointe	Greenridge	Lakeridge	Marsh Harbour	Route 100	Saybrooke	St. Andrews	
Aug-18		0.00630	0.00880	0.02470	0.04060	0.32210	0.00670	0.00240	9.46
Sep-18		0.00850	0.00860	0.02570	0.04090	0.34200	0.00790	0.00260	8.90
Oct-18		0.00880	0.00760	0.02420	0.03920	0.32610	0.00790	0.00260	2.55
Nov-18		0.00900	0.00810	0.02980	0.04730	0.34890	0.00790	0.00260	8.59
Dec-18		0.00890	0.00800	0.03170	0.04500	0.35840	0.00800	0.00270	5.45
Jan-19		0.00870	0.00800	0.03470	0.04560	0.36600	0.00760	0.00270	3.70
Feb-19		0.00950	0.00800	0.02940	0.04410	0.36780	0.00800	0.00250	2.94
Mar-19		0.00860	0.00810	0.02860	0.04420	0.38600	0.00800	0.00240	4.07
Apr-19		0.00810	0.00810	0.02670	0.04070	0.36500	0.00820	0.00260	3.17
May-19		0.00830	0.00760	0.02820	0.04250	0.35720	0.00820	0.00260	7.47
Jun-19		0.01020	0.00770	0.02310	0.03990	0.34300	0.00750	0.00200	7.95
Jul-19		0.01040	0.00720	0.02330	0.04040	0.34700	0.00790	0.00170	6.48
Aug-19		0.01090	0.00750	0.02250	0.03820	0.32830	0.00800	0.00140	2.36
<b>Annual Avg Flow =</b>		<b>0.00916</b>	<b>0.00788</b>	<b>0.02733</b>	<b>0.04233</b>	<b>0.35298</b>	<b>0.00793</b>	<b>0.00237</b>	
<b>Permitted Flow =</b>		<b>0.01500</b>	<b>0.01170</b>	<b>0.04000</b>	<b>0.07600</b>	<b>0.60000</b>	<b>0.00920</b>	<b>0.00360</b>	

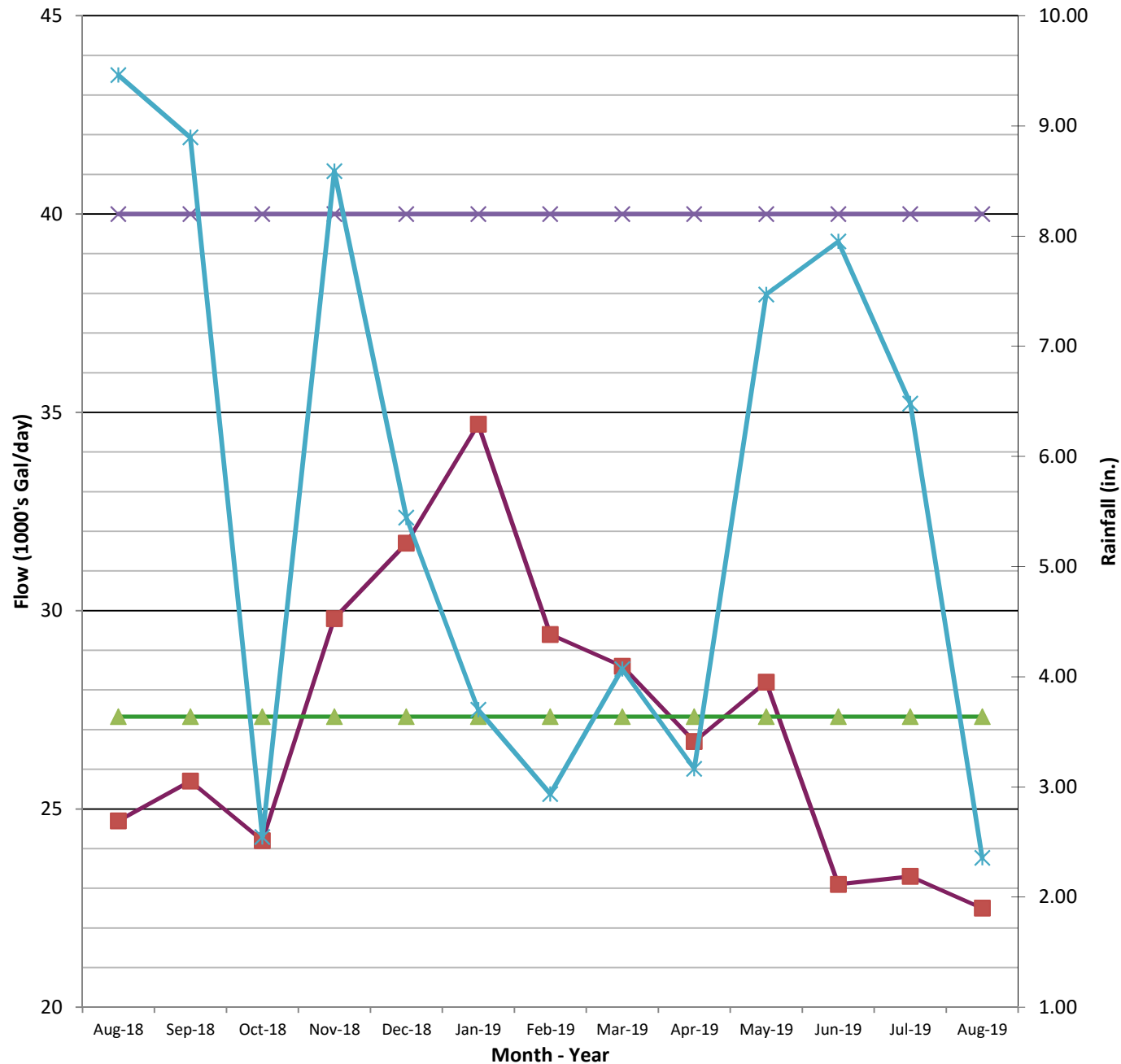
# Eaglepointe 2018 - 2019



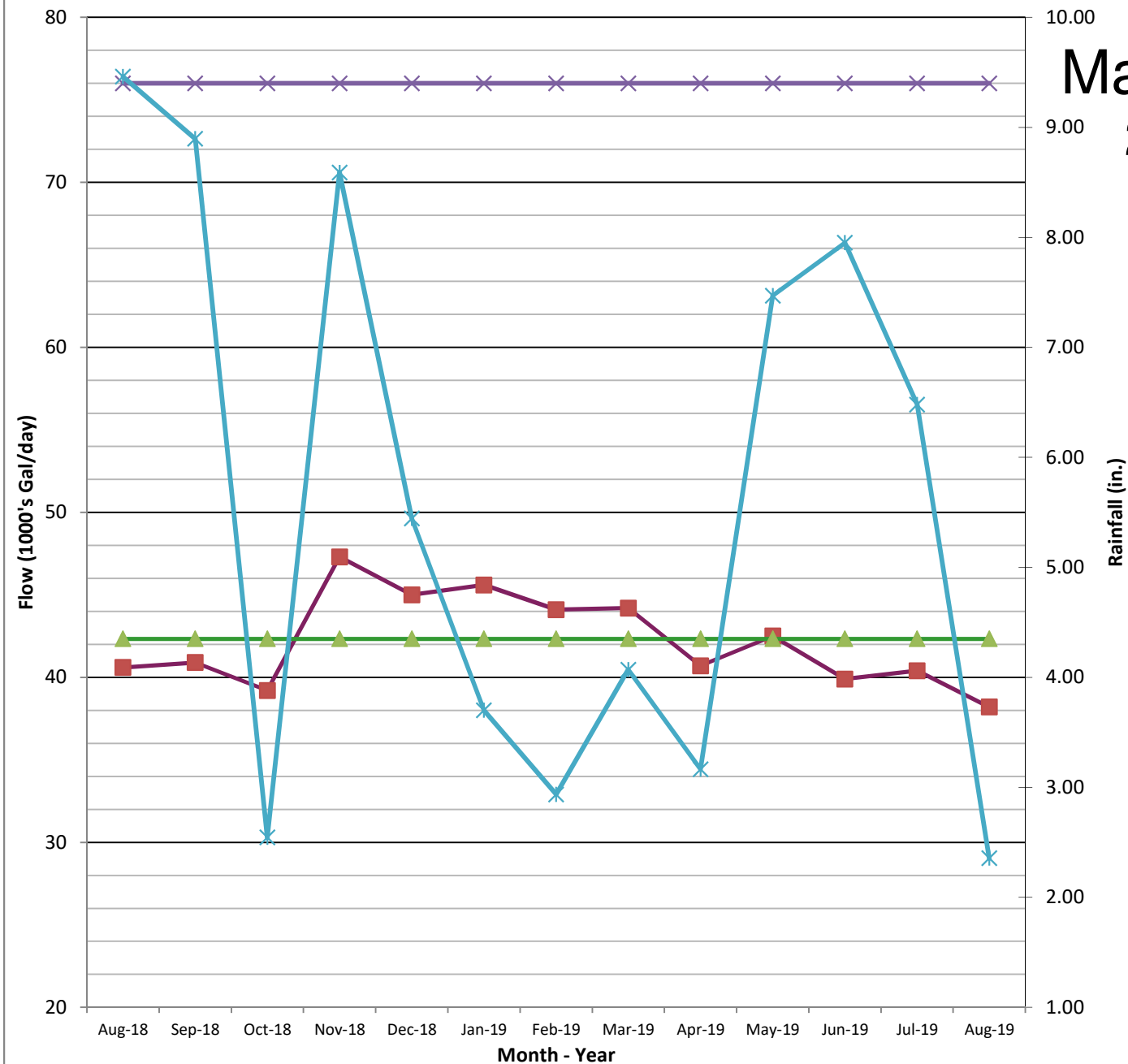
# Greenridge 2018 - 2019



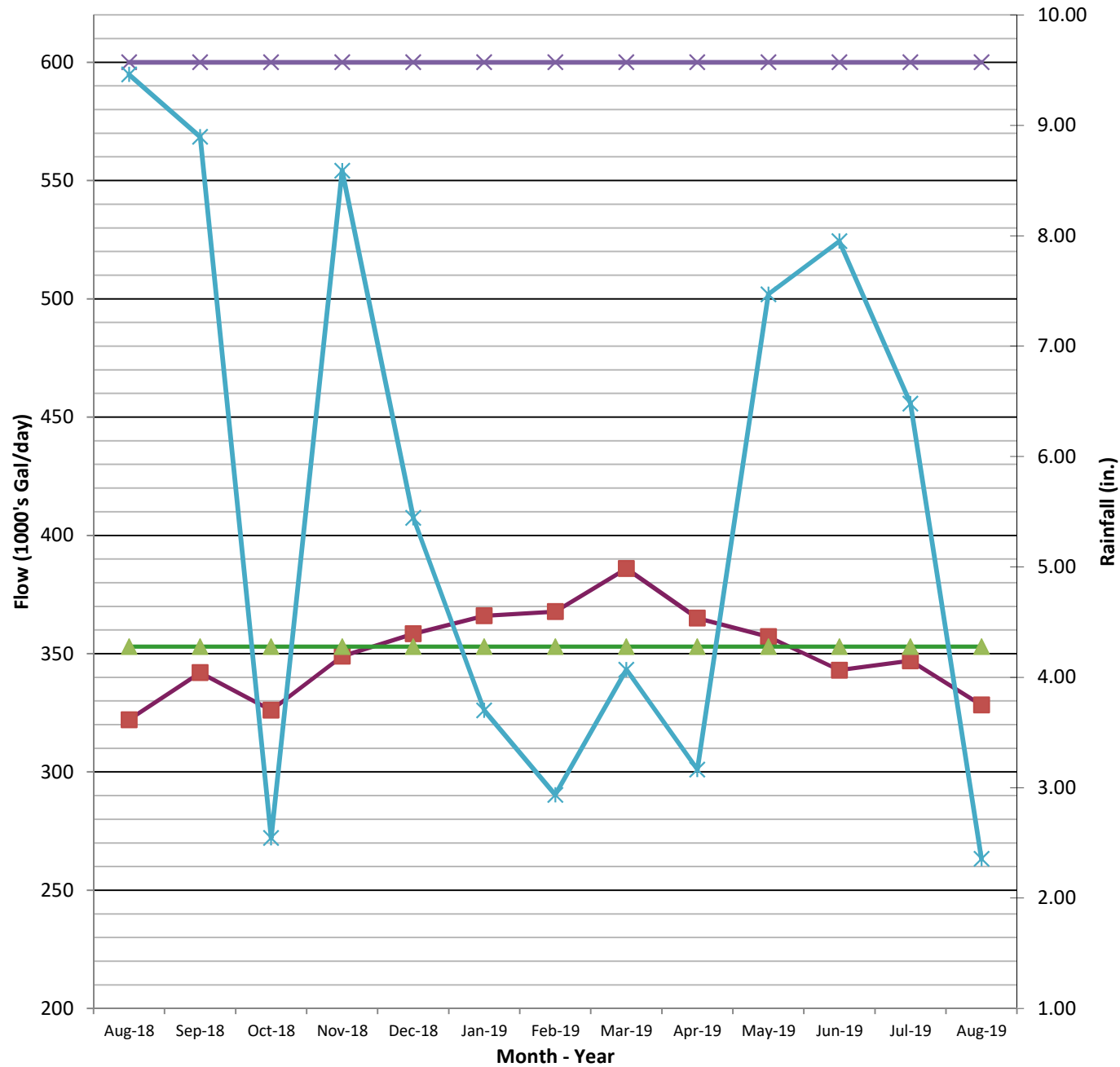
# Lakeridge 2018 - 2019



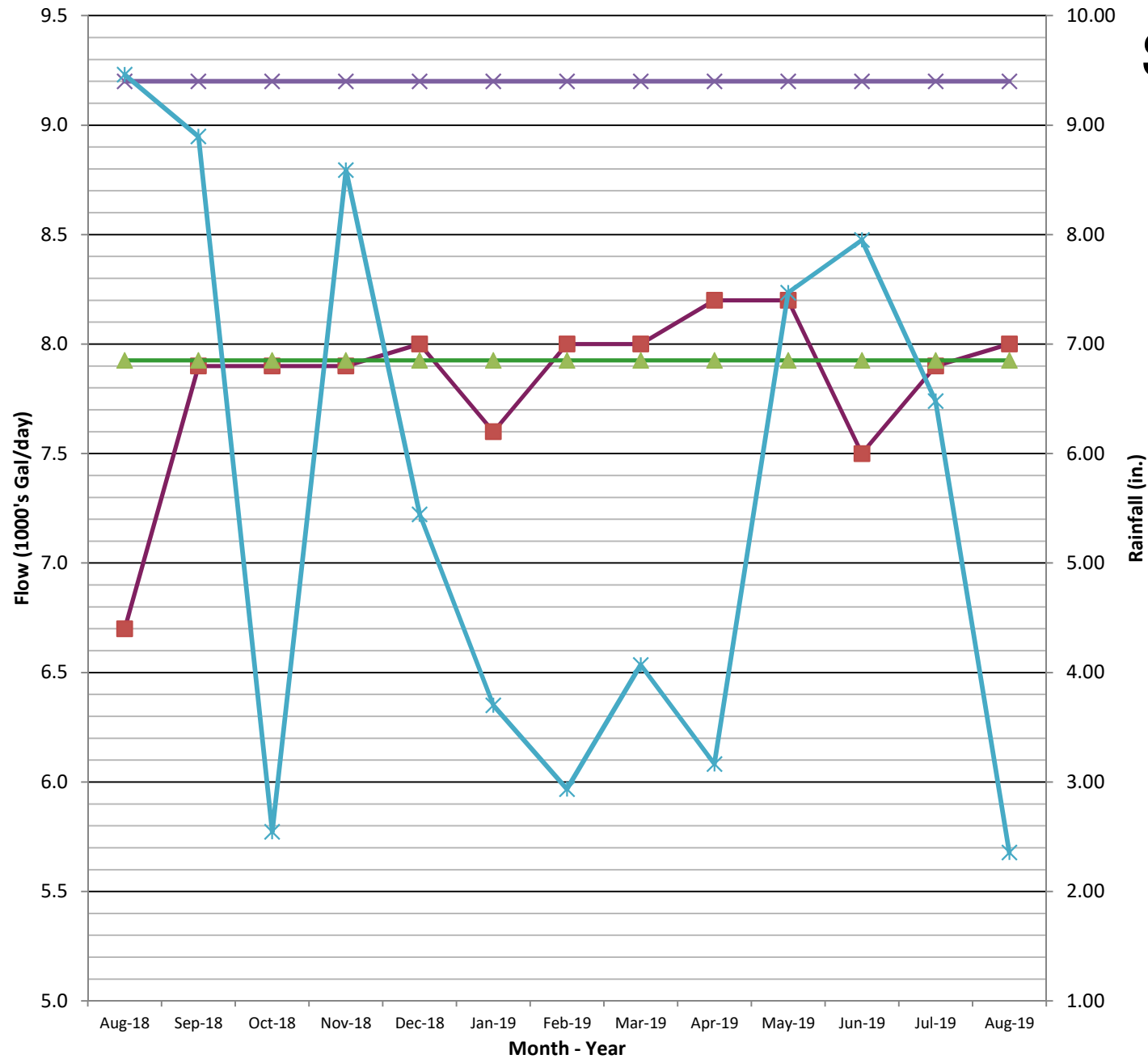
# Marsh Harbour 2018 - 2019



# Route 100 2018 - 2019

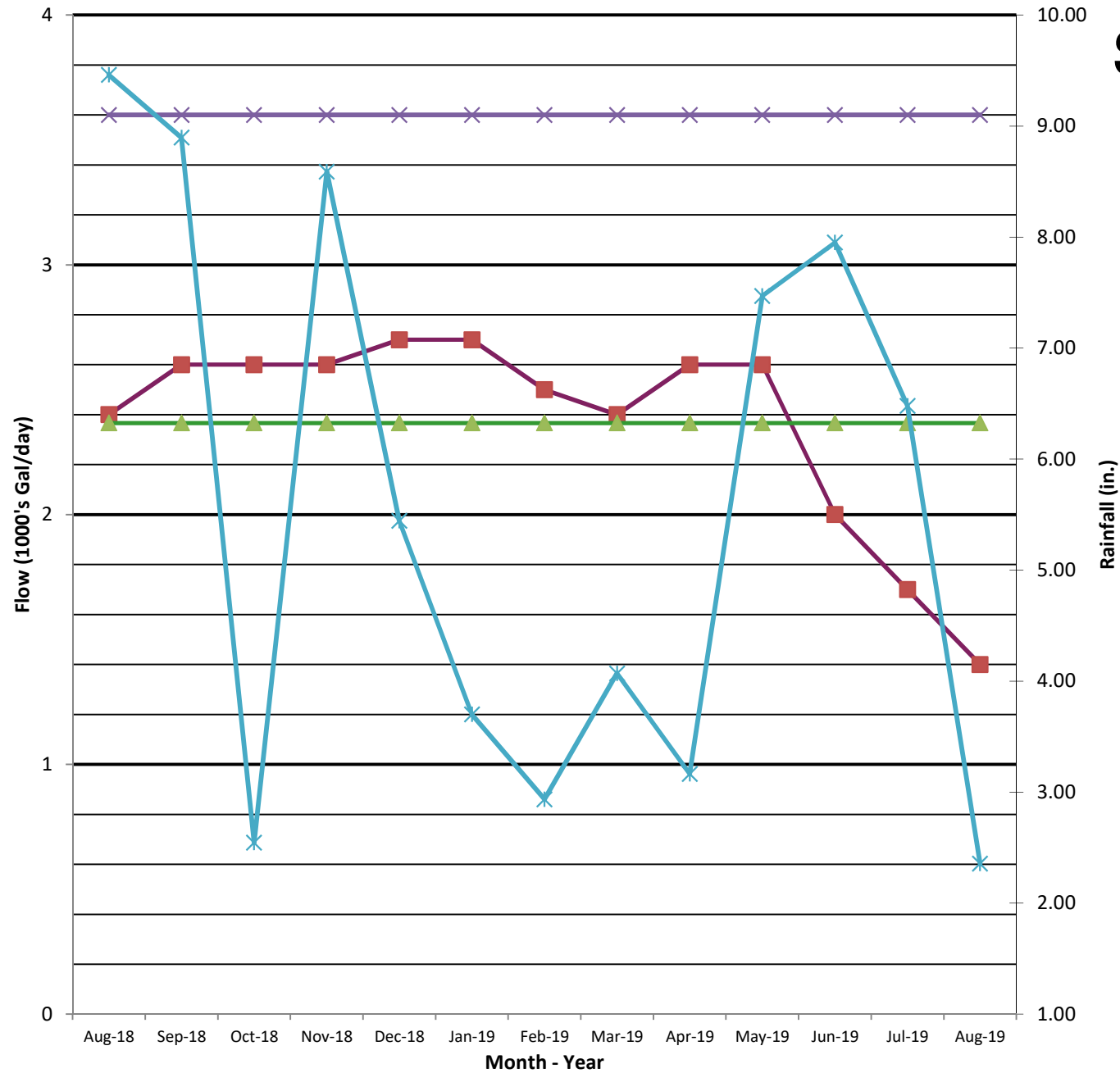


# Saybrooke 2018 - 2019





# St. Andrews 2018 - 2019





To: Municipal Authority Members

From: G. Matthew Brown, P.E., DEE

Re: Authority Administrator's Report

Date: September 19, 2019

Activities for the month include:

- A. Communication with WWTF Operator and Township Staff regarding operational and maintenance issues.
- B. Responded to resident, developer and real estate agent sewer service inquiries and septic tank issues.
- C. Preparation of administrative documents for the Authority meeting packet and for the Authority files.
- D. Communication with residents and PADEP regarding the regarding the sewer extensions proposed for Byers Road.
- E. Communication with ARRO and Contractors regarding the Lakeridge Sludge Holding Tank and the Effluent Holding Tank Repair Projects.
- F. Communication with Counsel for Dilibero main extension to the Eaglepointe WWTF.
- G. Assistance with residents regarding Milford Farms main extension.
- H. Communication with Stonehedge residents regarding solids tank cleaning.
- I. Communication with McKee regarding the PADEP WQM Permit.
- J. Communication with finance staff regarding delinquent accounts, liens and sheriff sale.
- K. Communication with ARRO and DEP regarding proposed Act 537 Plan update.

Please advise if you have any questions or would like further details.



**AUGUST 2019 REPORT  
UUT MUNICIPAL AUTHORITY  
PUBLIC WORKS DEPARTMENT**

The following projects are underway:

**Ongoing:**

- Locks were spot checked at all pump stations. All have been secure.
- New Address signs were installed at the stations.
- Spot checks continue and all visitors are still using the sign-in sheets at all properties.

Brian Owens continues on the properties as follows:

**Complete:**

- Route 100 WWTP
  - 1. General cleanup at this location
  - 2. Sign updated
- Byers Station Effluent PS
  - 1. General cleaning of station
- Byers Station Influent PS
  - 1. General cleaning of station
- Ewing PS
  - 1. General cleaning of station
- Ewing West Vincent PS
  - 1. General cleaning of station
- Ewing Tract Effluent Disposal System
  - 1. No work orders for this location
- Eagle Hunt
  - 1. Cleaning of this location
- Windsor Ridge
  - 1. General cleaning

- **Saybrook WWTP**
  - 1. General cleaning of station
  - 2. 2B stone was added throughout the fenced area at rear of plant.
- **Seabury**
  - 1. There are currently no work orders for this facility.
- **Yarmouth PS1**
  - 1. There are currently no work orders for this facility.
- **Yarmouth PS2**
  - 1. There are currently no work orders for this facility.
- **St Andrews Brae**
  - 1. Installed privacy slats on fencing
  - 2. Removed overgrown foliage.
  - 3. General cleaning of station
- **St Andrews Brae PS (at St Andrews intersection)**
  - 1. There are currently no work orders for this facility.
- **Reserve Lagoon**
  - 1. General cleaning of station
- **Reserve at Eagle PS1**
  - 1. General cleaning
- **Reserve at Eagle PS 2**
  - 1. General cleaning of station
- **Upland Farms PS/ Reserve at Waynebrook**
  - 1. There are currently no work orders for this facility.
  - 2. A backflow preventer was needed after the installation.
- **Greenridge**
  - 1. General cleaning of station
- **Stonehedge**
  - 1. General cleaning of station
- **Marsh Harbour WWTP**
  - 1. Painted Doors
  - 2. Painted safety markings on steps
  - 3. Repairs on walls continue as time allows
  - 4. General cleaning and trash removal

- **Marsh Harbour PS**
  - 1. **There are no work orders for this station**
- **Meadowcreek**
  - 1. **There are currently no work orders for this facility.**
  - 2. **The pipe through the berm is replaced, re-grading still needs done. Still currently waiting on suggestions from ARRO**
- **Eaglepointe**
  - 1. **Trash collection and cleaning**
  - 2. **The rag issue continues here. Jay has been working with Wawa to remedy this recurring problem. The two Brians have been watching the motors as closely as possible so as not to burn up any pumps.**
  - 3. **I noticed a PA 1-call for design came in last week for Wawa**
- **Heron Hill PS**
  - 1. **There are currently no work orders for this facility.**
- **Lakeridge WWTP**
  - 1. **Installing privacy slats in fencing**
  - 2. **Brian Owens met with the contractor completing the earthwork at this location and found a way to improve the area and deter vehicles from driving on fields from Peregrine Way. He presented his findings and costs to Matt Brown.**
  - 3. **General cleaning and trash removal**
  - 4. **Tank project still underway.**
- **Lakeridge Pump Station**
  - 1. **The station has been cleaned and painted.**
- **Eagle Farms Rd PS (WV)**
  - 1. **General cleaning of station**
- **Little Conestoga Rd PS**
  - 1. **There are currently no work orders for this facility.**
- **Eagle Manor PS (Dorothy Ln)**
  - 1. **There are currently no work orders for this facility.**
- **Garrison Dr. (spray field pump station #1)**
  - 1. **There are currently no work orders for this facility.**

- **Garrison Dr. (spray field pump station #2)**
  - 1. **There are currently no work orders for this facility.**
- **Public Works continues to respond to Pa 1-calls. UUT responded to 94 PA 1-Call tickets during the month of August.**

**Respectfully submitted,  
Michael G. Heckman  
Director of Public Works  
Upper Uwchlan Township**



**VIA ELECTRONIC MAIL**

September 18, 2019

Upper Uwchlan Township Municipal Authority  
140 Pottstown Pike  
Chester Springs, PA 19425

**Trappe Office**  
350 West Main Street  
Suite 200  
Trappe, PA 19426  
0 610-495-2103

RE: Upper Uwchlan Township Municipal Authority  
Lakeridge Wastewater Treatment Facilities Sludge Holding Tank Replacement  
Contract LSHT - A - General Construction - Blooming Glen Contractors, Inc.  
Payment Application No. 5  
**ARRO No. 10270.53**

Dear Gentlemen:

Please find enclosed a copy of Lakeside Sludge Tank Replacement for Payment Application No. 5 in the amount of \$168,115.03 submitted by Blooming Glen Contractors, Inc. for work completed through September 12, 2019. This application includes partial payments work associated with mechanical work at the tank and in the yard.

We recommend that the Authority approve payment to Blooming Glen Contractors, Inc. in the amount of \$168,115.03, which represents the value of the work completed less five percent (5%) retainage in accordance with the terms of the Agreement and less previous payments.

If you have any questions, please feel free to contact me at [glenn.holinka@arroconsulting.com](mailto:glenn.holinka@arroconsulting.com) or by telephone at 484.294.4351.

Sincerely,

Glenn N. Holinka, P.E.

Project Engineer

GNH  
Enclosure

C: Gwen Jonik - Upper Uwchlan Township (via email)  
Jill Bukata - Upper Uwchlan Township (via email)  
Sandy Diffendal - Upper Uwchlan Township (via email)  
Kyle Taylor - Blooming Glen Contractors, Inc. (via email)  
G. Matthew Brown, P.E., DEE - ARRO (via email)  
Glenn N. Holinka P.E. - ARRO (via email)



# APPLICATION FOR PAYMENT NO.5

TO (OWNER): Upper Uwchlan Township PROJECT NO.: LHST-A PERIOD TO: 09/12/19

FROM (CONTRACTOR): Bloomington Glen Contractors, Inc.-Water & Wastewater Services Division CONTRACT DATE: 12/17/18

CONTRACT FOR: Site Work-Lakeridge Sludge Holding Tank

PAGE 1 OF 1

CHANGE ORDER SUMMARY		ADDITIONS	DELETIONS
Change Orders approved in previous months by Owner			
TOTAL			-\$1,491.68
Approved this Month			
Number	Date Approved		
COR002	05/28/19 Time Extension		
TOTALS			
Net change by Change Orders			-\$1,491.68

1. ORIGINAL CONTRACT SUM	\$ 520,500.00
2. Net change by Change Orders	\$ (\$1,491.68)
3. CONTRACT SUM TO DATE (Line 1±2)	\$ 519,008.32
4. TOTAL COMPLETED TO DATE (Columns B+C on Page 2)	\$ 350,330.65
5. RETAINAGE: 5 % of Completed Work	\$ 25,950.68
6. TOTAL EARNED LESS RETAINAGE (Line 4 less Line 5)	\$ 332,819.97
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Application)	\$ 164,701.94
8. CURRENT AMOUNT DUE	\$ 168,119.03
9. BALANCE TO FINISH, PLUS RETAINAGE (Line 3 less Line 6)	\$ 186,191.35

## CONTRACTOR'S CERTIFICATION:

The undersigned Contractor certifies that (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied to discharge in full all obligations of Contractor incurred in connection with Work covered by prior Applications for Payment numbered 1 through \_\_\_ inclusive and that such payments have been made in compliance with the Pennsylvania Prompt Pay Act, Act 142 of 1994; (2) title to all materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment, free and clear of all liens, claims, security interests and encumbrances (except such as covered by Bond acceptable to Owner indemnifying Owner against any such lien, claim, security interest, or encumbrance); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective, as that term is defined in the Contract Documents.

Dated 09/17/19 2019

Bloomington Glen Contractors, Inc.-Water & Wastewater Services Division  
CONTRACTOR

By Carly Henry (Signature)  
Carly Henry, President/Asst. Sect.

Payment of the above CURRENT AMOUNT DUE is recommended.

Dated 12/17/19 2019

ARRO CONSULTING, INC.  
ENGINEER

By [Signature] (Authorized Signature)

COMMONWEALTH of PENNSYLVANIA  
NOTARIAL SEAL  
JENNIFER S. KRAIZ, Notary Public  
Scripps Twp, Montgomery County  
My Commission Expires July 25, 2020

# APPLICATION FOR PAYMENT NO.5

CONTRACT FOR: Site Work-Lakeridge Sludge Holding Tank

PERIOD TO: 09/14/19

Project# LHST-A

PAGE2 OF \_

Item No.	DESCRIPTION OF WORK	CONTRACTOR's Schedule of Values - A				WORK COMPLETED			
		Unit	Unit Price	Quantity	Ext. Price	Previous Applic - B		This Period - C	
						Quantity	Amount	Quantity	Amount
1	Bonds & Insurance	LS	\$11,895.00	1	\$11,895.00	1	\$11,895.00		
2	Mobilization	LS	\$2,900.00	1	\$2,900.00	1	\$2,899.10	0	\$0.00
3	Demobilization	LS	\$1,555.00	1	\$1,555.00				
4	As-Builts & Close-Out	LS	\$1,166.00	1	\$1,166.00				
5	Excavate & Shore For Precast	LS	\$57,570.00	1	\$57,570.00	1	\$57,570.00		
6	Backfill Vault, Remove Shoring	LS	\$18,386.00	1	\$18,386.00	0.75	\$13,789.50	0.15	\$2,751.90
7	Backfill Sludge Pit & New Floor	LS	\$8,968.00	1	\$8,968.00				
8	Furnish & Set Precast Tank	LS	\$80,088.00	1	\$80,088.00	0.65	\$52,057.20	0.35	\$28,030.80
9	Pour in Place Vault Concrete	LS	\$7,851.00	1	\$7,851.00			0.85	\$6,671.35
10	F&I Hatches	LS	\$11,107.00	1	\$11,107.00	0.8	\$8,885.60	0.1	\$1,110.10
11	Mechanical Work, Sludge Tank	LS	\$120,524.00	1	\$120,524.00			0.7	\$84,360.80
12	Mechanical Work, Odor Control	LS	\$35,671.00	1	\$35,671.00			0.75	\$26,751.25
13	Replace Blower	LS	\$13,879.00	1	\$13,879.00	0.5	\$6,939.50	0.25	
14	Replace Unit Heaters	LS	\$12,900.00	1	\$12,900.00	1	\$12,900.00		
15	Demolition of Sludge Pit	LS	\$23,518.00	1	\$23,518.00				\$3,615
16	Yard Piping to New Vault	LS	\$17,569.00	1	\$17,569.00	0.5	\$8,784.50	0.25	\$4,394.25
17	Yard Piping Connections	LS	\$14,813.00	1	\$14,813.00	0.25	\$3,703.25	0	\$1.00
18	Temp & Perm Fence Work	LS	\$14,820.00	1	\$14,820.00				
19	Electrical Trench Work	LS	\$10,863.00	1	\$10,863.00			0.9	\$9,771.70
20	Bollards	LS	\$2,739.00	1	\$2,739.00				
21	Grass Restoration	LS	\$4,922.00	1	\$4,922.00				
22	Asphalt	LS	\$25,479.00	1	\$25,479.00				
23	E&S	LS	\$7,157.00	1	\$7,157.00	0.5	\$3,578.50		
24	Unclassified Excavation	CY	\$94.00	10	\$940.00				
25	2A Backfill	CY	\$56.00	10	\$560.00				
26	Misc Concrete	CY	\$434.00	5	\$2,170.00				
27	Rock Removal	CY	\$299.00	10	\$2,990.00				
28	Permits & Inspections	LS	\$7,500.00	1	\$7,500.00				
Totals					\$520,500.00		\$183,002.15		\$167,331.50
CO No.	CHANGE ORDERS								
1	Adjust Location of Sludge Tank	LS	-1491.68	1	-1491.68				
2	Time Extension 05/21/19	LS	0		0				
Totals			-1491.68		-1491.68				

## VIA ELECTRONIC MAIL

September 18, 2019

Upper Uwchlan Township Municipal Authority  
140 Pottstown Pike  
Chester Springs, PA 19425

**Trappe Office**  
350 West Main Street  
Suite 200  
Trappe, PA 19426  
O 610-495-2103

RE: Upper Uwchlan Township Municipal Authority  
Lakeridge Wastewater Treatment Facilities Sludge Holding Tank Replacement  
Contract LSHT - B - Electrical Construction - Eastern Environmental Contractors, Inc.  
Payment Application No. 2  
ARRO No. 10270.53

Dear Gentlemen:

Please find enclosed a copy of Lakeside Sludge Tank Replacement for Payment Application No. 2 in the amount of \$9,418.41 submitted by Eastern Environmental Contractors, Inc. for work completed through August 31, 2019. This application includes partial payments work associated with the installation of conduits, wiring, and duct banks.

We recommend that the Authority approve payment to Eastern Environmental Contractors, Inc. in the amount of \$9,418.41, which represents the value of the work completed less ten percent (10%) retainage in accordance with the terms of the Agreement and less previous payments.

If you have any questions, please feel free to contact me at [glenn.holinka@arroconsulting.com](mailto:glenn.holinka@arroconsulting.com) or by telephone at 484.294.4351.

Sincerely,

  
Glenn N. Holinka, P.E.  
Project Engineer

NH  
Enclosure

C: Gwen Jonik - Upper Uwchlan Township (via email)  
Jill Bukata - Upper Uwchlan Township (via email)  
Sandy Diffendal - Upper Uwchlan Township (via email)  
Kyle Taylor - Blooming Glen Contractors, Inc. (via email)  
G. Matthew Brown, P.E., DEE -ARRO (via email)  
Glenn N Holinka P.E. -ARRO (via email)

# APPLICATION FOR PAYMENT NO. Two

TO (OWNER): Upper Uwchlan Township Municipal Authority  
140 Pottstown Pike, Chester Springs, PA

PROJECT NO.: 10270.53

PERIOD TO: 7/1/19 to 8/31/19

FROM (CONTRACTOR): Eastern Environmental Contractors, Inc.  
6304 5th Street, PO Box 278 Green Lane, PA 18054

CONTRACT DATE: 12/27/18

CONTRACT FOR: Upper Uwchlan Township, Lakeridge Wastewater Treatment Facilities Sludge Holding Tank Replacement

PAGE 1 OF 2

CHANGE ORDER SUMMARY		ADDITIONS	DELETIONS
Change Orders approved in previous months by Owner			
TOTAL		\$1,491.68	
Approved this Month			
Number	Date Approved		
3	5/28/2019	3658.33	
2	5/28/2019		
TOTALS		\$3,658.33	
Net change by Change Orders		\$5,150.01	

1. ORIGINAL CONTRACT SUM	\$ 59,350.00
2. Net change by Change Orders	\$ 5,150.01
3. CONTRACT SUM TO DATE (Line 1±2)	\$ 64,500.01
4. TOTAL COMPLETED TO DATE (Columns B+C on Page 2)	\$ 17,806.60
5. RETAINAGE: 10% of Completed Work	\$ 1,780.66
6. TOTAL EARNED LESS RETAINAGE (Line 4 less Line 5)	\$ 16,025.94
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Application)	\$ 6,607.53
8. CURRENT AMOUNT DUE	\$ 9,418.41
9. BALANCE TO FINISH, PLUS RETAINAGE (Line 3 less Line 6)	\$ 48,474.07

## CONTRACTOR'S CERTIFICATION:

The undersigned Contractor certifies that (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied to discharge in full all obligations of Contractor incurred in connection with Work covered by prior Applications for Payment numbered 1 through \_\_\_ inclusive and that such payments have been made in compliance with the Pennsylvania Prompt Pay Act, Act 142 of 1994; (2) title to all materials and equipment incorporated in said Work or otherwise stored in or covered by this Application for Payment will pass to Owner at time of payment, free and clear of all liens, claims, security interests and encumbrances (except such as covered by Bond acceptable to Owner indemnifying Owner against any such lien, claim, security interest, or encumbrance); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective, as that term is defined in the Contract Documents.

Dated 30-Aug, 2019

Eastern Environmental Contractors, Inc.

By

*[Signature]*  
CONTRACTOR  
(Authorized Signature)

Payment of the above CURRENT AMOUNT DUE is recommended.

Dated

*[Signature]* 10/1/19  
CONSULTING, INC.

*[Signature]*  
0

(Authorized Signature)

1:1 Jobspecs\Forms\PmlAppLS.XLS (LS)

# APPLICATION FOR PAYMENT NO. Two

CONTRACT FOR: Upper Uwchlan Township, Lakeridge Wastewater Treatment Facilities Sludge Holding Tank Replacement

PERIOD TO: 7/1/19 to 8/31/19

Project# 10270.53

PAGE2 OF 2

Item No.	DESCRIPTION OF WORK	CONTRACTOR's Schedule of Values - A				WORK COMPLETED			
		Unit	Unit Price	Quantity	Ext. Price	Previous Applic - B		This Period - C	
						Quantity	Amount	Quantity	Amount
1	Mobilization	lump	\$ 2,967.00	1	\$ 2,967.00	0.2	\$ 593.40		\$ -
2	Demolition	lump	\$ 3,550.00	1	\$ 3,550.00	0.2	\$ 710.00		\$ -
3	Install Electrical Equipment	lump	\$ 15,800.00	1	\$ 15,800.00	0.25	\$3,950.00		\$ -
4	Install Buried Conduit	lump	\$ 6,000.00	1	\$ 6,000.00	0	\$ -	0.7	\$ 4,200.00
5	Install Conduit & Wire	lump	\$ 20,883.00	1	\$ 20,883.00	0.1	\$2,088.30	0.3	\$ 6,264.90
6	As-builts & Closeout	lump	\$ 2,650.00	1	\$ 2,650.00	0	\$ -		
7	Permit Allowance	lump	\$ 7,500.00	1	\$ 7,500.00	0	\$ -		
Totals					\$59,350.00		\$7,341.70		\$10,464.90
CO No.	CHANGE ORDERS								
1	Tank Location Adjustment	Lump	\$ 1,491.68	1	\$ 1,492.68				
2	No cost time extension		0		0				
3	New feed for heater circuits	Lump	\$3,658.33	1	\$ 3,658.33				
Totals					\$ 5,151.01				